L+L
interior
series
by ledtolight

L+L
by ledtolight
France

2018/2019

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USA & AMERICAS - Florida Office
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CHINA & NORTH EAST ASIA - Beijing Office
QATAR & MIDDLE EAST - Doha Office

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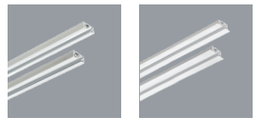
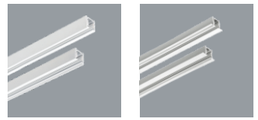
HT P. 027		1-Circuit	surface-mount flush-mount	027 029
HT4 P. 033		3-Circuit	surface-mount flush-mount	033 035

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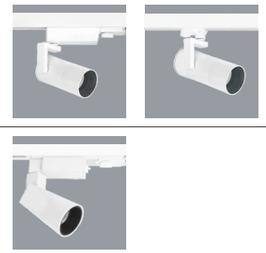
SA-2800 P. 041		for smaller spaces integrated heat sink optical accessories	355° horizontally rotatable 180° vertically tiltable	041 045
SA-8700 P. 047		optical accessories	systematic dimmable systematic + individual dimmable systematic dimmable + integrated built-in driver	047 049 057
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DA DG DW DL

DA-933R DG-933R P. 089				DA: fixed accent DG: general lighting IP44	089
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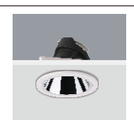
DW-891 P. 168		optical accessories darklight reflector	downlight housing MD-C001 MD-D001 MD-E001 MR-16	168
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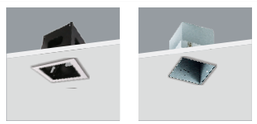
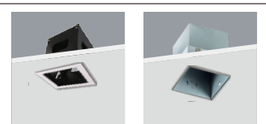
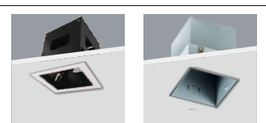
DL-771B P. 177		optical accessories	box downlight housing 1 / 1x2 1x3 / 2x2 recessed compatible with MR16 bulbs or TONS replacements	frame 177 trimless 183
DL-751B P. 185		optical accessories	box downlight housing 1 / 1x2 1x3 / 2x2 recessed compatible with CDM-TC bulbs or TONS replacements	frame 185 trimless 191
DL-721B P. 193		optical accessories	box downlight housing 1 / 1x2 1x3 / 2x2 recessed compatible with CDM-T bulbs, AR111 or TONS replacements	frame 193 trimless 199
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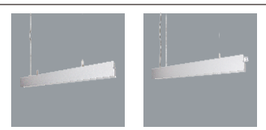
PG-E506 P. 227		office lighting		227

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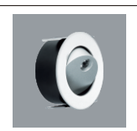
DA-E11R P. 241		bedside reading lamp	241
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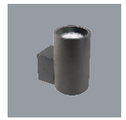
OBA-113R P. 325	 	up/down pillar light IP65	325
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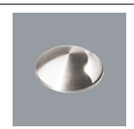
ODL-003A P. 349	 	fixed direct / side glowing IP67 IK10	349
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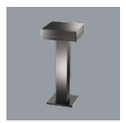
GA-206A P. 399	 	garden light IP65	399
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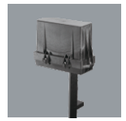
OTBK-TRH5 P. 403		IP67	403

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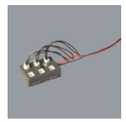
Accessories P. 412		terminal plug & adapters		412

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Ledtolight

Ledtolight was founded in 2002 in Paris, France as a specialist boutique manufacturer specialized in Led technology. Since Its beginnings Ledtolight has been exporter throughout Europe, the Americas, the Middle East and Asia. With its main factories based in Charente and in Florida, Ledtolight has consistently been a solution-oriented company able to push back the limits of the solid-state lighting applied to architecture, being involved with most ground-breaking projects of the 2000's around the world.



L+L

From 2015, Ledtolight has created LTL, a branch dedicated to provide every day lighting solutions to high-end commercial applications such as offices, hotels, department stores, museums … interfacing with contractors, interior designers and architects to provide state of the art, reliable products fitting each of their need.





DesignThinking:Surrounding-Oriented

Core Technology

Our experienced R & D team has knowledges in optics, light source, mechanics, thermo-dynamics and electronics field. L+L integrates such essential aspects into our original design for sustainable development, energy saving, and environmental protection for Society.We applied our own design for patents and won several design awards in Germany, Italy, Taiwanand China, L+L becomes one of the reputed brands in worldwide lighting industry



Optics

Visual Comfort and quality of lighting performance is relied on optics. Good quality of lighting can create spiritual atmosphere to architectures, increase mechanizes and add historic sense to art heritage.



L+L reflectors aremade of 99% aluminum sheet; or anodized PC with high luminous efficiency. All of them are proprietary designed with accurate beam angles for designer in different lighting applications.



Lenses are made of optical material in high quality. Unique lens is matched with appropriate light source to obtain a high luminous efficiency up to 85%; or produce special light patterns like as elliptical, wall washing or mellow lighting effect.



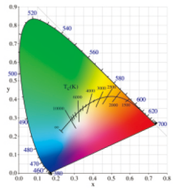
Diffusers are made of patented optical material in advance technology which can provide luminous efficiency up to 90% with an even light distribution.

Consistency of LED Color Control

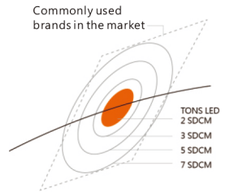
L+L strictly select and utilize LED chips within standard of SDCM ≤2 STEP; therefore the consistency of light color and quality in a space can be maintained.



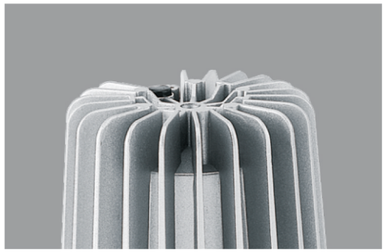
CIE1931 Chromaticity



Commonly used brands in the market







Thermal Management

Lifespan of LED chips is closely depended on the heat dissipation. Thus L+L professional thermal-management team has developed and patented new designs of heatsink for luminaires, it guarantees heat dissipated and delivered promptly from luminaires. Such that the operation temperature will be kept below thesuppliers' recommendation and the long lifespan of LED will be maintained.



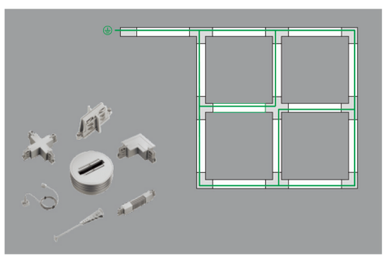
Efficiency

Under same power consumption condition, L+L luminaire with higher efficiency made a space brighter It is a better choice for energy saving.



Visual Comfort

Visual comfort is depended on how we can control the level of dazzle. L+L luminaires are assembled with darklight reflectors; proprietary reflectors with 30° cut-off angle, or optical accessories for anti-dazzle. We aimed to provide comfortable lighting environment for users.



Full Range of Accessories

L+L provides a complete range of accessories to satisfy various lighting application needs.

Craftsmanship

L+L continues to establish an automatic production plant with international-recognized manufacturing process;including an ISO Class 8 clean room (Class 100,000), automatic painting plant, Auto Laser Cutting, SMT Machine and etc. L+L manufactures high quality products through precise modern process and advance machines; but work details are created by craftsman.



Laser Cutting Machine

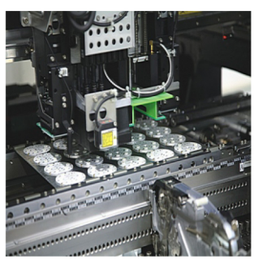

Folding Machine


Guillotine Shearing Machine


Punching Machine


Reflow Soldering Oven


Automatic Lathes


SMT Machine


Pneumatic Punching Machine


Automatic Spraying System

RoHS Examination

L+L set up necessary testing instruments and process to monitor hazardous ingredients (such as Pb, Hg, Cd, Cr6+ and etc.) in fixtures as accorded to requirements of RoHS.
L+L has a mission to provide safe products to customers; and support "Eco-friendly".

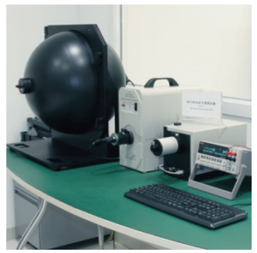


Performance Examination

The Laboratory is our valuable asset including lots of specific instruments for testing in Optics, Safety, EMC, Hot-wire, IP proof, RoHS and etc. We strive to keep our products' quality within international standard.These testing data help to design L+L products with excellent performances.


Water-proof testing


Heat, fire & tracking resistance testing


LED testing (OL770)


Constant temperature & humidity testing

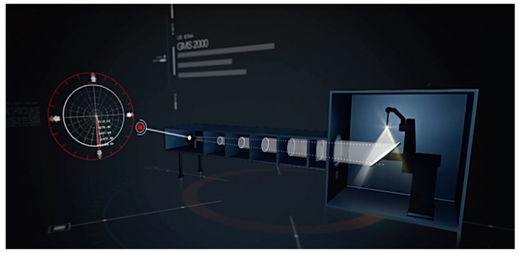

Thermal testing


Electricity testers

Photometric Testing

A set of Goniophotometer (including a 30 meters long light tunnel) was built in L+L laboratory. It meets the requirement of CIE, IESNA, and national standards etc. It can generate accurate data and Polar-curve of light distribution in IES files for computer calculation in design stage.

Only high quality materials are adopted as components in L+L; and strictly tested under the procedures of IQC/ OQCin our valuable laboratory within international standard. L+L engineering department is working continuously to find all kinds of solutions by using optics, heat dissipation, mechanic structure, light sources and etc. We assure compliance to the requirements of IEC60598-1, RoHS, EMI/EMC and different standards from other countries.



Light tunnel (L: 30 meters)



Photogoniometer (H:3 meters)

Quick Pick for Color Temperature

Different color temperatures of light sources will provide different senses of atmosphere or direct reflection to objects. Designers can select the appropriate light source refer to the comparison -display for their ideal designs and applications.



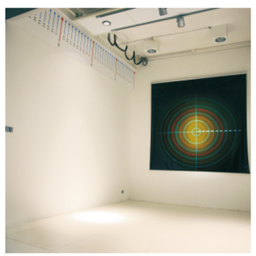
Installation Test

L+L repeatedly tests and verifies the installation method of each luminaire. We strive to provide safe products to customers; with user -friendly application.



Lighting Simulation

Designers can experience different lighting simulations in L+L showroom; where it shows how the conceptual design becomes truth.



Lighting Performance Studio for Light pattern



Lighting Ceiling Studio for Lux illumination

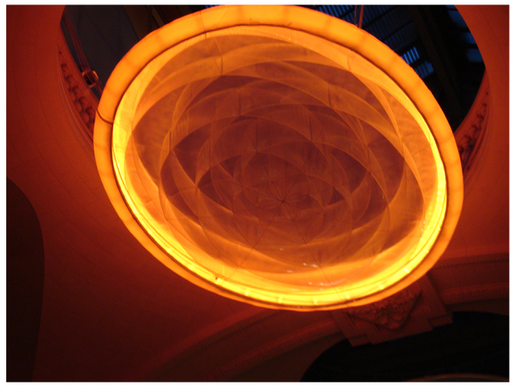




Applications

Museum of Decorative Arts, Paris, France







Dior, Gallerie Lafayette, Paris, France

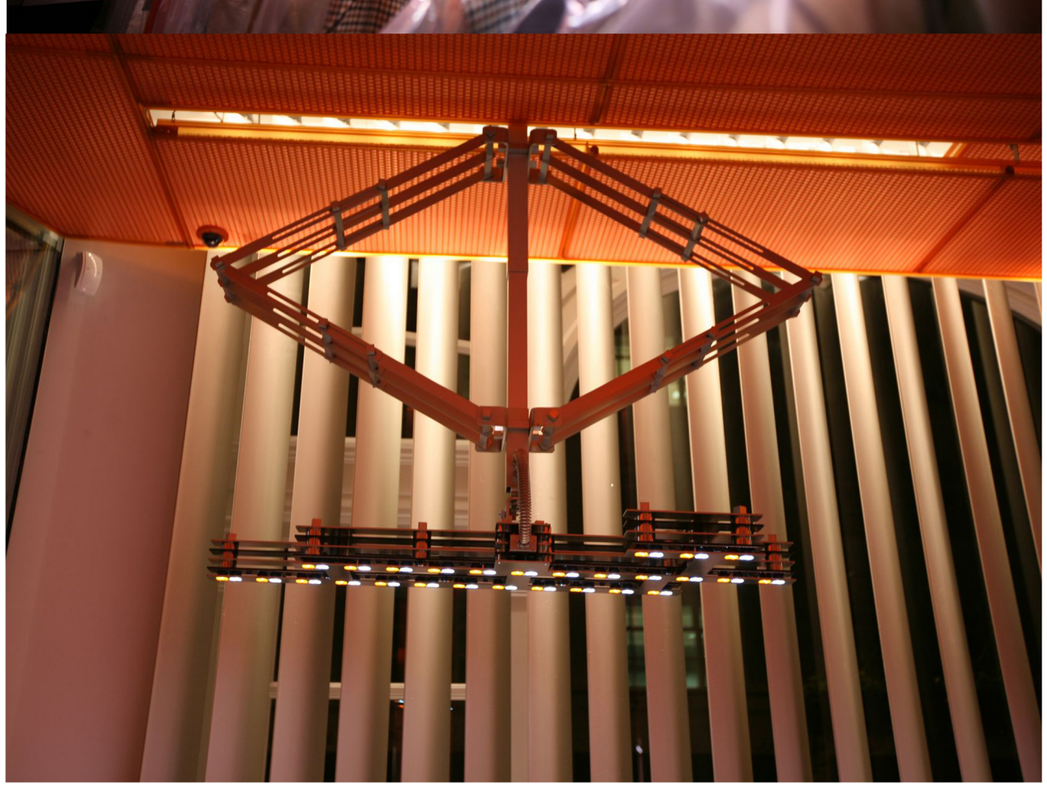




Applications

BalenciagaStore,New york, USA





4 Temps Shopping Mall, Paris, France





New Products

L+L develops a new generation of intercept and polarized optical technology,a new patented Anti-glare Louver and Stretching Film, apply to accent lighting and outdoor glare-proof; the track wallwasher SL-623C series are specially made for high ceilings (3~6 meters), able to brighten up the walls more evenly.

- Anti-glare louver: track lights, commercial down lights, outdoor down lights and in-ground lights.
- Stretching film: track lights & commercial down lights
- Contour design: mixed with circle,square elements and oriental Zen aesthetics in SA-9500A track lights and Featured Family SL-623C track wall washer for high-end display lighting
- Inwardly-rotatable zoom: SA-4500B track light with its light beam switch-able from 25°~ 60° in 3 clicks, it can satisfy most of the commercial projecting needs


SA-9500A


SL-623C

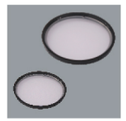

SA-8700-AD


SA-4500B


DL-751B


OGA-204RA

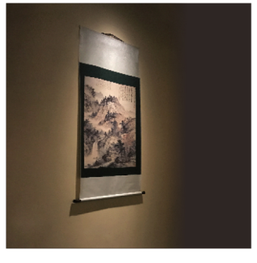

Anti-glare louver

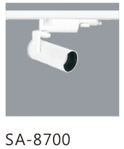

Stretching film









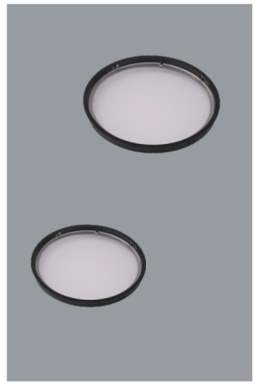

SA-8700
Anti-glare
louver


SA-8500
Anti- glare louver
Stretching film

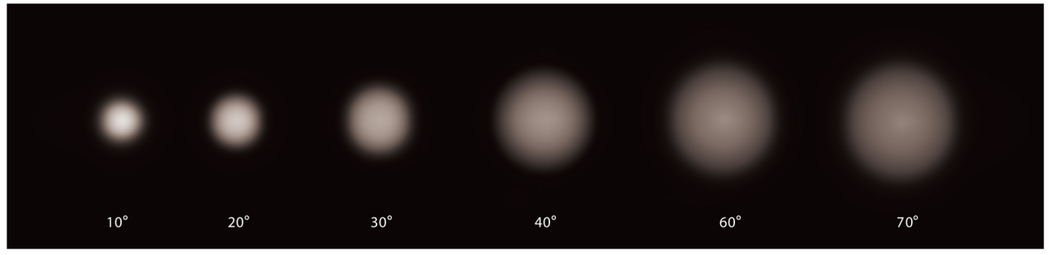

DL-751B
Anti- glare louver
Stretching film


SA-8500-AD

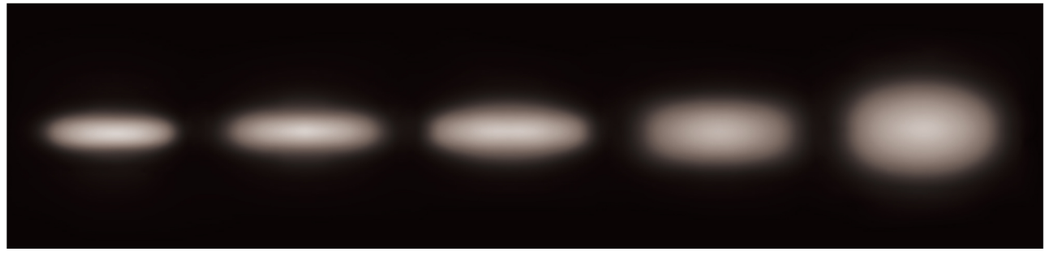

Anti- glare louver
Patent: 201820244258.x (China)
I626397 (Taiwan)

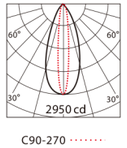
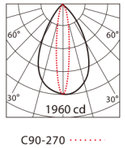
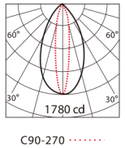
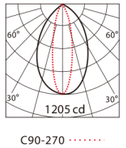
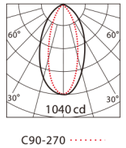

Stretching film

SA-8500AD Light type real beat

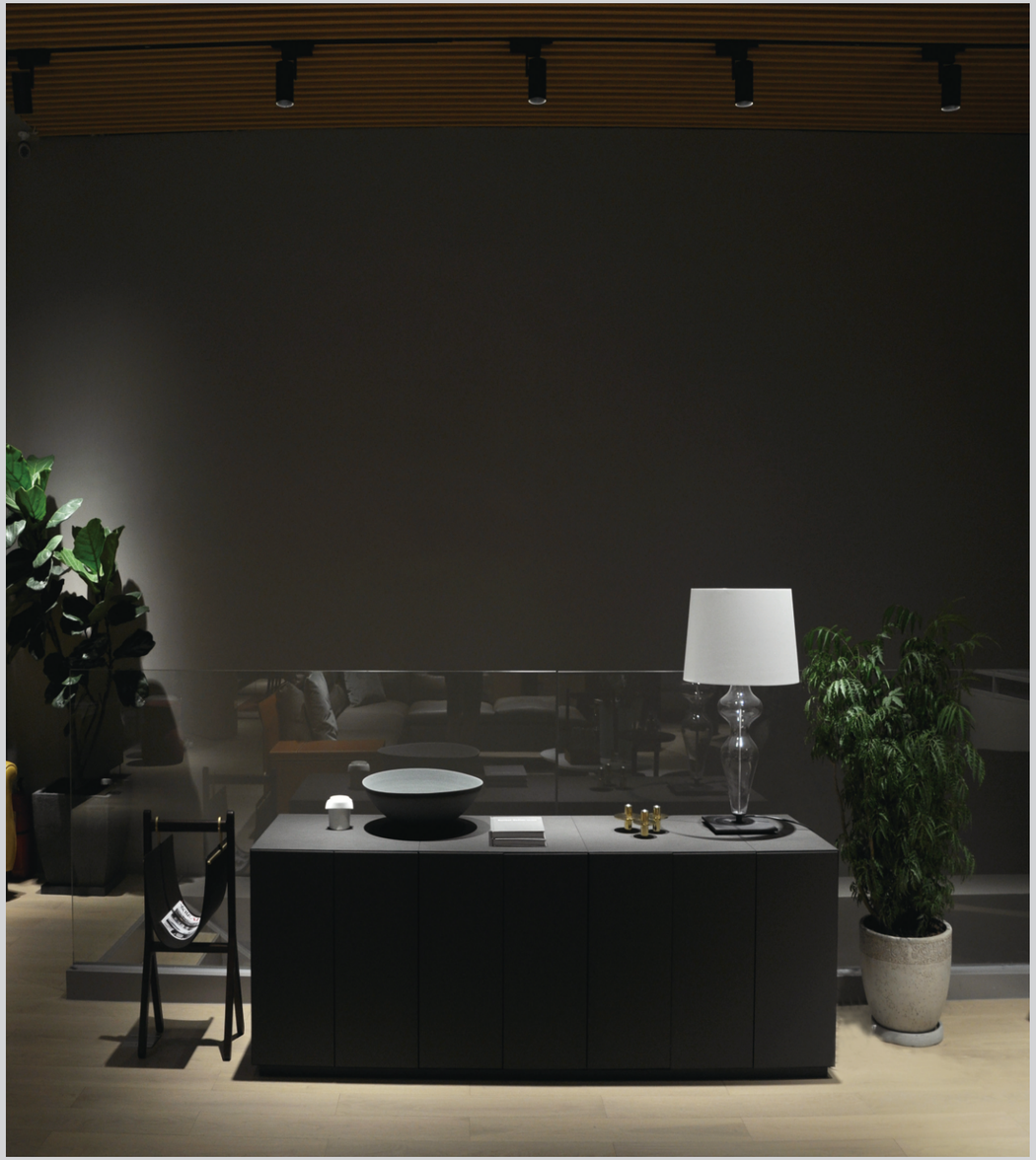


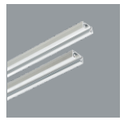
SA-8500AD + Stretching film + Short snoot



AC-C50S-013040 14° x 40° AC-C82S-013040 13° x 40° AC-C111S-013040 12° x 40°	AC-C50S-014060 15° x 55° AC-C82S-014060 13° x 60° AC-C111S-014060 12° x 60°	AC-C50S-017053 18° x 50° AC-C82S-017053 20° x 50° AC-C111S-017053 15° x 50°	AC-C50S-022067 20° x 65° AC-C82S-022067 20° x 70° AC-C111S-022067 20° x 70°	AC-C50S-033060 30° x 55° AC-C82S-033060 34° x 60° AC-C111S-033060 30° x 60°
				
C90-270 ····· C0-180 ——	C90-270 ····· C0-180 ——	C90-270 ····· C0-180 ——	C90-270 ····· C0-180 ——	C90-270 ····· C0-180 ——

Tracks & Structures

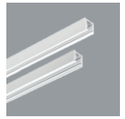




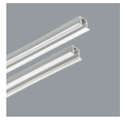

Model	Page
1-Circuit Track Accessories - HT Series	P. 027



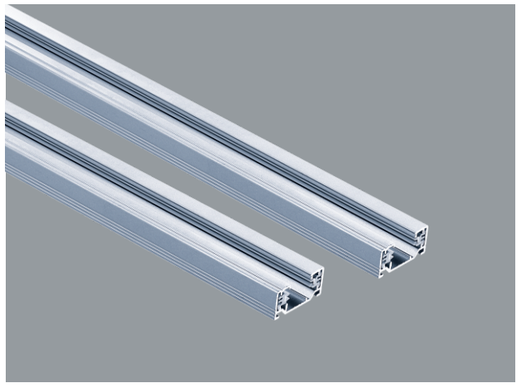

Model	Page
1-Circuit Track Accessories - HTC Series	P. 029



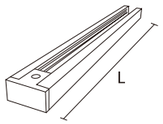

Model	Page
3-Circuit Track Accessories - HT4 Series	P. 033

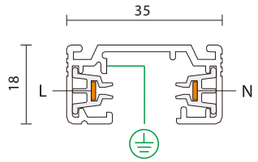



Model	Page
3-Circuit Track Accessories - HT4C Series	P. 035

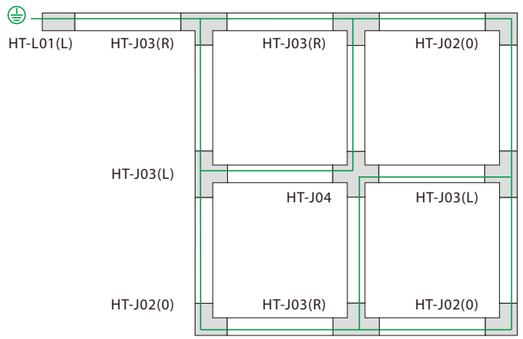


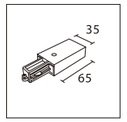
HT-1M / 2M / 3M
1-Circuit HT Series (Surface Mounted)
220V · 16A





Assembling

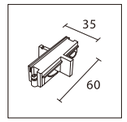


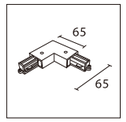
HT-L01(L/R)
Live end
230V · 16A



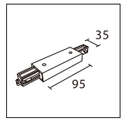

HT-ECAP
endcap

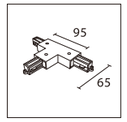
HT-J01
Mini straight connetors
230V · 16A

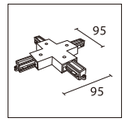
HT-J02(O/I)
L -connector
230V · 16A

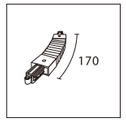
HT-L02
Straight connector
230V · 16A

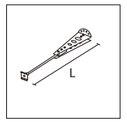
HT-J03(L/R)
T-connector
230V · 16A

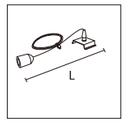
HT-J04
Cross - connector
230V · 16A

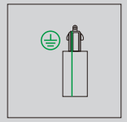
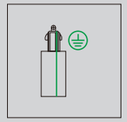
HT-J05
Flexible connector
230V · 16A

HT-J06
Pendent crutch
Length: 200-1000mm

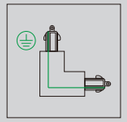
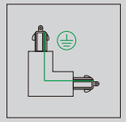



HT-J09
Pendent cable
Max load: 100N
Length: 3000mm

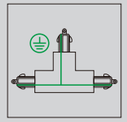
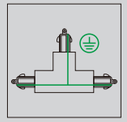
HT-L01(L)
Live end

HT-L01(R)

HT-J02(O)
L-connector

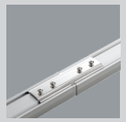
HT-J02(I)

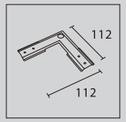
HT-J03(L)
T-connector

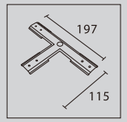
HT-J03(R)

Accessory for Reinforcing HT & HTC









HT-J01S
Color:☐ZN

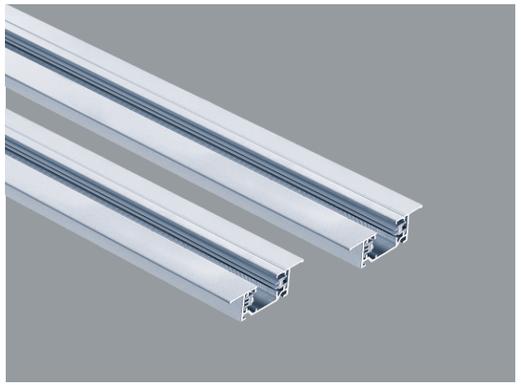
HT-J02S
Color:☐ZN

HT-J03S
Color:☐ZN

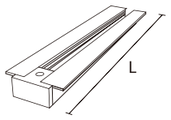
HT-J04S
Color:☐ZN

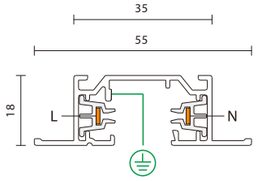
HT-L02S
Color:☐ZN

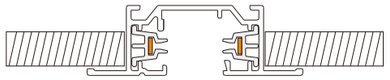
Track Mounting Distance and Max Loading Capacity



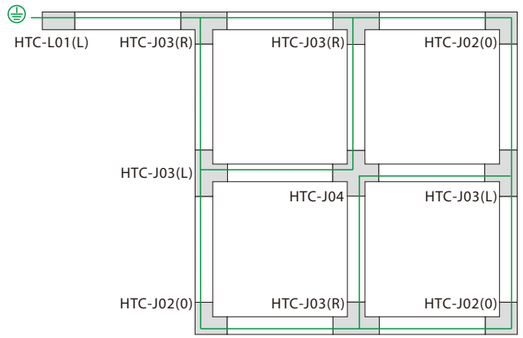
HTC-1M / 2M / 3M
1-Circuit Track (Recessed)
220V · 16A



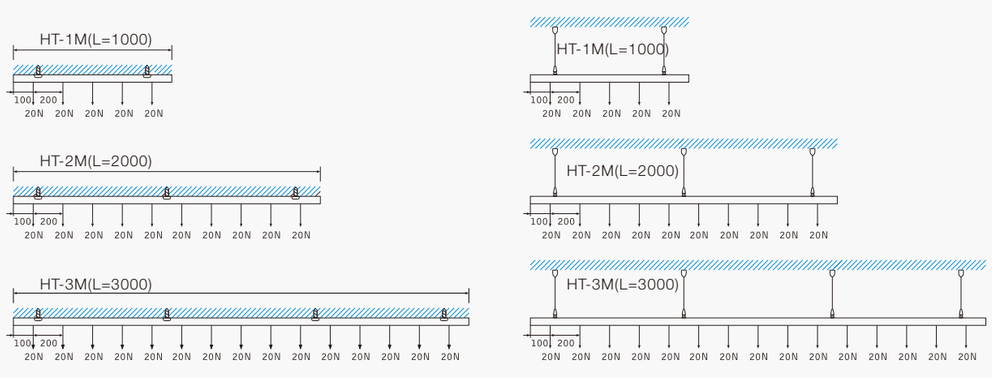




Assembling



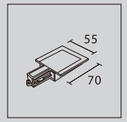
Track Mounting Distance and Max Loading Capacity

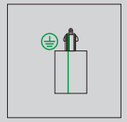


Color : WU / BK / SV

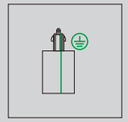


HTC-L01(L/R)
Live end
230V · 16A





HTC-L01(L)

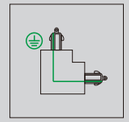


HTC-L01(R)

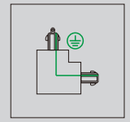


HTC-J02(O/I)
L-connector
230V · 16A





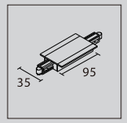
HTC-J02(O)



HTC-J02(I)

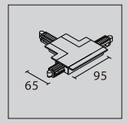


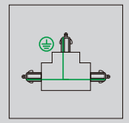
HTC-L02
Straight connector
230V · 16A



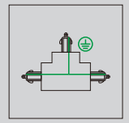


HTC-J03(L/R)
T-connector
230V · 16A





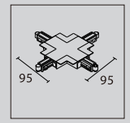
HTC-J03(L)



HTC-J03(R)

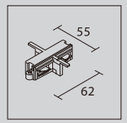


HTC-J04
Cross connector
230V · 16A





HTC-J01
Mini straight connetors
230V · 16A

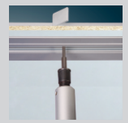




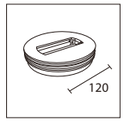
HTC-F01
Steel fix plate
Color: □ZN



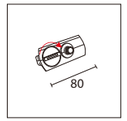




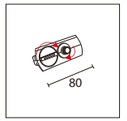
HTC	L:1000	L:2000	L:3000
	40x1073	40x2073	40x3073

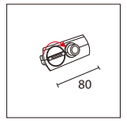
HT-101N
Monopoint
230V · 16A
Max load: 20N

HT-303
1-Circuit adapter
Outer thread
230V · 16A
Max load: 20N

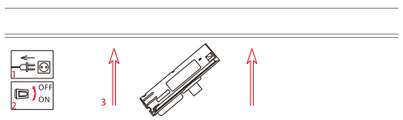
HT-303B
1-Circuit adapter
Outer thread rotatable
230V · 16A
Max load: 20N

HT-303U
1-Circuit adapter
Inner thread
230V · 16A
Max load: 20N

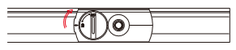
1-Circuit Track Installation Manual

①



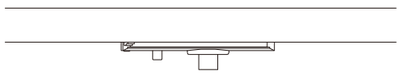
Switch-off the power supply and insert the transmissions adapter into the track.

②



Rotate the switch 90 degrees when the adaptor is aligned with the track.

③



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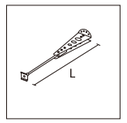
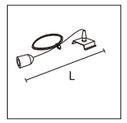
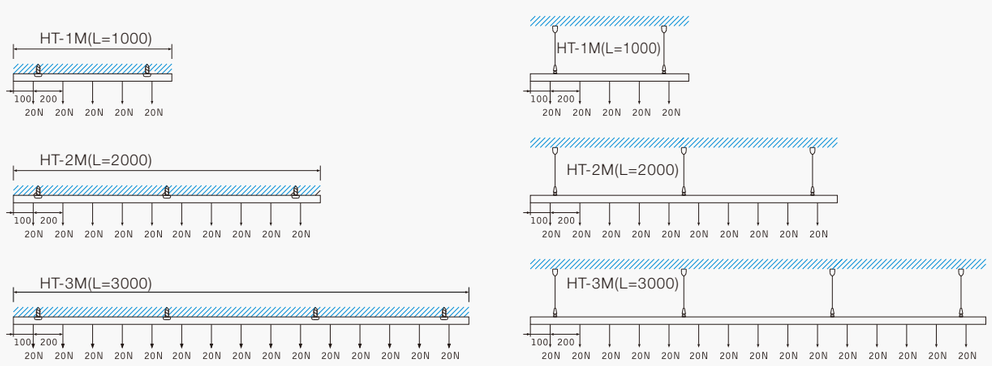


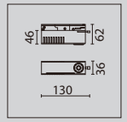
HT-J06
Pendent crutch
Length: 200-1000 mm

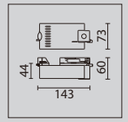
HT-J09
Pendent cable
Max load: 100N
Length: 3000 mm

Track Mounting Distance and Max Loading Capacity

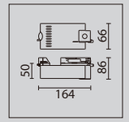


HT-21JK
1-Circuit adapter
230V · AC 12V
Max: 50W
Max load: 20N

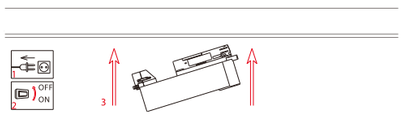
HT-BA35S
1-Circuit adapter
230V · 6A
Max load: 20N

HT-BA70S
1-Circuit adapter
230V · 6A
Max load: 20N

1-Circuit Track Installation Manual

①



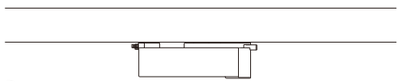
Switch-off the power supply and insert the transmissions adapter into the track.

②



Rotate the switch 90 degrees when the adaptor is aligned with the track.

③



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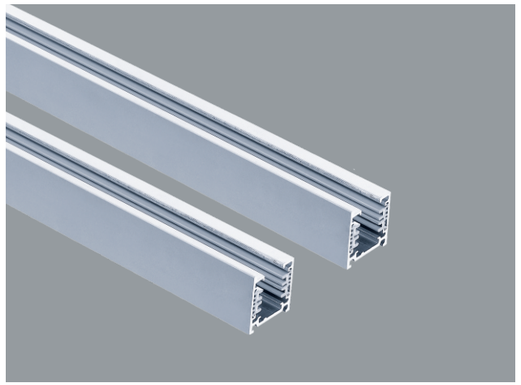
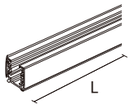
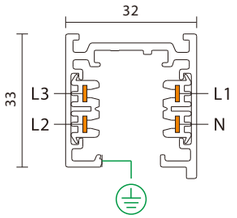
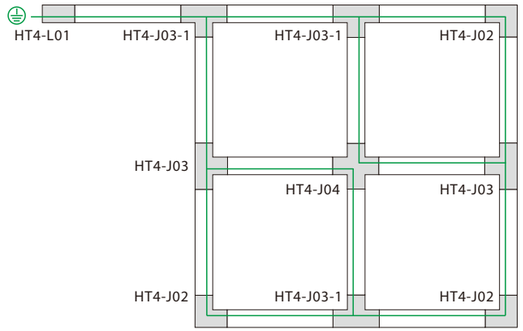


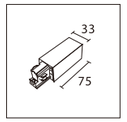
HT4-1M / 2M / 3M
3-Circuit Track (Surface Mounted)
220V · 16A



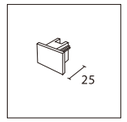


Assembling

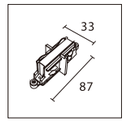


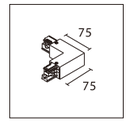
HT4-L01
Live end
230V · 16A

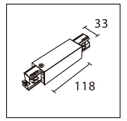
HT4-ECAP
endcap

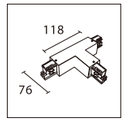
HT4-J01
Mini straight connector
230V · 16A

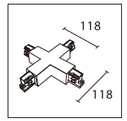
HT4-J02
L-connector
230V · 16A

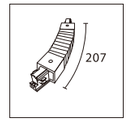
HT4-L02
Straight connector
230V · 16A

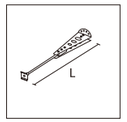
HT4-J03
T-connector
230V · 16A

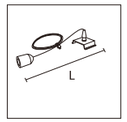
HT4-J04
Cross - connector
230V · 16A

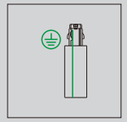
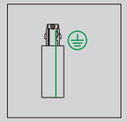
HT4-J05
Flexible connector
230V · 16A

HT4-J06
Pendent crutch
Length: 200-1000 mm

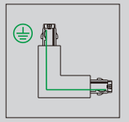
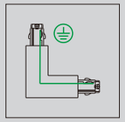



HT4-J09
Pendent cable
Max load:100N
Length:3000 mm

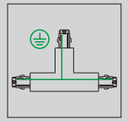
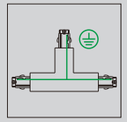
HT4-L01-1
Live end

HT-L01

HT4-J02-1
L-connector

HT4-J02

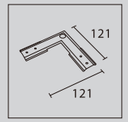
HT-J03-1
T-connector

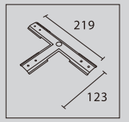
HT-J03

Accessory for Reinforcing HT4 & HT4C









HT4-J01S
Color:☐ZN

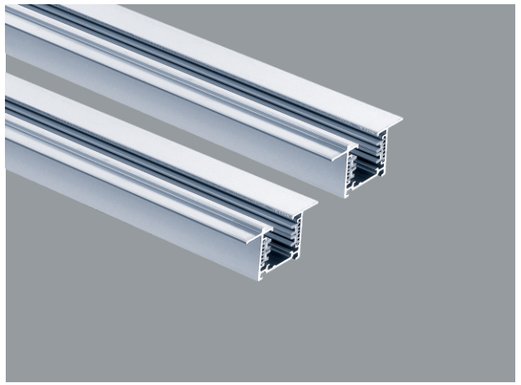
HT4-J02S
Color:☐ZN

HT4-J03S
Color:☐ZN

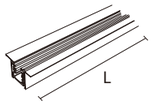
HT4-J04S
Color:☐ZN

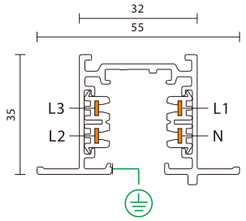
HT4-L02S
Color:☐ZN

Track Mounting Distance and Max Loading Capacity

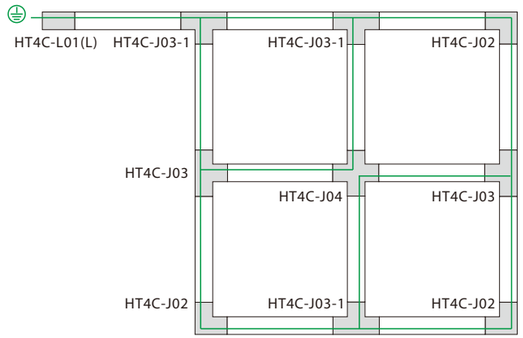


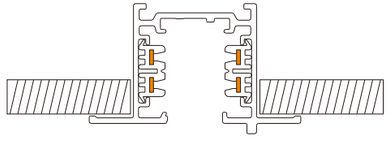
HT4C-1M / 2M / 3M
3-circuit Track (Recessed)
220V · 16A





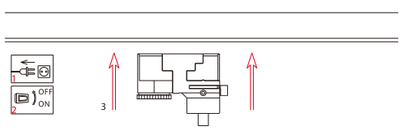
Assembling





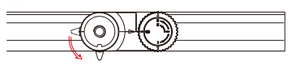
Instruction of 3-Circuit Electrical Source Connection Plugs

①



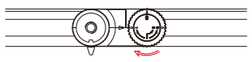
Switch off the power, and insert the adapter into track.

②



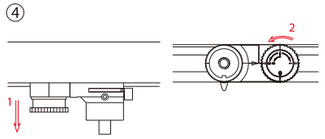
Fix the adapter

③



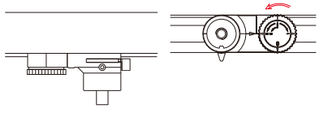
Rotate the rotary knob to turn on the circuit NO.1.

④



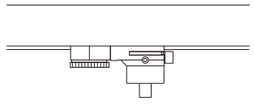
Pull and rotate the rotary knob to turn on the circuit NO.2.

⑤



Rotate the rotary knob again to turn on the circuit NO.3.

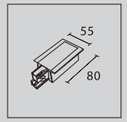
⑥

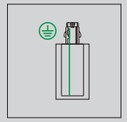


Done.

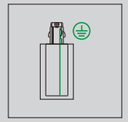


HT4C-L01(L/R)
Live end
230V · 16A





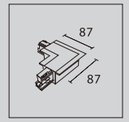
HT4C-L01-1

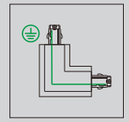


HT4C-L01

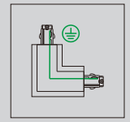


HT4C-J02
L-connector
230V · 16A





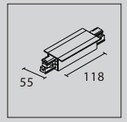
HTC-J02-1



HTC-J02

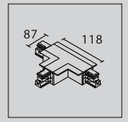


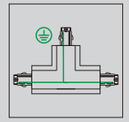
HT4C-L02
Straight connector
230V · 16A



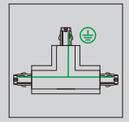


HT4C-J03
T-connector
230V · 16A





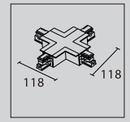
HTC-J03-1



HTC-J03

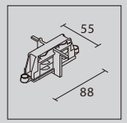


HT4C-J04
Cross - connector
230V · 16A





HT4C-J01
Mini straight connetors
230V · 16A

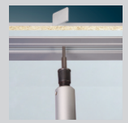




HT4C-F01
Steel fix plate
Color: □ZN



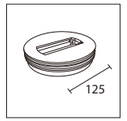




HT4C	L:1000	L:2000	L:3000
	37x1083	37x2073	37x3083



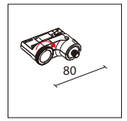
HT4-101N
Monopoint
230V · 16A
Max load: 50N





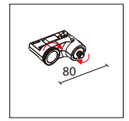


HT4-413A
3-Circuit adapter
Outer thread
250V · 6A
Max load: 50N



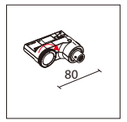


HT4-413B
3-Circuit adapter
Outer thread - rotatable
250V · 6A
Max load: 50N



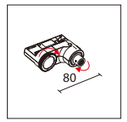


HT4-413U
3-Circuit adapter
Inner thread
250V · 6A
Max load: 50N

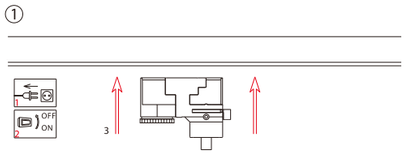




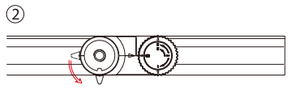
HT4-413W
3-Circuit adapter - rotatable
Inner thread - rotatable
250V · 6A
Max load: 50N



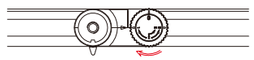
Instruction of 3-Circuit Electrical Source Connection Plugs



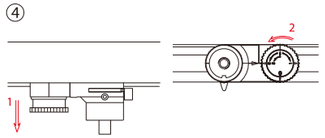
Switch off the power, and insert the adapter into track.



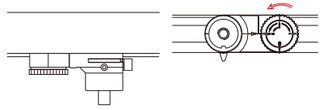
Fix the adapter



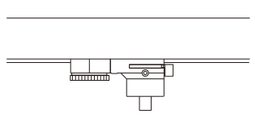
Rotate the rotary knob to turn on the circuit NO.1.



Pull and rotate the rotary knob to turn on the circuit NO.2.



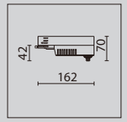
Rotate the rotary knob again to turn on the circuit NO.3.



Done.

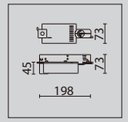


HT4-22JK
3-Circuit adapter
220-240V · AC 12V
Max : 50W
Max load: 50N



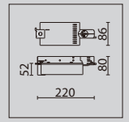


HT4-BA35S
3-Circuit adapter
230V · 6A
Max load: 50N



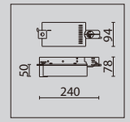


HT4-BA70S
3-Circuit adapter
230V · 6A
Max load: 50N

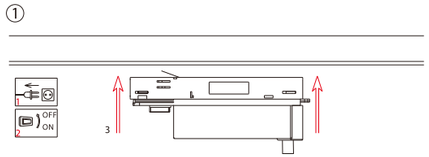




HT4-BA150S
3-Circuit adapter
230V · 6A
Max load: 50N



Instruction of 3-Circuit Electrical Source Connection Plugs



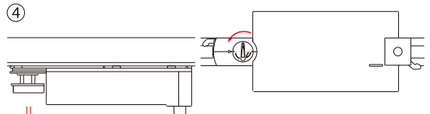
Switch off the power, and insert the adapter into track.



Fix the adapter



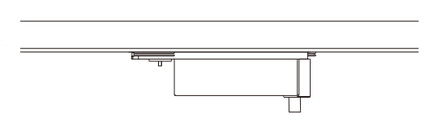
Rotate the rotary knob to turn on the circuit NO.1.



Pull and rotate the rotary knob to turn on the circuit NO.2.

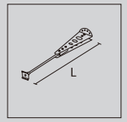


Rotate the rotary knob again to turn on the circuit NO.3.



Done.





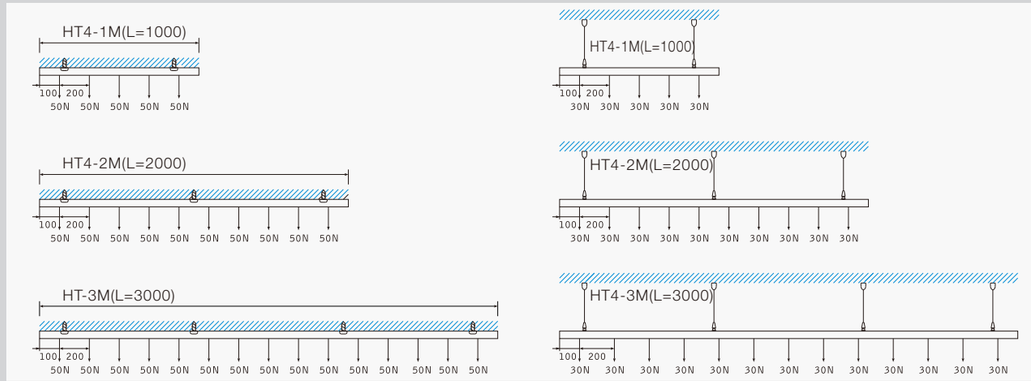
HT4-J06
Pendent crutch
Length:
200-1000 mm





HT4-J09
Pendent cable
Max load:100N
Length: 3000 mm

Track Mounting Distance and Max Loading Capacity



Luminaires for Track



	Model	Page
  	SA-2800 Series	P. 041
  	SA-8700/HT4-22JK Series	P. 047
	SA-8700/HT4-413 Series	P. 057
  	SA-9700/HT4-BA40 Series	P. 067
  	SA-4700B Series	P. 073
 	SH-523C Series	P. 077
 	SL-623C 系列	P. 081

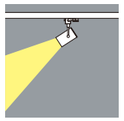


Features

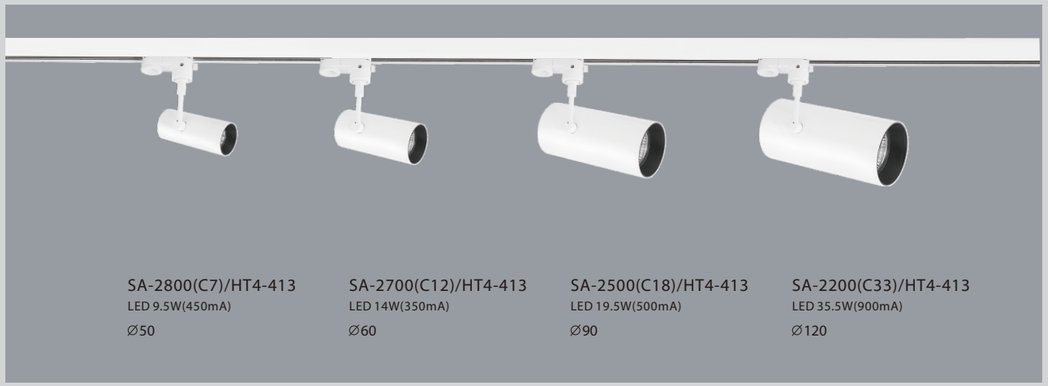
- Precise optical design for a mellow and plump light distribution
- Various beam angles
- Side and top stem options: vertically tiltable 180° and 90°; both are 355°horizontally rotatable
- Built-in driver
- Compact and delicate, the track light able to be merged into environment

Applications

- Accent lighting for retail or hospitality spaces.





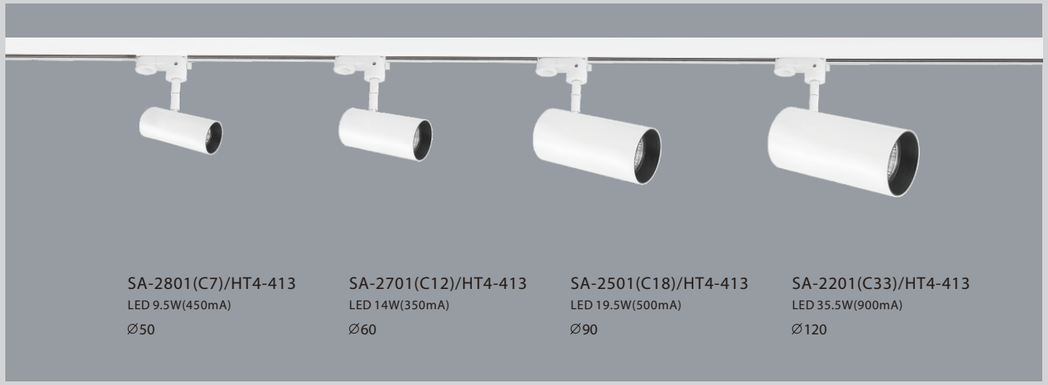


SA-2800(C7)/HT4-413
LED 9.5W(450mA)
∅50

SA-2700(C12)/HT4-413
LED 14W(350mA)
∅60

SA-2500(C18)/HT4-413
LED 19.5W(500mA)
∅90

SA-2200(C33)/HT4-413
LED 35.5W(900mA)
∅120



SA-2801(C7)/HT4-413
LED 9.5W(450mA)
∅50

SA-2701(C12)/HT4-413
LED 14W(350mA)
∅60

SA-2501(C18)/HT4-413
LED 19.5W(500mA)
∅90

SA-2201(C33)/HT4-413
LED 35.5W(900mA)
∅120

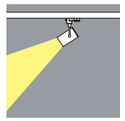
SA-2800

SA-2801

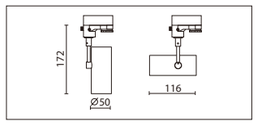




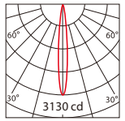
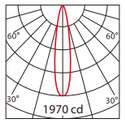
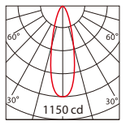
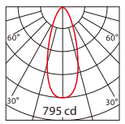
SA-2800(C7)/HT4-413



LED : LED (COB)
Power : LED 9.5W (450mA)
Input : AC 100-240V
Beam Angle : 15°/20°/30°/40°
Driver Type : Built-in
Driver : LIC9W450-Z
355° rotation and 90° tilt



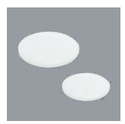


COB LED		H(m)	D(m)	E(lx) 15°	
		1.0	0.3	3130	
		2.0	0.5	783	
		3.0	0.8	348	
COB LED		H(m)	D(m)	E(lx) 20°	
		1.0	0.4	1970	
		2.0	0.7	493	
		3.0	1.1	219	
COB LED		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	1150	
		2.0	1.1	288	
		3.0	1.6	128	
COB LED		H(m)	D(m)	E(lx) 40°	
		1.0	0.7	795	
		2.0	1.5	199	
		3.0	2.2	88	

Accessories



Honeycomb
AC-2800C



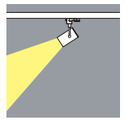
Woven glass
AC-2800F



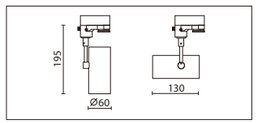
Stripe glass
AC-2800D



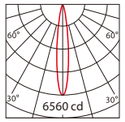
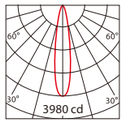
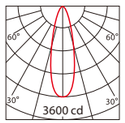
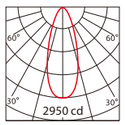
SA-2700(C12)/HT4-413



LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 100-277V
Beam Angle : 15°/24°/30°/40°
Driver Type : Built-in
Driver : LSC20W350P UNI
355° rotation and 90° tilt





COB LED		H(m)	D(m)	E(lx) 15°	
		1.0	0.3	6560	
		2.0	0.5	1640	
		3.0	0.8	729	
COB LED		H(m)	D(m)	E(lx) 24°	
		1.0	0.4	3980	
		2.0	0.9	995	
		3.0	1.3	442	
COB LED		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	3600	
		2.0	1.1	900	
		3.0	1.6	400	
COB LED		H(m)	D(m)	E(lx) 40°	
		1.0	0.7	2950	
		2.0	1.5	738	
		3.0	2.2	328	

Accessories



Honeycomb
AC-2700C



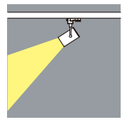
Woven glass
AC-2700F



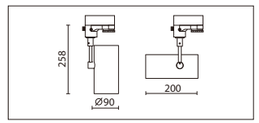
Stripe glass
AC-2700D



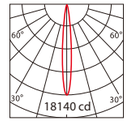
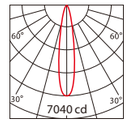
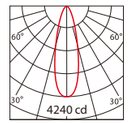
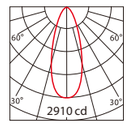
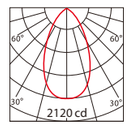
SA-2500(C18)/HT4-413



LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W500HP UNI
355° rotation and 90° tilt



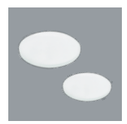


COB LED		H(m)	D(m)	E(lx) 10°	
		1.0	0.2	18140	
		2.0	0.3	4535	
		3.0	0.5	2016	
COB LED		H(m)	D(m)	E(lx) 20°	
		1.0	0.4	7040	
		2.0	0.7	1760	
		3.0	1.1	782	
COB LED		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	4240	
		2.0	1.1	1060	
		3.0	1.6	471	
COB LED		H(m)	D(m)	E(lx) 40°	
		1.0	0.7	2910	
		2.0	1.5	728	
		3.0	2.2	323	
COB LED		H(m)	D(m)	E(lx) 60°	
		1.0	1.2	2120	
		2.0	2.3	530	
		3.0	3.5	236	

Accessories



Honeycomb
AC-2500C



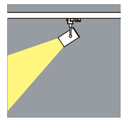
Woven glass
AC-3510F



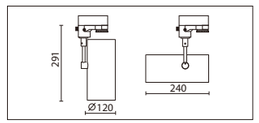
Stripe glass
AC-2500D



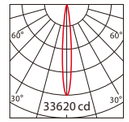
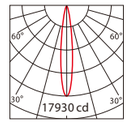
SA-2200(C33)/HT4-413



LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 100-240V
Beam Angle : 10°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LTC40W900
355° rotation and 90° tilt





COB LED		H(m)	D(m)	E(lx) 10°	
		1.0	0.2	33620	
		2.0	0.3	8405	
		3.0	0.5	3736	
COB LED		H(m)	D(m)	E(lx) 15°	
		1.0	0.3	17930	
		2.0	0.5	4483	
		3.0	0.8	1992	
COB LED		H(m)	D(m)	E(lx) 20°	
		1.0	0.4	10670	
		2.0	0.7	2668	
		3.0	1.1	1186	
COB LED		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	7400	
		2.0	1.1	1850	
		3.0	1.6	822	
COB LED		H(m)	D(m)	E(lx) 40°	
		1.0	0.8	4100	
		2.0	1.7	1025	
		3.0	2.5	456	
COB LED		H(m)	D(m)	E(lx) 60°	
		1.0	1.2	3150	
		2.0	2.3	788	
		3.0	3.5	350	

Accessories

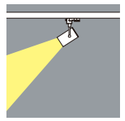
Honeycomb
AC-2200C

Woven glass
AC-2200F

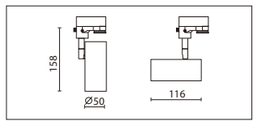
Stripe glass
AC-2200D



SA-2801(C7)/HT4-413

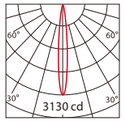


LED : LED (COB)
Power : LED 9.5W (450mA)
Input : AC 100-240V
Beam Angle : 15°/20°/30°/40°
Driver Type : Built-in
Driver : LIC9W450-Z
355° rotation and 90° tilt



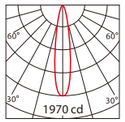






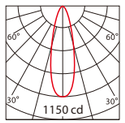
H(m)	D(m)	E(lx) 15°
1.0	0.3	3130
2.0	0.5	783
3.0	0.8	348





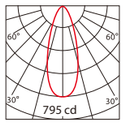
H(m)	D(m)	E(lx) 20°
1.0	0.4	1970
2.0	0.7	493
3.0	1.1	219





H(m)	D(m)	E(lx) 30°
1.0	0.5	1150
2.0	1.1	288
3.0	1.6	128



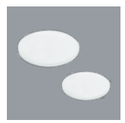


H(m)	D(m)	E(lx) 40°
1.0	0.7	795
2.0	1.5	199
3.0	2.2	88

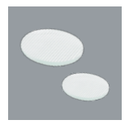
Accessories



Honeycomb
AC-2800C



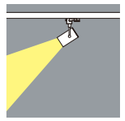
Woven glass
AC-2800F



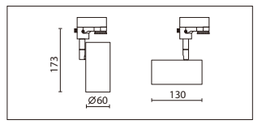
Stripe glass
AC-2800D



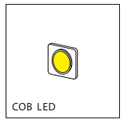
SA-2701(C12)/HT4-413

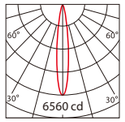


LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 100-277V
Beam Angle : 15°/24°/30°/40°
Driver Type : Built-in
Driver : LSC20W350P UNI
355° rotation and 90° tilt



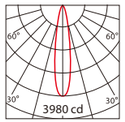






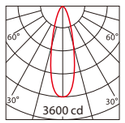
H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729





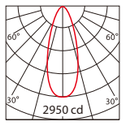
H(m)	D(m)	E(lx) 24°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442





H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400



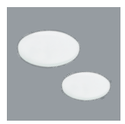


H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328

Accessories



Honeycomb
AC-2700C



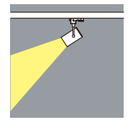
Woven glass
AC-2700F



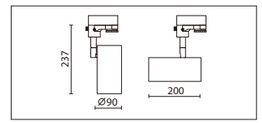
Stripe glass
AC-2700D



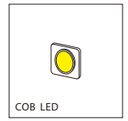
SA-2501(C18)/HT4-413

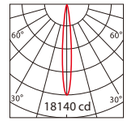


LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W500HP UNI
355° rotation and 90° tilt

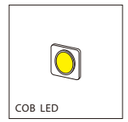


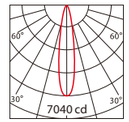




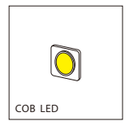


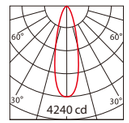
H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016





H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782





H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323

H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

Accessories

Honeycomb
AC-2500C

Woven glass
AC-3510F

Stripe glass
AC-2500D

SA-2201(C33)/HT4-413

LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 100-240V
Beam Angle : 10°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LTC40W900
355° rotation and 90° tilt

H(m)	D(m)	E(lx) 10°
1.0	0.2	33620
2.0	0.3	8405
3.0	0.5	3736

H(m)	D(m)	E(lx) 15°
1.0	0.3	17930
2.0	0.5	4483
3.0	0.8	1992

H(m)	D(m)	E(lx) 20°
1.0	0.4	10670
2.0	0.7	2668
3.0	1.1	1186

H(m)	D(m)	E(lx) 30°
1.0	0.5	7400
2.0	1.1	1850
3.0	1.6	822

H(m)	D(m)	E(lx) 40°
1.0	0.8	4100
2.0	1.7	1025
3.0	2.5	456

H(m)	D(m)	E(lx) 60°
1.0	1.2	3150
2.0	2.3	788
3.0	3.5	350

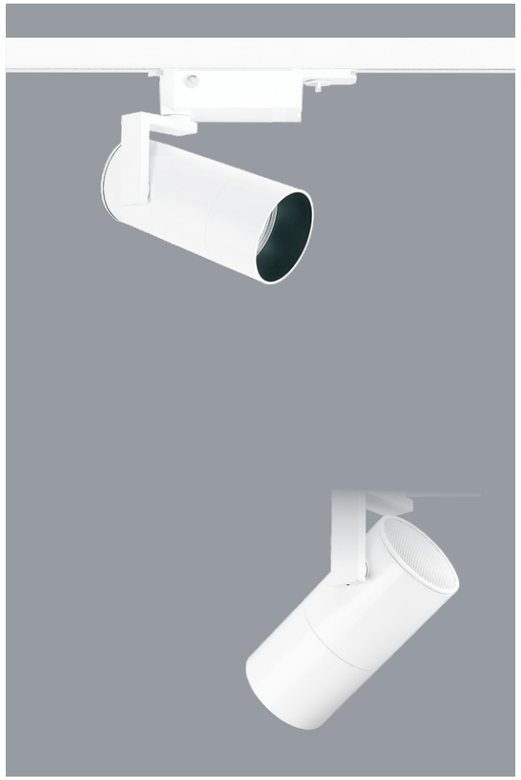
Accessories

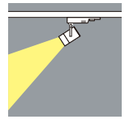
Honeycomb
AC-2200C

Woven glass
AC-2200F

Stripe glass
AC-2200D

Systematic Dimming Reference P.049-052
Systematic Dimming + Individual Dimming Reference P.053-056





Features

- Equipped with a new patent anti-glare louver, cut-off angle > 30°
- Various optical accessories: focus, gradient, vignette, stretch, square and wall wash effects
- Built-in driver, 10°~60° beam angle options
- Systematic: dimmable trailing edge (100%~10%)
- Systematic + Individual: dimmable trailing edge (100%~10%) + tuning knob on the luminaire (100%~30%)
- The stemis 355° horizontally rotatable and the body is able to tilt 180° vertically, which can be adjusted precisely for optimum beam alignment

Applications

- Accent lighting for museums, galleries, showrooms and commercial applications.



Systematic Dimming



SA-8700-A(C12)/HT4-22JK
LED 14W(350mA)



SA-8500-A(C18)/HT4-BA35
LED 19.5W(500mA)



SA-8200-A(C33)/HT4-BA70
LED 35.5W(900mA)

Systematic Dimming + Individual Dimming





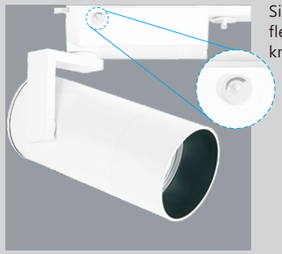
SA-8700-AD(C12)/HT4-22JK
LED 14W(350mA)



SA-8500-AD(C18)/HT4-BA35
LED 19.5W(500mA)



SA-8200-AD(C33)/HT4-BA70
LED 35.5W(900mA)



Simple and flexible dimming knob



Right - angle bracket design





With optical optimizer

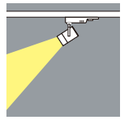


Without optical optimizer



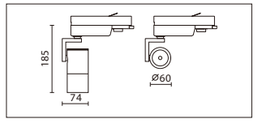
SA-8700-A(C12)/HT4-22JK

TAIWAN EXCELLENCE 2014



30° Cut-off

LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LCI-14-350-TN
Dimming Type : Trailing edge
355° rotation and 180° tilt





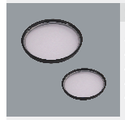
Accessories



Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Available beam angle: 12°~30°



Honey comb
DL-77-AC2



Stretching film
AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060



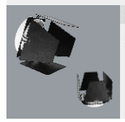
Long snoot
AC-8700L
Available beam angle: 12°~30°



Short snoot
AC-8700S
Available beam angle: 10°~50°



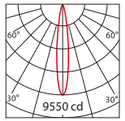
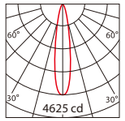
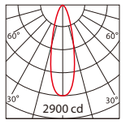
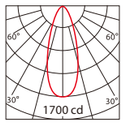
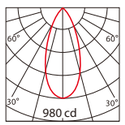
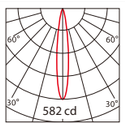
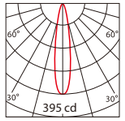
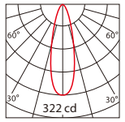
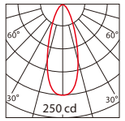
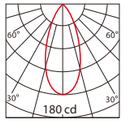
Wall wash snoot
AC-8700J
Available beam angle: 40°~50°



4-leaf Barn Door
AC-8700Q



Lowest after Systematic Dimming

COB LED		H(m)	D(m)	E(lx) 12°
		1.0	0.2	9550
		2.0	0.4	2388
		3.0	0.6	1061
COB LED		H(m)	D(m)	E(lx) 20°
		1.0	0.4	4625
		2.0	0.7	1156
		3.0	1.1	514
COB LED		H(m)	D(m)	E(lx) 30°
		1.0	0.5	2900
		2.0	1.1	725
		3.0	1.6	322
COB LED		H(m)	D(m)	E(lx) 40°
		1.0	0.7	1700
		2.0	1.5	425
		3.0	2.2	189
COB LED		H(m)	D(m)	E(lx) 50°
		1.0	0.9	980
		2.0	1.9	245
		3.0	2.8	109
COB LED		H(m)	D(m)	E(lx) 12°
		1.0	0.2	582
		2.0	0.4	146
		3.0	0.6	65
COB LED		H(m)	D(m)	E(lx) 20°
		1.0	0.4	395
		2.0	0.7	99
		3.0	1.1	44
COB LED		H(m)	D(m)	E(lx) 30°
		1.0	0.5	322
		2.0	1.1	81
		3.0	1.6	36
COB LED		H(m)	D(m)	E(lx) 40°
		1.0	0.7	250
		2.0	1.5	63
		3.0	2.2	28
COB LED		H(m)	D(m)	E(lx) 50°
		1.0	0.9	180
		2.0	1.9	45
		3.0	2.8	20

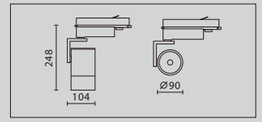


SA-8500-A(C18)/HT4-BA35



30° Cut-off

LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCI-14-350-TN
Dimming Type : Trailing edge
355° rotation and 180° tilt





Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO
Available beam angle: 12°~30°



Honey comb
DL-75-AC2



Stretching film
AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060



Long snoot
AC-8500L
Available beam angle: 12°~30°



Short snoot
AC-8500S
Available beam angle: 10°~60°



Wall wash snoot
AC-8500J
Available beam angle: 40°~60°



4-leaf Barn Door
AC-8500Q

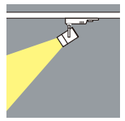


Lowest after Systematic Dimming

COB LED		H(m)	D(m)	E(lx) 10°
		1.0	0.2	15555
		2.0	0.3	3889
		3.0	0.5	1728
COB LED		H(m)	D(m)	E(lx) 20°
		1.0	0.4	8220
		2.0	0.7	2055
		3.0	1.1	913
COB LED		H(m)	D(m)	E(lx) 30°
		1.0	0.5	4005
		2.0	1.1	1001
		3.0	1.6	445
COB LED		H(m)	D(m)	E(lx) 40°
		1.0	0.7	2630
		2.0	1.5	658
		3.0	2.2	292
COB LED		H(m)	D(m)	E(lx) 60°
		1.0	1.2	1920
		2.0	2.3	480
		3.0	3.5	213
COB LED		H(m)	D(m)	E(lx) 10°
		1.0	0.2	1130
		2.0	0.3	283
		3.0	0.5	126
COB LED		H(m)	D(m)	E(lx) 20°
		1.0	0.4	590
		2.0	0.7	148
		3.0	1.1	66
COB LED		H(m)	D(m)	E(lx) 30°
		1.0	0.5	370
		2.0	1.1	93
		3.0	1.6	41
COB LED		H(m)	D(m)	E(lx) 40°
		1.0	0.7	260
		2.0	1.5	65
		3.0	2.2	29
COB LED		H(m)	D(m)	E(lx) 60°
		1.0	1.2	190
		2.0	2.3	48
		3.0	3.5	21

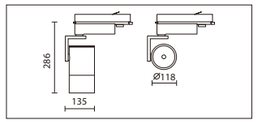


SA-8200-A(C33)/HT4-BA70





LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCI -38-900- TL
Dimming Type : Trailing edge
355° rotation and 180° tilt





Accessories



Anti-glare louver

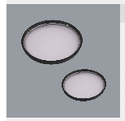
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO

Available beam angle:
12°~30°



Honey comb

DL-7-AC2



Stretching film

AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060



Long snoot

AC-8200L

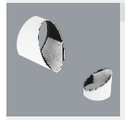
Available beam angle:
12°~30°



Short snoot

AC-8200S

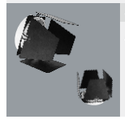
Available beam angle:
10°~60°



Wall wash snoot

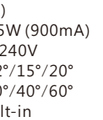
AC-8200J

Available beam angle:
40°~60°

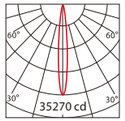


4-leaf Barn Door

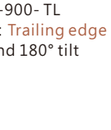
AC-8200Q



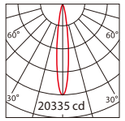
COB LED



H(m)	D(m)	E(lx) 12°
1.0	0.2	35270
2.0	0.4	8818
3.0	0.6	3919

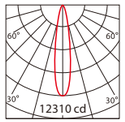


COB LED



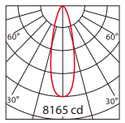
H(m)	D(m)	E(lx) 15°
1.0	0.3	20335
2.0	0.5	5084
3.0	0.8	2260

COB LED



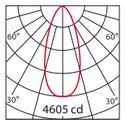
H(m)	D(m)	E(lx) 20°
1.0	0.4	12310
2.0	0.7	3078
3.0	1.1	1368

COB LED



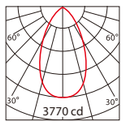
H(m)	D(m)	E(lx) 30°
1.0	0.5	8165
2.0	1.1	2041
3.0	1.6	907

COB LED



H(m)	D(m)	E(lx) 40°
1.0	0.8	4605
2.0	1.7	1151
3.0	2.5	512

COB LED

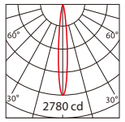


H(m)	D(m)	E(lx) 60°
1.0	1.2	3770
2.0	2.3	943
3.0	3.5	419

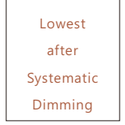


Lowest after Systematic Dimming

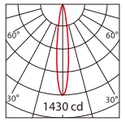
COB LED



H(m)	D(m)	E(lx) 12°
1.0	0.2	2780
2.0	0.4	695
3.0	0.6	309

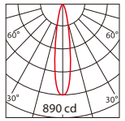


COB LED



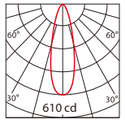
H(m)	D(m)	E(lx) 15°
1.0	0.3	1430
2.0	0.5	358
3.0	0.8	159

COB LED



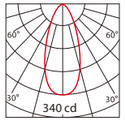
H(m)	D(m)	E(lx) 20°
1.0	0.4	890
2.0	0.7	223
3.0	1.1	99

COB LED



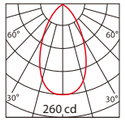
H(m)	D(m)	E(lx) 30°
1.0	0.5	610
2.0	1.1	153
3.0	1.6	68

COB LED



H(m)	D(m)	E(lx) 40°
1.0	0.8	340
2.0	1.7	85
3.0	2.5	38

COB LED



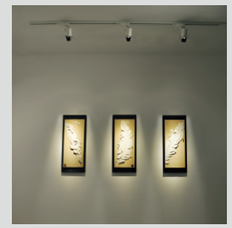
H(m)	D(m)	E(lx) 60°
1.0	1.2	260
2.0	2.3	65
3.0	3.5	29



SA-8700 + Anti- glare louver



SA-8500 + Anti- glare louver + Stretching film



SA-8500 + Blind door

SA-8200 + Wall washing snoot

SA-8700A + Short snoot + Stretching film

AC-C50S-013040
14° x 40°

C90-270 ·····
C0-180 ——

AC-C50S-014060
15° x 55°

C90-270 ·····
C0-180 ——

AC-C50S-017053
18° x 50°

C90-270 ·····
C0-180 ——

AC-C50S-022067
20° x 65°

C90-270 ·····
C0-180 ——

AC-C50S-033060
30° x 55°

C90-270 ·····
C0-180 ——

SA-8500A + Short snoot + Stretching film

AC-C82S-013040
13° x 40°

C90-270 ·····
C0-180 ——

AC-C82S-014060
13° x 60°

C90-270 ·····
C0-180 ——

AC-C82S-017053
20° x 50°

C90-270 ·····
C0-180 ——

AC-C82S-022067
20° x 70°

C90-270 ·····
C0-180 ——

AC-C82S-033060
34° x 60°

C90-270 ·····
C0-180 ——

SA-8200A + Short snoot + Stretching film

AC-C111S-013040
12° x 40°

C90-270 ·····
C0-180 ——

AC-C111S-014060
12° x 60°

C90-270 ·····
C0-180 ——

AC-C111S-017053
15° x 50°

C90-270 ·····
C0-180 ——

AC-C111S-022067
20° x 70°

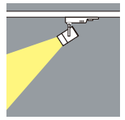
C90-270 ·····
C0-180 ——

AC-C111S-033060
30° x 60°

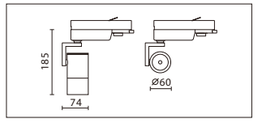
C90-270 ·····
C0-180 ——



SA-8700-AD(C12)/HT4-22JK



LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LCI-14-350-TNI
Dimming Type :
Trailing edge +
355° rotation and 180° tilt





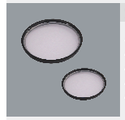
Accessories



Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Available beam angle: 12°~30°



Honey comb
DL-77-AC2



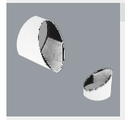
Stretching film
AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060



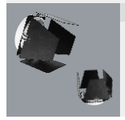
Long snoot
AC-8700L
Available beam angle: 12°~30°



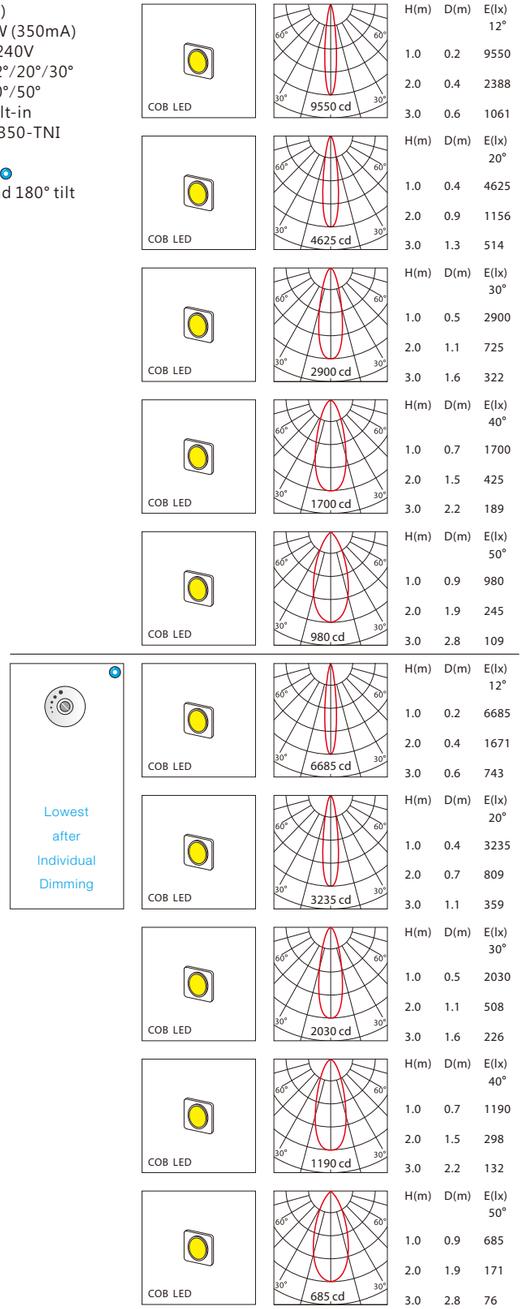
Short snoot
AC-8700S
Available beam angle: 10°~50°



Wall wash snoot
AC-8700J
Available beam angle: 40°~50°



4-leaf Barn Door
AC-8700Q



H(m)	D(m)	E(lx) 12°
1.0	0.2	9550
2.0	0.4	2388
3.0	0.6	1061

H(m)	D(m)	E(lx) 20°
1.0	0.4	4625
2.0	0.9	1156
3.0	1.3	514

H(m)	D(m)	E(lx) 30°
1.0	0.5	2900
2.0	1.1	725
3.0	1.6	322

H(m)	D(m)	E(lx) 40°
1.0	0.7	1700
2.0	1.5	425
3.0	2.2	189

H(m)	D(m)	E(lx) 50°
1.0	0.9	980
2.0	1.9	245
3.0	2.8	109

H(m)	D(m)	E(lx) 12°
1.0	0.2	6685
2.0	0.4	1671
3.0	0.6	743

H(m)	D(m)	E(lx) 20°
1.0	0.4	3235
2.0	0.7	809
3.0	1.1	359

H(m)	D(m)	E(lx) 30°
1.0	0.5	2030
2.0	1.1	508
3.0	1.6	226

H(m)	D(m)	E(lx) 40°
1.0	0.7	1190
2.0	1.5	298
3.0	2.2	132

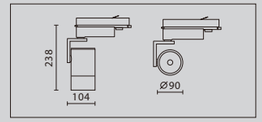
H(m)	D(m)	E(lx) 50°
1.0	0.9	685
2.0	1.9	171
3.0	2.8	76



SA-8500-AD(C18)/HT4-BA35



LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCI-20-500-TLI
Dimming Type :
Trailing edge +
355° rotation and 180° tilt





Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO
Available beam angle: 12°~30°



Honey comb
DL-75-AC2



Stretching film
AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060



Long snoot
AC-8500L
Available beam angle: 12°~30°



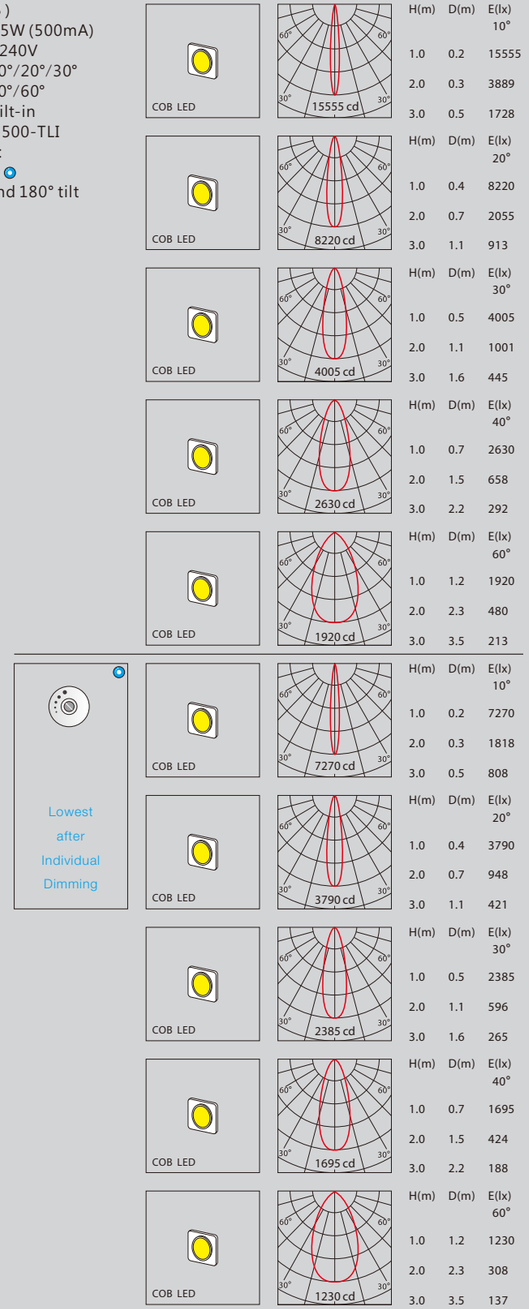
Short snoot
AC-8500S
Available beam angle: 10°~60°



Wall wash snoot
AC-8500J
Available beam angle: 40°~60°



4-leaf Barn Door
AC-8500Q



H(m)	D(m)	E(lx) 10°
1.0	0.2	15555
2.0	0.3	3889
3.0	0.5	1728

H(m)	D(m)	E(lx) 20°
1.0	0.4	8220
2.0	0.7	2055
3.0	1.1	913

H(m)	D(m)	E(lx) 30°
1.0	0.5	4005
2.0	1.1	1001
3.0	1.6	445

H(m)	D(m)	E(lx) 40°
1.0	0.7	2630
2.0	1.5	658
3.0	2.2	292

H(m)	D(m)	E(lx) 60°
1.0	1.2	1920
2.0	2.3	480
3.0	3.5	213

H(m)	D(m)	E(lx) 10°
1.0	0.2	7270
2.0	0.3	1818
3.0	0.5	808

H(m)	D(m)	E(lx) 20°
1.0	0.4	3790
2.0	0.7	948
3.0	1.1	421

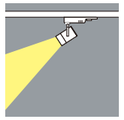
H(m)	D(m)	E(lx) 30°
1.0	0.5	2385
2.0	1.1	596
3.0	1.6	265

H(m)	D(m)	E(lx) 40°
1.0	0.7	1695
2.0	1.5	424
3.0	2.2	188

H(m)	D(m)	E(lx) 60°
1.0	1.2	1230
2.0	2.3	308
3.0	3.5	137

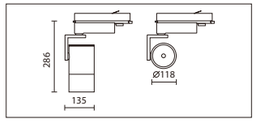


SA-8200-AD(C33)/HT4-BA70





LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCI -38-900- TLI
Dimming Type :
Trailing edge +
355° rotation and 180° tilt





Accessories



Anti-glare louver

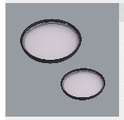
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO

Available beam angle:
12°~30°



Honey comb

DL-7-AC2



Stretching film

AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060



Long snoot

AC-8200L

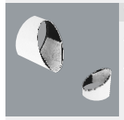
Available beam angle:
12°~30°



Short snoot

AC-8200S

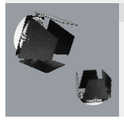
Available beam angle:
10°~60°



Wall wash snoot

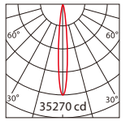
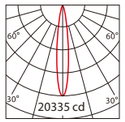
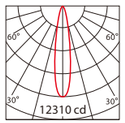
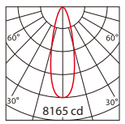
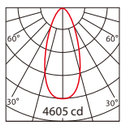
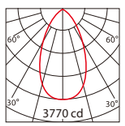
AC-8200J

Available beam angle:
40°~60°

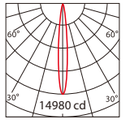
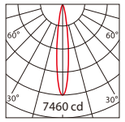
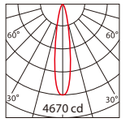
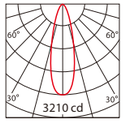
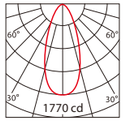
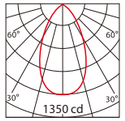


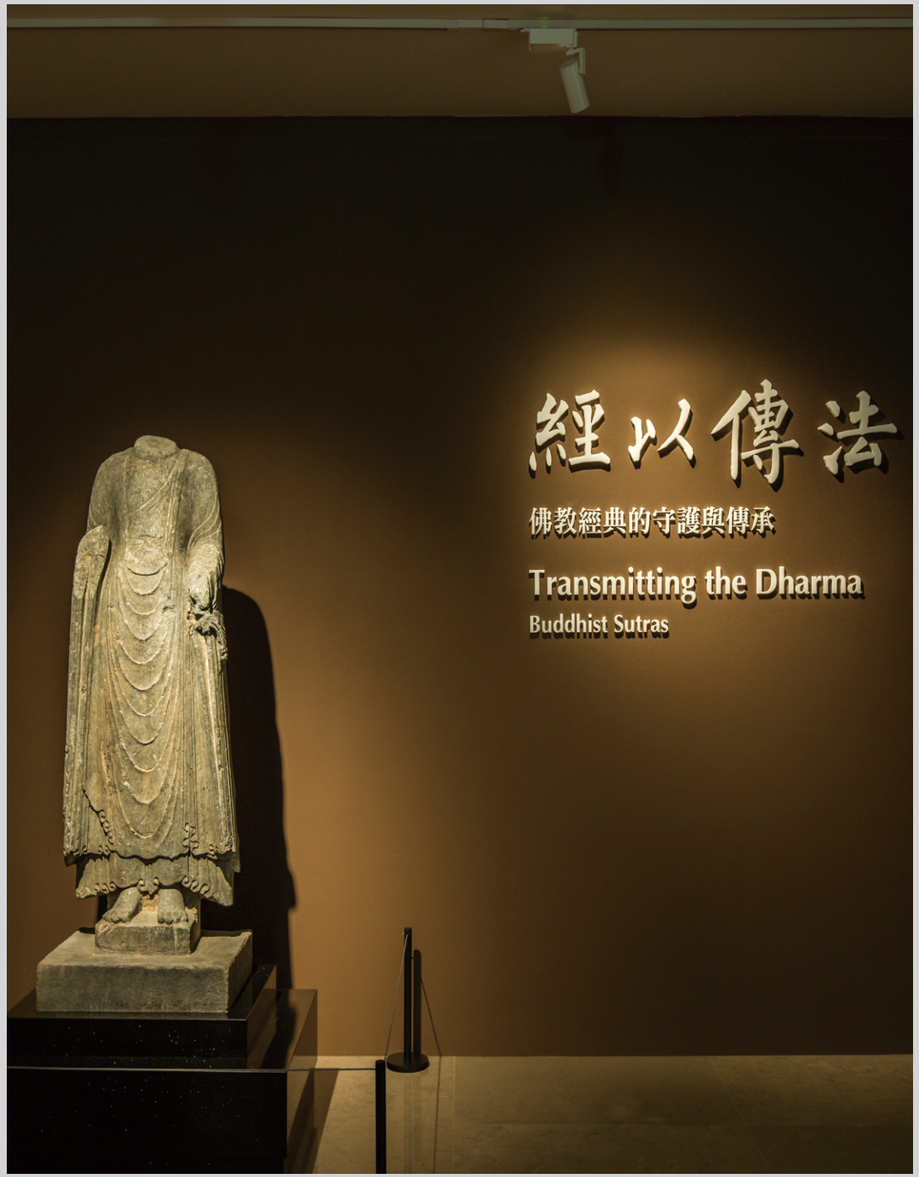
4-leaf Barn Door

AC-8200Q

COB LED		H(m)	D(m)	E(lx) 12°	
		1.0	0.2	35270	
		2.0	0.4	8818	
		3.0	0.6	3919	
COB LED		H(m)	D(m)	E(lx) 15°	
		1.0	0.3	20335	
		2.0	0.5	5084	
		3.0	0.8	2260	
COB LED		H(m)	D(m)	E(lx) 20°	
		1.0	0.4	12310	
		2.0	0.7	3078	
		3.0	1.1	1368	
COB LED		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	8165	
		2.0	1.1	2041	
		3.0	1.6	907	
COB LED		H(m)	D(m)	E(lx) 40°	
		1.0	0.8	4605	
		2.0	1.7	1151	
		3.0	2.5	512	
COB LED		H(m)	D(m)	E(lx) 60°	
		1.0	1.2	3770	
		2.0	2.3	943	
		3.0	3.5	419	

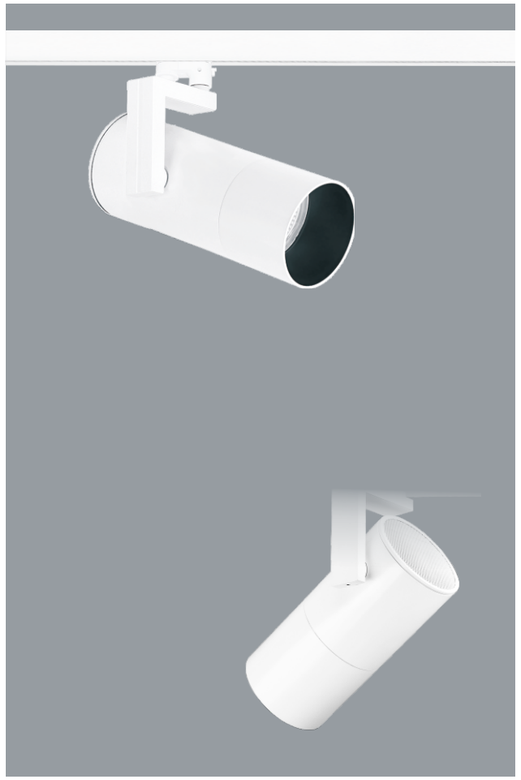


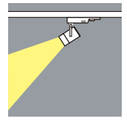
COB LED		H(m)	D(m)	E(lx) 12°	
		1.0	0.2	14980	
		2.0	0.4	3745	
		3.0	0.4	1664	
COB LED		H(m)	D(m)	E(lx) 15°	
		1.0	0.3	7460	
		2.0	0.5	1865	
		3.0	0.8	829	
COB LED		H(m)	D(m)	E(lx) 20°	
		1.0	0.4	4670	
		2.0	0.7	1168	
		3.0	1.1	519	
COB LED		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	3210	
		2.0	1.1	803	
		3.0	1.6	357	
COB LED		H(m)	D(m)	E(lx) 40°	
		1.0	0.8	1770	
		2.0	1.7	443	
		3.0	2.5	197	
COB LED		H(m)	D(m)	E(lx) 60°	
		1.0	1.2	1350	
		2.0	2.3	338	
		3.0	3.5	150	



Luminaires for track | SA-8700A Series (Built-in Driver+Systematic Dimming)

Systematic Dimming Reference P.059-062
Systematic Dimming + Individual Dimming Reference P.063-066





Features

- Integrated track light with built-in driver
- Equipped with a new patent anti-glare louver, cut-off angle > 30°
- Various optical accessories: focus, gradient, vignette, stretch, square and wall wash effects
- 10°~60° beam angle options
- Systematic: dimmable trailing edge (100%~10%)
- The stem is 355° horizontally rotatable and the body is able to tilt 180° vertically, which can be adjusted precisely for optimum beam alignment

Applications

- Accent lighting for commercial applications.



Color : WU / BK / SV LED Color : WW / NW / CW

Integrated System+Systematic Dimming



SA-8700-A(C12)/HT4-413
LED 14W(350mA)

SA-8500-A(C18)/HT4-413
LED 19.5W(500mA)

SA-8200-A(C33)/HT4-413
LED 35.5W(900mA)

Systematic Dimming + Individual Dimming



SA-8700-AD(C12)/HT4-413
LED 14W(350mA)

SA-8500-AD(C18)/HT4-413
LED 19.5W(500mA)

SA-8200-AD(C33)/HT4-413
LED 35.5W(900mA)



Simple and flexible dimming knob



TONS high quality reflectors are made of 99% high purity aluminum with mirror polish anodized finish.





With optical optimizer



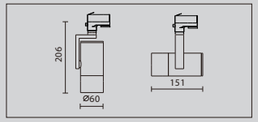
Without optical optimizer



SA-8700-A(C12)/HT4-413



LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Dimming Type : Trailing edge
355° rotation and 180° tilt





		H(m)	D(m)	E(lx) 12°
COB LED	9550 cd	1.0	0.2	9550
		2.0	0.4	2388
		3.0	0.6	1061
COB LED	4625 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	4625
		2.0	0.7	1156
		3.0	1.1	514
COB LED	2900 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	2900
		2.0	1.1	725
		3.0	1.6	322
COB LED	1700 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	1700
		2.0	1.5	425
		3.0	2.2	189
COB LED	980 cd	H(m)	D(m)	E(lx) 50°
		1.0	0.9	980
		2.0	1.9	245
		3.0	2.8	109

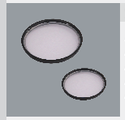
Accessories



Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Available beam angle: 12°~30°



Honey comb
DL-77-AC2



Stretching film
AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060



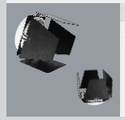
Long snoot
AC-8700L
Available beam angle: 12°~30°



Short snoot
AC-8700S
Available beam angle: 10°~50°



Wall wash snoot
AC-8700J
Available beam angle: 40°~50°



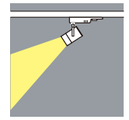
4-leaf Barn Door
AC-8700Q

Lowest after Systematic Dimming

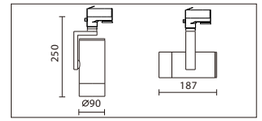
		H(m)	D(m)	E(lx) 12°
COB LED	582 cd	1.0	0.2	582
		2.0	0.4	146
		3.0	0.6	65
COB LED	395 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	395
		2.0	0.7	99
		3.0	1.1	44
COB LED	322 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	322
		2.0	1.1	81
		3.0	1.6	36
COB LED	250 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	250
		2.0	1.5	63
		3.0	2.2	28
COB LED	180 cd	H(m)	D(m)	E(lx) 50°
		1.0	0.9	180
		2.0	1.9	45
		3.0	2.8	20



SA-8500-A(C18)/HT4-413



LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCI-20-500-TR
Dimming Type : Trailing edge
355° rotation and 180° tilt





		H(m)	D(m)	E(lx) 10°
COB LED	15555 cd	1.0	0.2	15555
		2.0	0.3	3889
		3.0	0.5	1728
COB LED	8220 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	8220
		2.0	0.7	2055
		3.0	1.1	913
COB LED	4005 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	4005
		2.0	1.1	1001
		3.0	1.6	445
COB LED	2630 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	2630
		2.0	1.5	658
		3.0	2.2	292
COB LED	1920 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	1920
		2.0	2.3	480
		3.0	3.5	213

Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO
Available beam angle: 12°~30°



Honey comb
DL-75-AC2



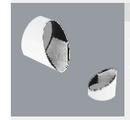
Stretching film
AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060



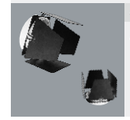
Long snoot
AC-8500L
Available beam angle: 12°~30°



Short snoot
AC-8500S
Available beam angle: 10°~60°



Wall wash snoot
AC-8500J
Available beam angle: 40°~60°



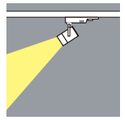
4-leaf Barn Door
AC-8500Q

Lowest after Systematic Dimming

		H(m)	D(m)	E(lx) 10°
COB LED	1130 cd	1.0	0.2	1130
		2.0	0.3	283
		3.0	0.5	126
COB LED	590 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	590
		2.0	0.7	148
		3.0	1.1	66
COB LED	370 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	370
		2.0	1.1	93
		3.0	1.6	41
COB LED	260 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	260
		2.0	1.5	65
		3.0	2.2	29
COB LED	190 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	190
		2.0	2.3	48
		3.0	3.5	21

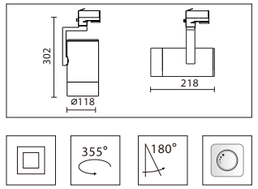


SA-8200-A(C33)/HT4-413





LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCI -38-900- TR
Dimming Type : Trailing edge
355° rotation and 180° tilt



Accessories

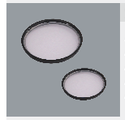


Anti-glare louver
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO

Available beam angle: 12°~30°



Honey comb
DL-7-AC2



Stretching film
AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060



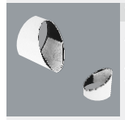
Long snoot
AC-8200L

Available beam angle: 12°~30°



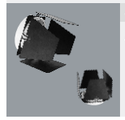
Short snoot
AC-8200S

Available beam angle: 10°~60°



Wall wash snoot
AC-8200J

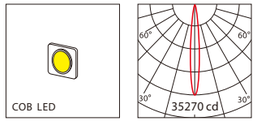
Available beam angle: 40°~60°



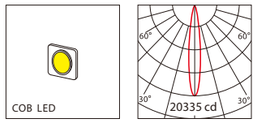
4-leaf Barn Door
AC-8200Q



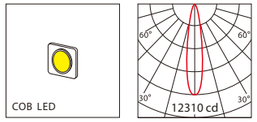
Lowest after Systematic Dimming



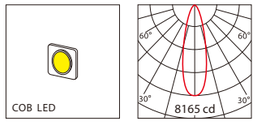
H(m)	D(m)	E(lx) 12°
1.0	0.2	35270
2.0	0.4	8818
3.0	0.6	3919



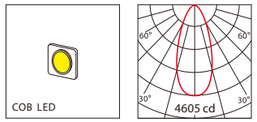
H(m)	D(m)	E(lx) 15°
1.0	0.3	20335
2.0	0.5	5084
3.0	0.8	2260



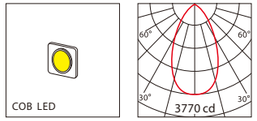
H(m)	D(m)	E(lx) 20°
1.0	0.4	12310
2.0	0.7	3078
3.0	1.1	1368



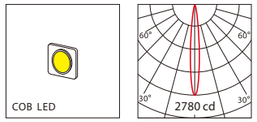
H(m)	D(m)	E(lx) 30°
1.0	0.5	8165
2.0	1.1	2041
3.0	1.6	907



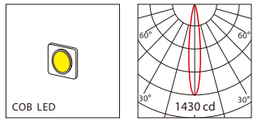
H(m)	D(m)	E(lx) 40°
1.0	0.8	4605
2.0	1.7	1151
3.0	2.5	512



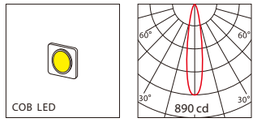
H(m)	D(m)	E(lx) 60°
1.0	1.2	3770
2.0	2.3	943
3.0	3.5	419



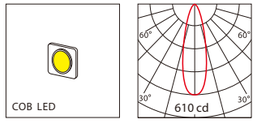
H(m)	D(m)	E(lx) 12°
1.0	0.2	2780
2.0	0.4	695
3.0	0.6	309



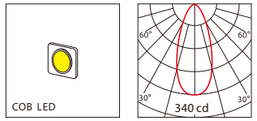
H(m)	D(m)	E(lx) 15°
1.0	0.3	1430
2.0	0.5	358
3.0	0.8	159



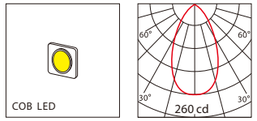
H(m)	D(m)	E(lx) 20°
1.0	0.4	890
2.0	0.7	223
3.0	1.1	99



H(m)	D(m)	E(lx) 30°
1.0	0.5	610
2.0	1.1	153
3.0	1.6	68

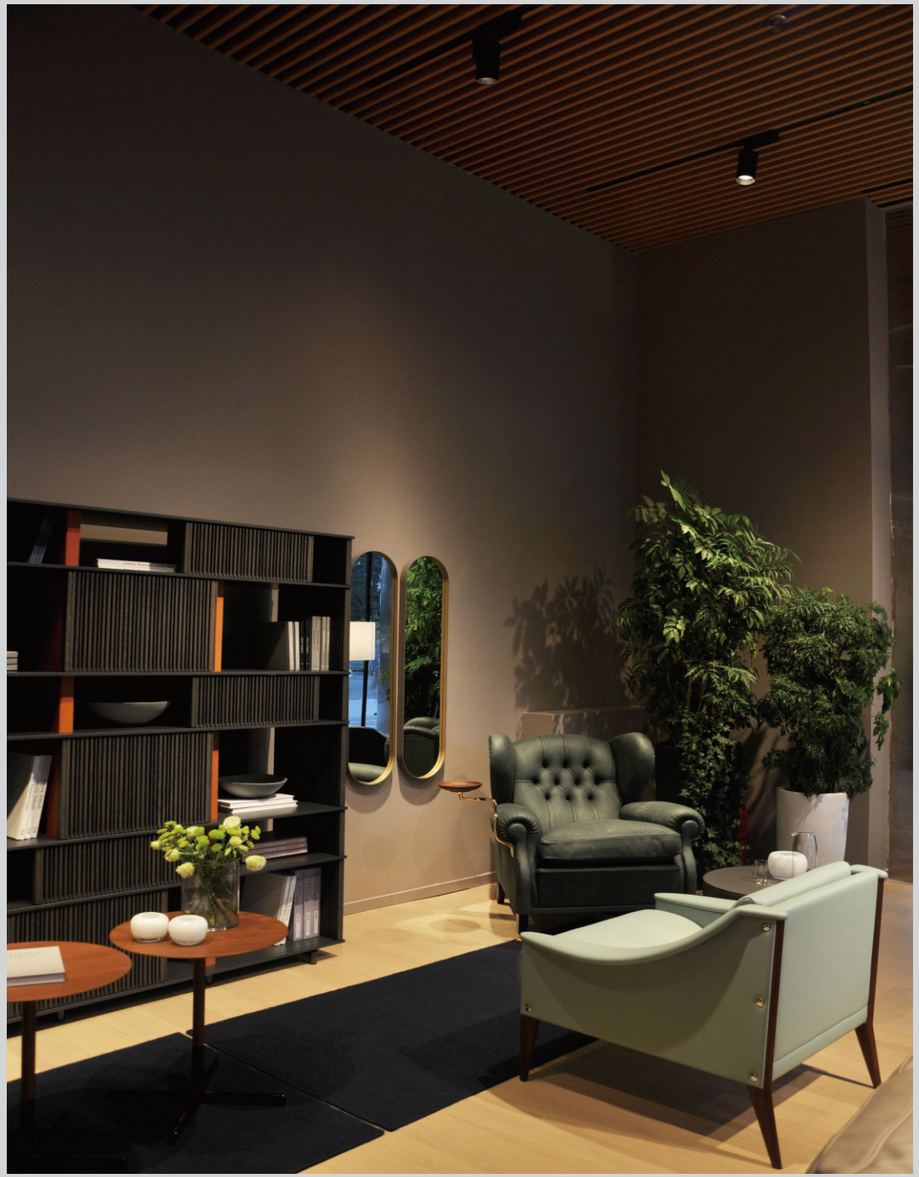


H(m)	D(m)	E(lx) 40°
1.0	0.8	340
2.0	1.7	85
3.0	2.5	38



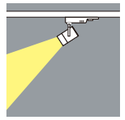
H(m)	D(m)	E(lx) 60°
1.0	1.2	260
2.0	2.3	65
3.0	3.5	29

Color : WU / BK / SV LED Color : WW / NW / CW



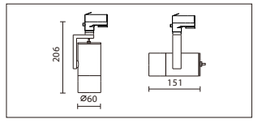


SA-8700-AD(C12)/HT4-413





LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Dimming Type :
Trailing edge +
355° rotation and 180° tilt





COB LED	9550 cd	H(m)	D(m)	E(lx) 12°
		1.0	0.2	9550
		2.0	0.4	2388
		3.0	0.6	1061
COB LED	4625 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	4625
		2.0	0.9	1156
		3.0	1.3	514
COB LED	2900 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	2900
		2.0	1.1	725
		3.0	1.6	322
COB LED	1700 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	1700
		2.0	1.5	425
		3.0	2.2	189
COB LED	980 cd	H(m)	D(m)	E(lx) 50°
		1.0	0.9	980
		2.0	1.9	245
		3.0	2.8	109

Lowest after Individual Dimming

COB LED	6685 cd	H(m)	D(m)	E(lx) 12°
		1.0	0.2	6685
		2.0	0.4	1671
		3.0	0.6	743
COB LED	3235 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	3235
		2.0	0.7	809
		3.0	1.1	359
COB LED	2030 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	2030
		2.0	1.1	508
		3.0	1.6	226
COB LED	1190 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	1190
		2.0	1.5	298
		3.0	2.2	132
COB LED	685 cd	H(m)	D(m)	E(lx) 50°
		1.0	0.9	685
		2.0	1.9	171
		3.0	2.8	76

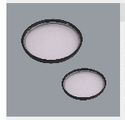
Accessories



Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Available beam angle: 12°~30°



Honey comb
DL-77-AC2



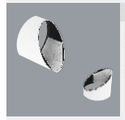
Stretching film
AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060



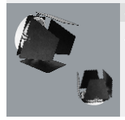
Long snoot
AC-8700L
Available beam angle: 12°~30°



Short snoot
AC-8700S
Available beam angle: 10°~50°



Wall wash snoot
AC-8700J
Available beam angle: 40°~50°



4-leaf Barn Door
AC-8700Q

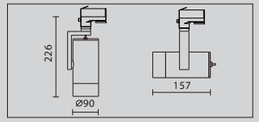


SA-8500-AD(C18)/HT4-413





LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCI-20-500-TLI
Dimming Type :
Trailing edge +
355° rotation and 180° tilt





COB LED	15555 cd	H(m)	D(m)	E(lx) 10°
		1.0	0.2	15555
		2.0	0.3	3889
		3.0	0.5	1728
COB LED	8220 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	8220
		2.0	0.7	2055
		3.0	1.1	913
COB LED	4005 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	4005
		2.0	1.1	1001
		3.0	1.6	445
COB LED	2630 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	2630
		2.0	1.5	658
		3.0	2.2	292
COB LED	1920 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	1920
		2.0	2.3	480
		3.0	3.5	213

Lowest after Individual Dimming

COB LED	7270 cd	H(m)	D(m)	E(lx) 10°
		1.0	0.2	7270
		2.0	0.3	1818
		3.0	0.5	808
COB LED	3790 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	3790
		2.0	0.7	948
		3.0	1.1	421
COB LED	2385 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	2385
		2.0	1.1	596
		3.0	1.6	265
COB LED	1695 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	1695
		2.0	1.5	424
		3.0	2.2	188
COB LED	1230 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	1230
		2.0	2.3	308
		3.0	3.5	137

Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO
Available beam angle: 12°~30°



Honey comb
DL-75-AC2



Stretching film
AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060



Long snoot
AC-8500L
Available beam angle: 12°~30°



Short snoot
AC-8500S
Available beam angle: 10°~60°



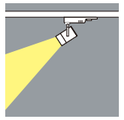
Wall wash snoot
AC-8500J
Available beam angle: 40°~60°



4-leaf Barn Door
AC-8500Q

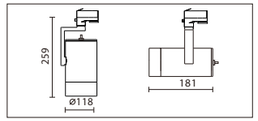


SA-8200-AD(C33)/HT4-413





LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCI -38-900- TLI
Dimming Type :
Trailing edge +
355° rotation and 180° tilt





Accessories



Anti-glare louver

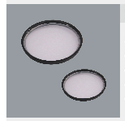
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO

Available beam angle:
12°~30°



Honey comb

DL-7-AC2



Stretching film

AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060



Long snoot

AC-8200L

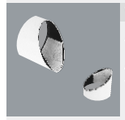
Available beam angle:
12°~30°



Short snoot

AC-8200S

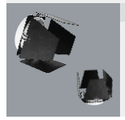
Available beam angle:
10°~60°



Wall wash snoot

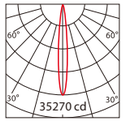
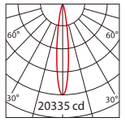
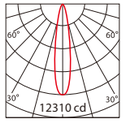
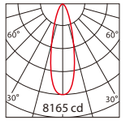
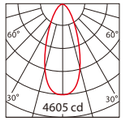
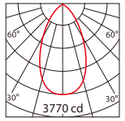
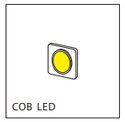
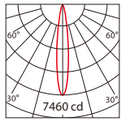
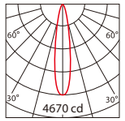
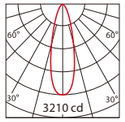
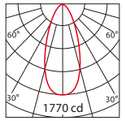
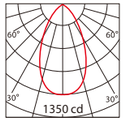
AC-8200J

Available beam angle:
40°~60°



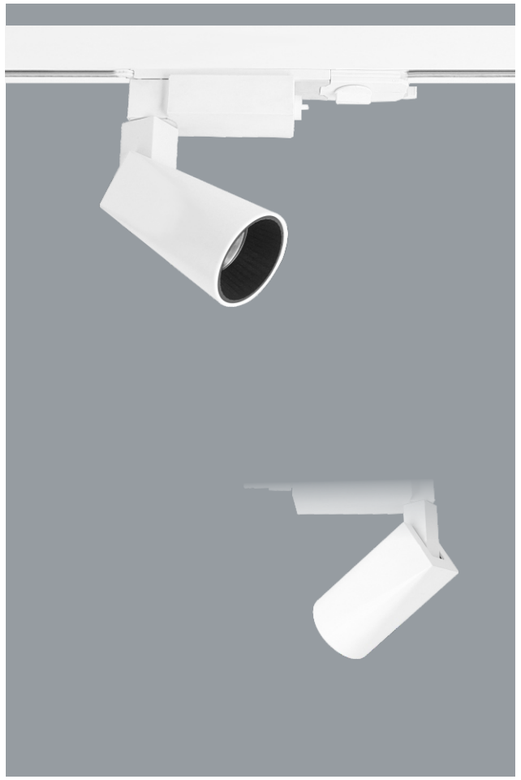
4-leaf Barn Door

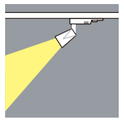
AC-8200Q

		H(m)	D(m)	E(lx) 12°	
		1.0	0.2	35270	
		2.0	0.4	8818	
		3.0	0.6	3919	
		H(m)	D(m)	E(lx) 15°	
		1.0	0.3	20335	
		2.0	0.5	5084	
		3.0	0.8	2260	
		H(m)	D(m)	E(lx) 20°	
		1.0	0.4	12310	
		2.0	0.7	3078	
		3.0	1.1	1368	
		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	8165	
		2.0	1.1	2041	
		3.0	1.6	907	
		H(m)	D(m)	E(lx) 40°	
		1.0	0.8	4605	
		2.0	1.7	1151	
		3.0	2.5	512	
		H(m)	D(m)	E(lx) 60°	
		1.0	1.2	3770	
		2.0	2.3	943	
		3.0	3.5	419	
		H(m)	D(m)	E(lx) 12°	
		1.0	0.2	14980	
		2.0	0.4	3745	
		3.0	0.6	1664	
		H(m)	D(m)	E(lx) 15°	
		1.0	0.3	7460	
		2.0	0.5	1865	
		3.0	0.8	829	
		H(m)	D(m)	E(lx) 20°	
		1.0	0.4	4670	
		2.0	0.7	1168	
		3.0	1.1	519	
		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	3210	
		2.0	1.1	803	
		3.0	1.6	357	
		H(m)	D(m)	E(lx) 40°	
		1.0	0.8	1770	
		2.0	1.7	443	
		3.0	2.5	197	
		H(m)	D(m)	E(lx) 60°	
		1.0	1.2	1350	
		2.0	2.3	338	
		3.0	3.5	150	

Lowest after Individual Dimming







Features

- Equipped with a new patent anti-glare louver, cut-off angle > 30°
- Various optical accessories: focus, gradient, vignette, stretch, square and wall wash effects
- Built-in driver, 10°~60° beam angle options
- Systematic: dimmable trailing edge (100%~10%)
- Systematic + Individual: dimmable trailing edge (100%~10%) + tuning knob on the luminaire (100%~30%)
- The stem is 355° horizontally rotatable and the body is able to tilt 180° vertically, which can be adjusted precisely for optimum beam alignment
- An oriental Zen beauty of accent lighting, the ratio blends the track light into the wall edge which remains the ceiling looks tidy

Applications

- Accent lighting for high-end exhibition and commercial applications.





SA-9700A(C12)/HT4-BA40
LED 14W(350mA)

SA-9500A(C18)/HT4-BA60
LED 19.5W(500mA)

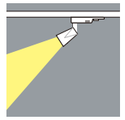
SA-9200A(C33)/HT4-BA80
LED 35.5W(900mA)



A geometrical shape merges into architecture

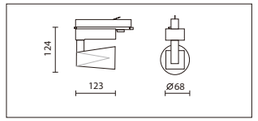


SA-9700A(C12)/HT4-BA40





LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LCI-14-350-TL
Dimming Type : Trailing edge
355° rotation and 90° tilt





Accessories

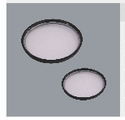


Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO

Available beam angle:
12°~30°



Honey comb
DL-77-AC2



Stretching film
AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060



Lowest after Systematic Dimming



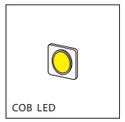
H(m)	D(m)	E(lx) 12°
1.0	0.2	9550
2.0	0.4	2388
3.0	0.6	1061



H(m)	D(m)	E(lx) 20°
1.0	0.4	4625
2.0	0.7	1156
3.0	1.1	514



H(m)	D(m)	E(lx) 30°
1.0	0.5	2900
2.0	1.1	725
3.0	1.6	322



H(m)	D(m)	E(lx) 40°
1.0	0.7	1700
2.0	1.5	425
3.0	2.2	189



H(m)	D(m)	E(lx) 50°
1.0	0.9	980
2.0	1.9	245
3.0	2.8	109



H(m)	D(m)	E(lx) 12°
1.0	0.2	582
2.0	0.4	146
3.0	0.6	65



H(m)	D(m)	E(lx) 20°
1.0	0.4	395
2.0	0.7	99
3.0	1.1	44



H(m)	D(m)	E(lx) 30°
1.0	0.5	322
2.0	1.1	81
3.0	1.6	36



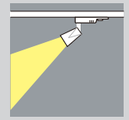
H(m)	D(m)	E(lx) 40°
1.0	0.7	250
2.0	1.5	63
3.0	2.2	28



H(m)	D(m)	E(lx) 50°
1.0	0.9	180
2.0	1.9	45
3.0	2.8	20

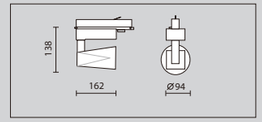


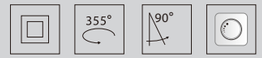
SA-9500A(C18)/HT4-BA60





LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCI-14-350-TL
Dimming Type : Trailing edge
355° rotation and 90° tilt





Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO

Available beam angle:
12°~30°



Honey comb
DL-75-AC2



Stretching film
AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060



Lowest after Systematic Dimming



H(m)	D(m)	E(lx) 10°
1.0	0.2	15555
2.0	0.3	3889
3.0	0.5	1728



H(m)	D(m)	E(lx) 20°
1.0	0.4	8220
2.0	0.7	2055
3.0	1.1	913



H(m)	D(m)	E(lx) 30°
1.0	0.5	4005
2.0	1.1	1001
3.0	1.6	445



H(m)	D(m)	E(lx) 40°
1.0	0.7	2630
2.0	1.5	658
3.0	2.2	292



H(m)	D(m)	E(lx) 60°
1.0	1.2	1920
2.0	2.3	480
3.0	3.5	213



H(m)	D(m)	E(lx) 10°
1.0	0.2	1130
2.0	0.3	283
3.0	0.5	126



H(m)	D(m)	E(lx) 20°
1.0	0.4	590
2.0	0.7	148
3.0	1.1	66



H(m)	D(m)	E(lx) 30°
1.0	0.5	370
2.0	1.1	93
3.0	1.6	41



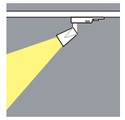
H(m)	D(m)	E(lx) 40°
1.0	0.7	260
2.0	1.5	65
3.0	2.2	29



H(m)	D(m)	E(lx) 60°
1.0	1.2	190
2.0	2.3	48
3.0	3.5	21

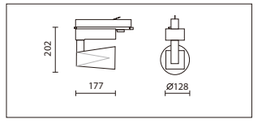


SA-9200A(C33)/HT4-BA80





LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCI-38-900-TL
Dimming Type : Trailing edge
355° rotation and 90° tilt





Accessories



Anti-glare louver

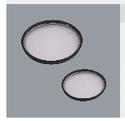
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO

Available beam angle:
12°~30°



Honey comb

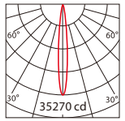
DL-7-AC2



Stretching film

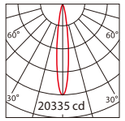
AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060





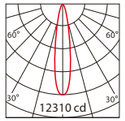
H(m)	D(m)	E(lx) 12°
1.0	0.2	35270
2.0	0.4	8818
3.0	0.6	3919



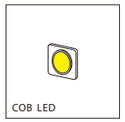


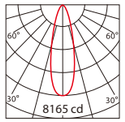
H(m)	D(m)	E(lx) 15°
1.0	0.3	20335
2.0	0.5	5084
3.0	0.8	2260





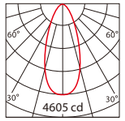
H(m)	D(m)	E(lx) 20°
1.0	0.4	12310
2.0	0.7	3078
3.0	1.1	1368





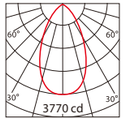
H(m)	D(m)	E(lx) 30°
1.0	0.5	8165
2.0	1.1	2041
3.0	1.6	907





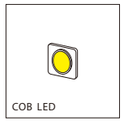
H(m)	D(m)	E(lx) 40°
1.0	0.8	4605
2.0	1.7	1151
3.0	2.5	512

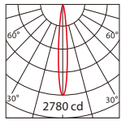




H(m)	D(m)	E(lx) 60°
1.0	1.2	3770
2.0	2.3	943
3.0	3.5	419

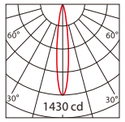
Lowest after Systematic Dimming





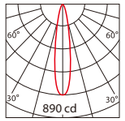
H(m)	D(m)	E(lx) 12°
1.0	0.2	2780
2.0	0.4	695
3.0	0.6	309





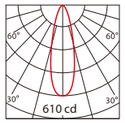
H(m)	D(m)	E(lx) 15°
1.0	0.3	1430
2.0	0.5	358
3.0	0.8	159



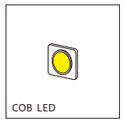


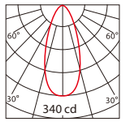
H(m)	D(m)	E(lx) 20°
1.0	0.4	890
2.0	0.7	223
3.0	1.1	99





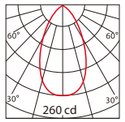
H(m)	D(m)	E(lx) 30°
1.0	0.5	610
2.0	1.1	153
3.0	1.6	68





H(m)	D(m)	E(lx) 40°
1.0	0.8	340
2.0	1.7	85
3.0	2.5	38

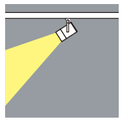




H(m)	D(m)	E(lx) 60°
1.0	1.2	260
2.0	2.3	65
3.0	3.5	29







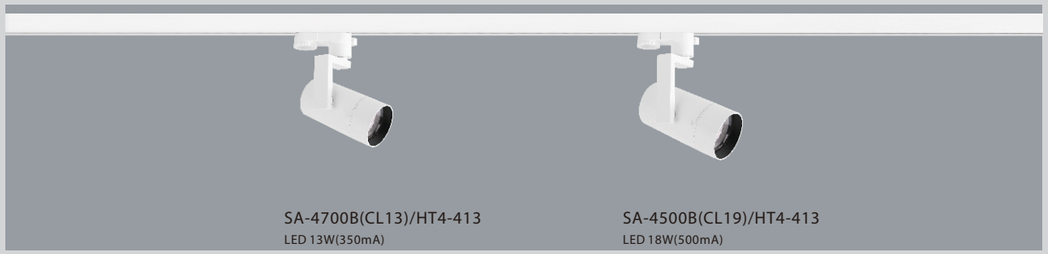
Features

- Rotate the focusing module inwardly to switch beams, without any change in appearance and length of the light head
- Light beam switchable from 25° ~ 60° in 3 clicks
- Guarantees 85% high efficiency light distribution after changing the beam angles
- The stem is 355° horizontally rotatable and the body is able to tilt 180° vertically, which can be adjusted precisely for optimum beam alignment

Applications

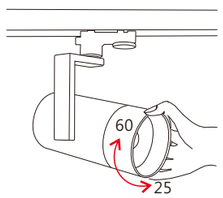
- Accent & general lighting for optical zoom needs applications such as high-end retail and residential spaces.





SA-4700B(CL13)/HT4-413
LED 13W(350mA)

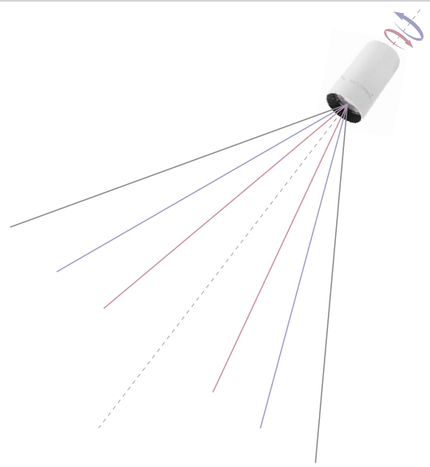
SA-4500B(CL19)/HT4-413
LED 18W(500mA)



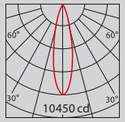
Adjustable light beam

60°
Max. focus

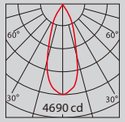
25°
Min. focus



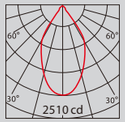
SA-4500B



LED 18W (500mA)
25°

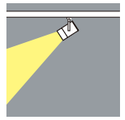


LED 18W (500mA)
40°



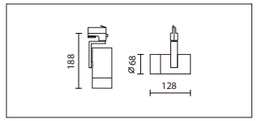
LED 18W (500mA)
60°





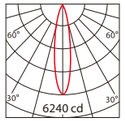
LED : LED (COB)
Power : LED 13W (350mA)
Input : AC 100-277V
Beam Angle : 25°~60°
Driver Type : Built-in
Driver : LSC20W350P
355° rotation and 180° tilt

SA-4700B(CL13)/HT4-413

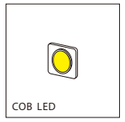


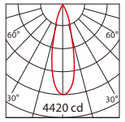




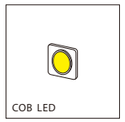


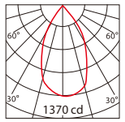
H(m)	D(m)	E(lx) 25°
1.0	0.4	6240
2.0	0.9	1560
3.0	1.3	693





H(m)	D(m)	E(lx) 40°
1.0	0.7	4420
2.0	1.5	1105
3.0	2.2	491





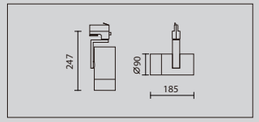
H(m)	D(m)	E(lx) 60°
1.0	1.2	1370
2.0	2.3	343
3.0	3.5	152





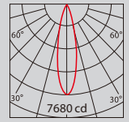
LED : LED (COB)
Power : LED 18W (500mA)
Input : AC 100-277V
Beam Angle : 25°~60°
Driver Type : Built-in
Driver : LSC20W500HP
355° rotation and 180° tilt

SA-4500B(CL19)/HT4-413



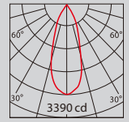






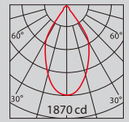
H(m)	D(m)	E(lx) 25°
1.0	0.4	7680
2.0	0.9	1920
3.0	1.3	853



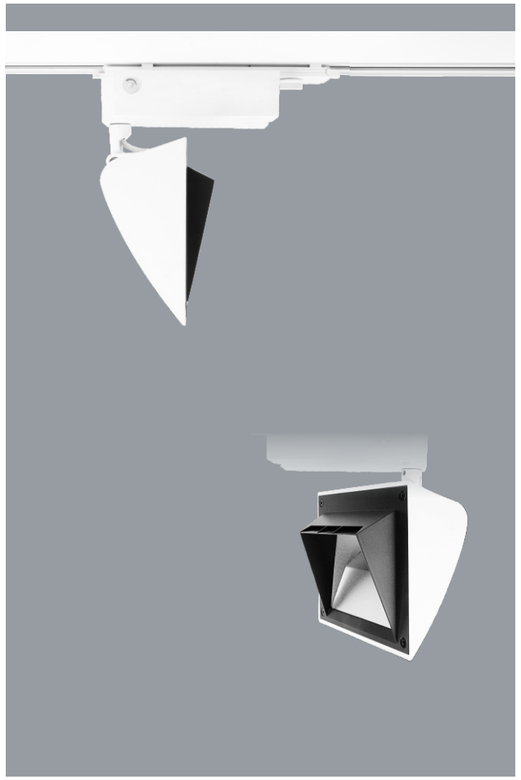


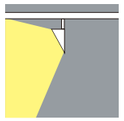
H(m)	D(m)	E(lx) 40°
1.0	0.7	3390
2.0	1.5	848
3.0	2.2	378

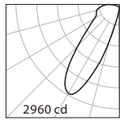




H(m)	D(m)	E(lx) 60°
1.0	1.2	1870
2.0	2.3	468
3.0	3.5	208







Features

- Asymmetrical light distribution, wash highly uniform luminance from upward to downward wall
- Suitable for ceiling height from 3 to 5.5 meters
- Systematic + Individual: dimmable trailing edge (100%~10%) + tuning knob on the luminaire (100%~30%)
- The stem is 355° horizontally rotatable and the body is able to tilt 90° vertically

Applications

- Wash evenly the walls of exhibitions or commercial spaces.



SH-523C(C33)/HT4-BA70
LED 35.5W(900mA)
Systematic Dimming

SH-523C-D(C33)/HT4-BA70
LED 35.5W(900mA)
Systematic Dimming
+ Individual Dimming

SH-523C(C40)/HT4-BA70
LED 40W(1050mA)
Systematic Dimming



Lighting Effect

The object can be washed evenly by a small amount of luminaires

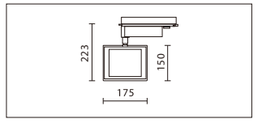


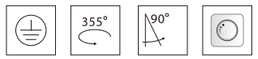


SH-523C(C33)/HT4-BA70



LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Driver Type : Built-in
Driver : LCI-38-900-TL
Dimming Type : Trailing edge
355° rotation and 90° tilt

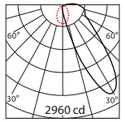


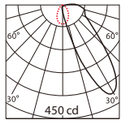












C90-270 ·····
C0-180 ——

H(m)	E(lx)
1.0	2960
2.0	740
3.0	329

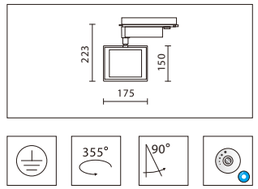
H(m)	E(lx)
1.0	450
2.0	113
3.0	50



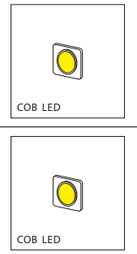
SH-523C-D(C33)/HT4-BA70

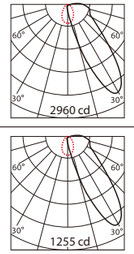


LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Driver Type : Built-in
Driver : LCI-38-900-TLI
Dimming Type :
Trailing edge + ◉
355° rotation and 90° tilt









C90-270 ·····
C0-180 ——

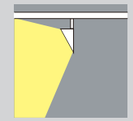
H(m)	E(lx)
1.0	2960
2.0	740
3.0	329

H(m)	E(lx)
1.0	1255
2.0	314
3.0	139

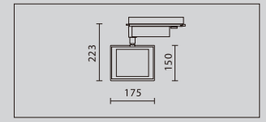




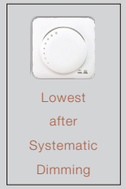
SH-523C(C40)/HT4-BA70



LED : LED (COB)
Power : LED 40W(1050mA)
Input : AC 220-240V
Driver Type : Built-in
Driver : LCI-48-1100-TL
Dimming Type : Trailing edge
355° rotation and 90° tilt

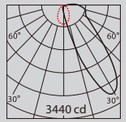


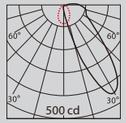










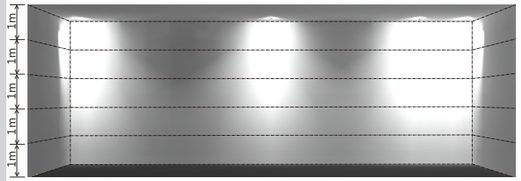


C90-270 ·····
C0-180 ——

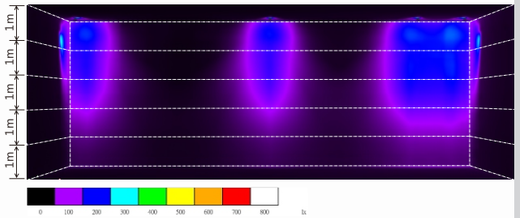
H(m)	E(lx)
1.0	3440
2.0	860
3.0	382

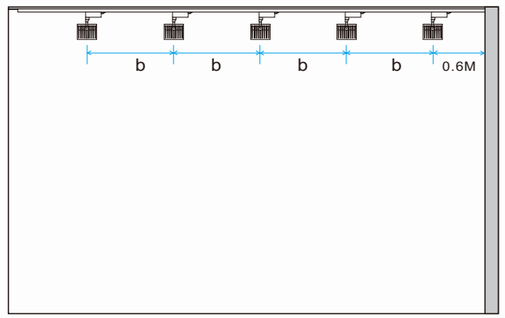
H(m)	E(lx)
1.0	500
2.0	125
3.0	56

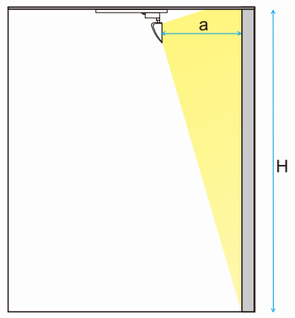
3D Rendering



Simulation







SH-523C Application

Suggested applications Height and Spacing a=1/3H b=a x 1.0

H	3M	3.5M	4M	5M	5.5M
a	1M	1.2M	1.3M	1.6M	1.8M
b	1M	1.2M	1.3M	1.6M	1.8M



Features

- An upgrade, asymmetrical light distribution for highly uniform wall washing
- Suitable for ceiling height from 3 to 6 meters
  SL-623C: ceiling height below 4 meters
  SL-625C: ceiling height from 4 to 6 meters
- Dimming Switch:
  switch to light-emitting side (clockwise)
  = Systematic + Individual Dimming
  switch to backside (counterclockwise)
  = Individual Dimming ONLY
- SL-623C
  switch to light-emitting side (clockwise)
  = Systematic (100%~10%) + Individual (100%~37%)
  switch to backside (counterclockwise)
  = Individual Dimming ONLY (100%~18%)
- SL-625C
  switch to light-emitting side (clockwise)
  = Systematic (100%~10%) + Individual (100%~27%)
  switch to backside (counterclockwise)
  = Individual Dimming ONLY (100%~11%)
- The stem is 355° horizontally rotatable and the body is able to tilt 90° vertically

Applications

- Applicable to exhibit walls of museums and galleries, which can evenly brighten up the spaces.



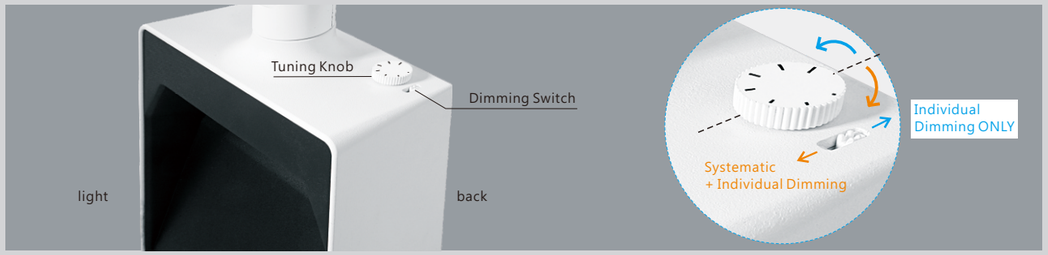


Systematic Dimming + Individual Dimming



Individual Dimming Function

Dimming Switch:
switch to backside (counterclockwise) = Individual Dimming ONLY
switch to light-emitting side (clockwise) = Systematic + Individual Dimming





SL-623C
Dual : switch to light-emitting side (clockwise)
= Systematic (100%~10%) + Individual (100%~37%)
Single : switch to backside (counterclockwise)
= Individual Dimming ONLY (100%~18%)



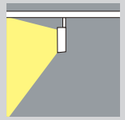
SL-625C
Dual : switch to light-emitting side (clockwise)
= Systematic (100%~10%) + Individual (100%~27%)
Single : switch to backside (counterclockwise)
= Individual Dimming ONLY (100%~11%)

Trailing Edge Systematic Dimming

Tuning Knob

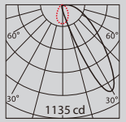
Dimming Switch





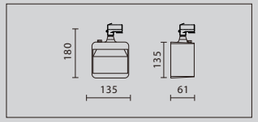
LED : LED (COB)
Power : LED 24W (600mA)
Input : AC 220-240V
Driver Type : Built-in
Driver : LCI-24-600-TLI
Dimming Type :
Trailing edge +
355° rotation





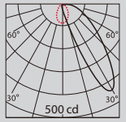
H(m)	E(lx)
1.0	1135
2.0	284
3.0	126

SL-623C(O22)/HT4-413







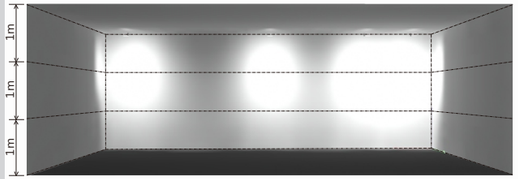


H(m)	E(lx)
1.0	500
2.0	125
3.0	56

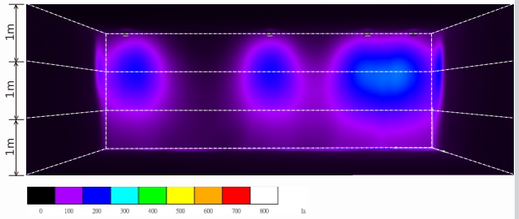
C90-270 ·····
C0-180 ——

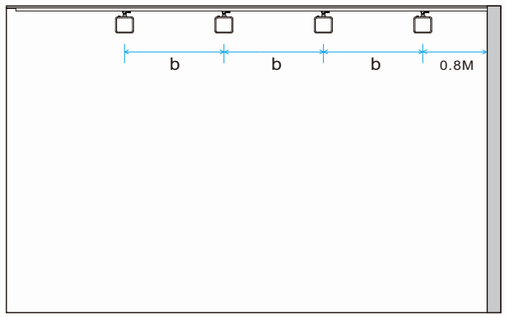


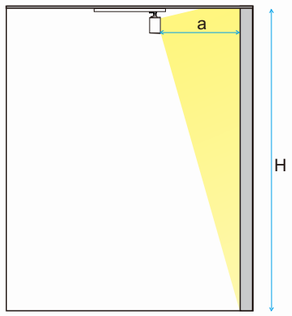
3D Rendering



Simulation





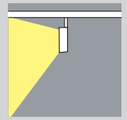


SL-623C Application

Suggested applications Height and Spacing
a=1/3H b=a x 1.2

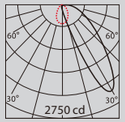
H	3M	3.5M	4M
a	1.0M	1.2M	1.3M
b	1.2M	1.4M	1.6M





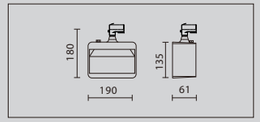
LED : LED (COB)
Power : LED 40W (1050mA)
Input : AC 220-240V
Driver Type : Built-in
Driver : LCI-48-1100-TLI
Dimming Type :
Trailing edge +
355° rotation





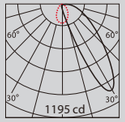
H(m)	E(lx)
1.0	2750
2.0	688
3.0	306

SL-625C(O40)/HT4-413









H(m)	E(lx)
1.0	1195
2.0	299
3.0	132

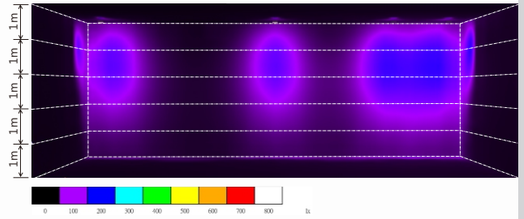
C90-270 ·····
C0-180 ——

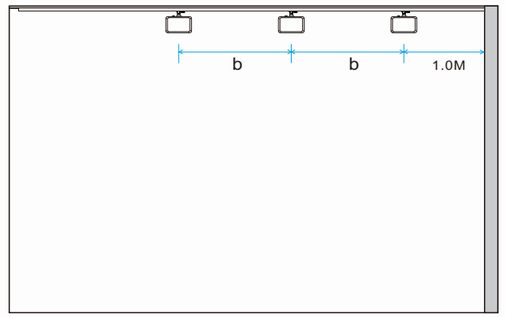


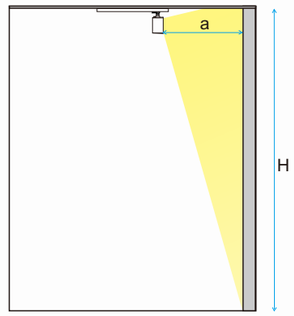
3D Rendering



Simulation





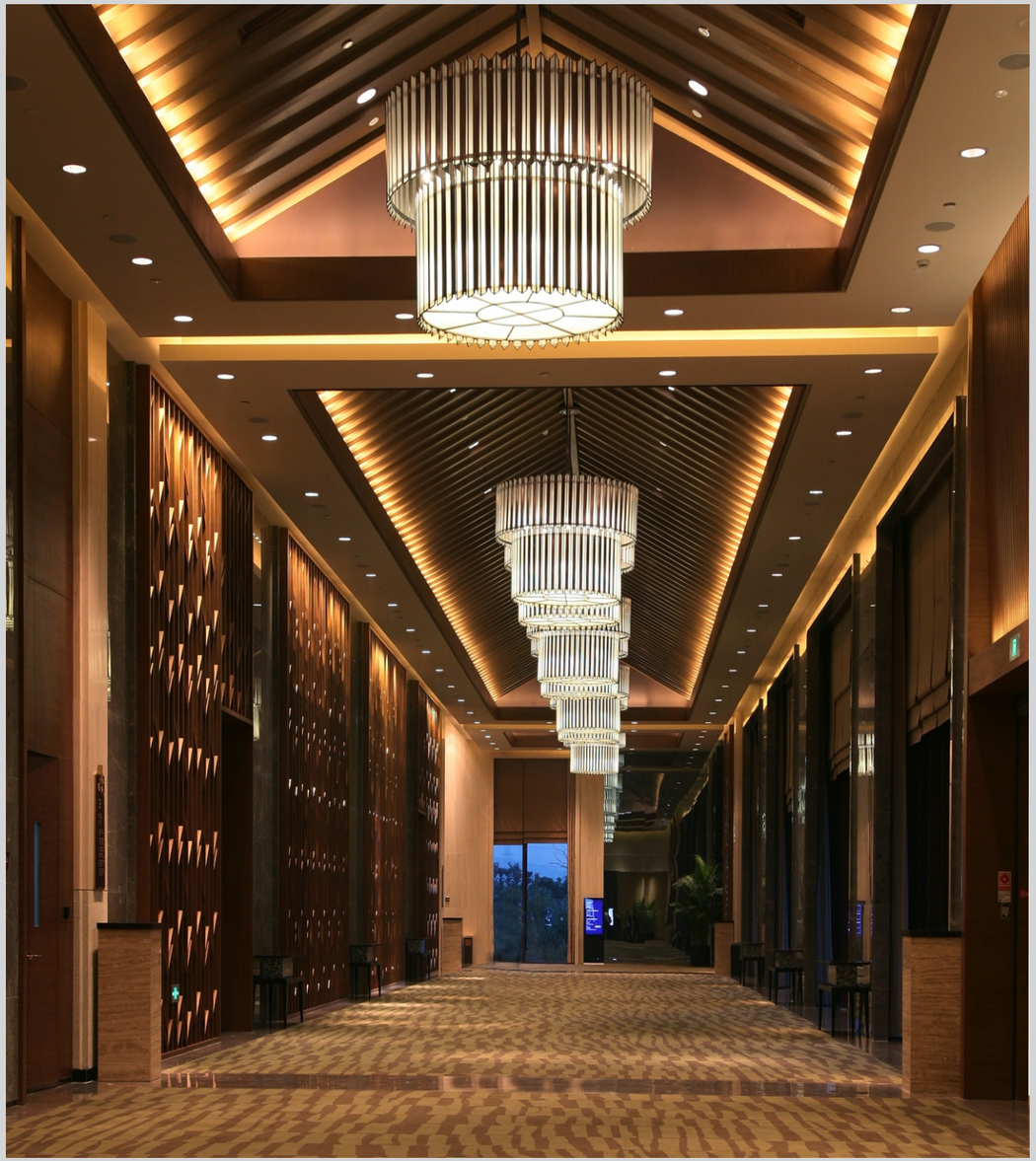


SL-625C Application

Suggested applications Height and Spacing a=1/3H b=a x 1.3

H	3M	4M	5M	5.5M	6M
a	1.0M	1.3M	1.6M	1.8M	2.0M
b	1.3M	1.7M	2.1M	2.3M	2.6M

Recessed Ceiling Luminaires



	Model	Page
 	DA-933R Series	P. 089
 	DG-933R Series	P. 093
 	DA-993R Series	P. 097
 	DG-993R Series	P. 101
	DW-980 Series	P. 105
 	DG-982W Series	P. 109
 	DW-980W Series	P. 113
 	DG-933S Series	P. 119
 	DG-981S Series	P. 123
 	DW-982S Series	P. 127
 	DD-982S Series	P. 131

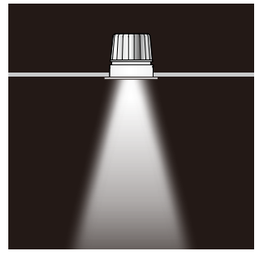
Recessed Downlights-Round





DA Series
Accent Lighting

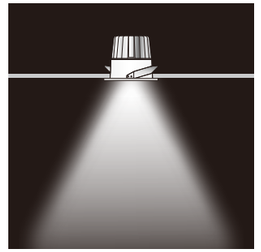






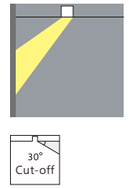
DG Series
General Lighting

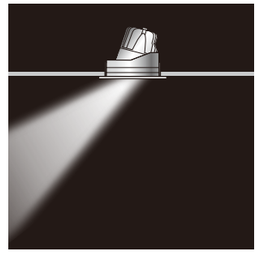


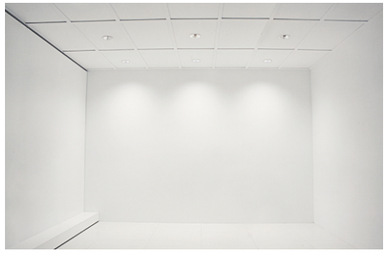




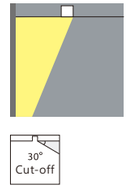
DW Series
Accent Lighting
(by the wall)





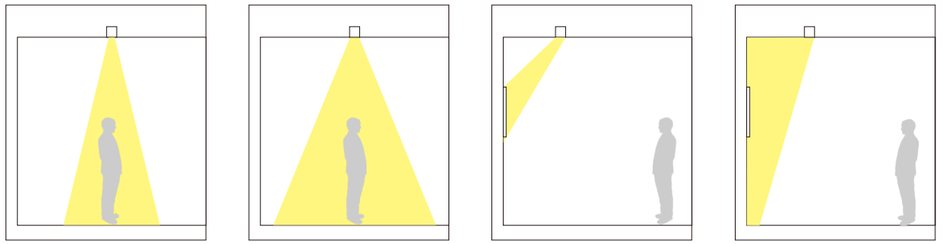


DL Series
Recessed Wallwasher











Features

- IP44, suitable for moist environments
- 30° cut-off angle, good visual comfort with high luminous efficiency
- Accent lighting in an appearance of general lighting fixture
- Mellow and even light output filtered by a special optical diffuser

Applications

- Accent or general lighting for exhibitions and commercial applications.

30°
Cut-off

IP44





DA-933R(C7)
LED 9.5W(450mA)
ø75



DA-934R(C12)
LED 14W(350mA)
ø100



DA-935R(C15)
LED 13W(350mA)
ø125



DA-936R(C18)
LED 19.5W(500mA)
ø150



DA-937R(C25)
LED 28W(700mA)
ø175



DA-938R(C33)
LED 35.5W(900mA)
ø200

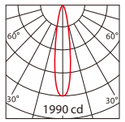




LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LIC9W450-Z

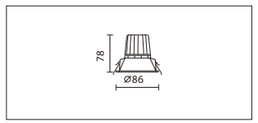




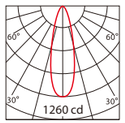


H(m)	D(m)	E(lx) 20°
1.0	0.4	1990
2.0	0.7	498
3.0	1.1	221

DA-933R(C7)







H(m)	D(m)	E(lx) 30°
1.0	0.5	1260
2.0	1.1	315
3.0	1.6	140



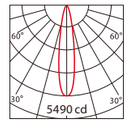




LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-20-500-TL

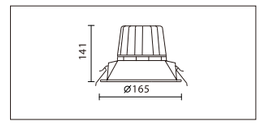


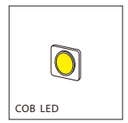


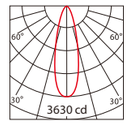


H(m)	D(m)	E(lx) 20°
1.0	0.4	5490
2.0	0.7	1373
3.0	1.1	610

DA-936R(C18)



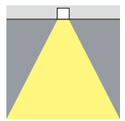




H(m)	D(m)	E(lx) 30°
1.0	0.5	3630
2.0	1.1	908
3.0	1.6	403

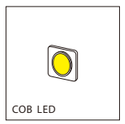


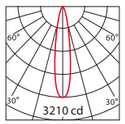




LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-14-350-TL

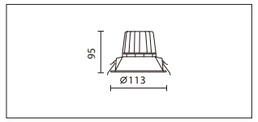


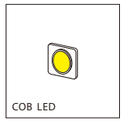


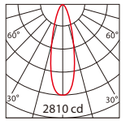


H(m)	D(m)	E(lx) 20°
1.0	0.4	3210
2.0	0.7	803
3.0	1.1	357

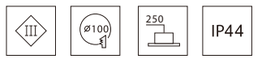
DA-934R(C12)



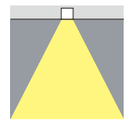




H(m)	D(m)	E(lx) 30°
1.0	0.5	2810
2.0	1.1	703
3.0	1.6	312



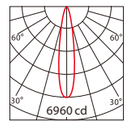




LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-30-0700-NLE

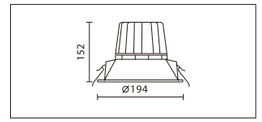


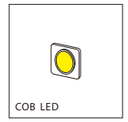


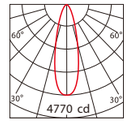


H(m)	D(m)	E(lx) 20°
1.0	0.4	6960
2.0	0.7	1740
3.0	1.1	773

DA-937R(C25)



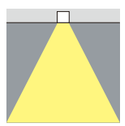




H(m)	D(m)	E(lx) 30°
1.0	0.5	4770
2.0	1.1	1193
3.0	1.6	530

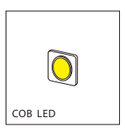






LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-14-350-TL





H(m)	D(m)	E(lx) 20°
1.0	0.4	4470
2.0	0.7	1118
3.0	1.1	497

DA-935R(C15)

H(m)	D(m)	E(lx) 30°
1.0	0.5	3305
2.0	1.1	826
3.0	1.6	367

LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-38-900-TL

H(m)	D(m)	E(lx) 20°
1.0	0.4	13660
2.0	0.7	3415
3.0	1.1	1518

DA-938R(C33)

H(m)	D(m)	E(lx) 30°
1.0	0.5	10750
2.0	1.1	2688
3.0	1.6	1194



Features

- IP44, suitable for moist environments
- Wide beam, as general lighting
- 30° cut-off angle, good visual comfort with high luminous efficiency
- Optional sizes for different ceiling height requirements
- Mellow and even light output filtered by a special optical diffuser

Applications

- General lighting for exhibitions and commercial applications.





DG-933R(C7)
LED 9.5W(450mA)
ø75



DG-934R(C12)
LED 14W(350mA)
ø100



DG-935R(C15)
LED 13W(350mA)
ø125



DG-936R(C18)
LED 19.5W(500mA)
ø150



DG-937R(C25)
LED 28W(700mA)
ø175



DG-938R(C33)
LED 35.5W(900mA)
ø200

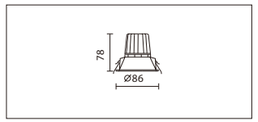




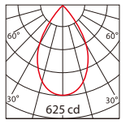
LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 60°
Driver Type : Independent
Driver : LIC9W450-Z



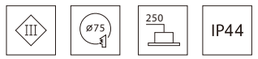
DG-933R(C7)







H(m)	D(m)	E(lx) 60°
1.0	1.2	625
2.0	2.3	156
3.0	3.5	69



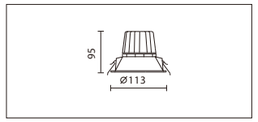


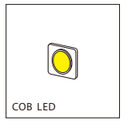


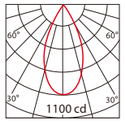
LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 50°
Driver Type : Independent
Driver : LCD-14-350-TL



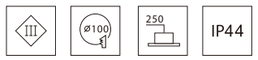
DG-934R(C12)



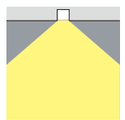




H(m)	D(m)	E(lx) 50°
1.0	0.9	1100
2.0	1.9	275
3.0	2.8	122



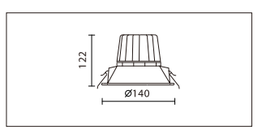


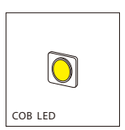


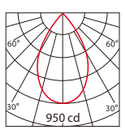
LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 220-240V
Beam Angle : 60°
Driver Type : Independent
Driver : LCD-14-350-TL



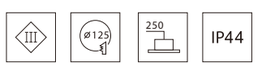
DG-935R(C15)







H(m)	D(m)	E(lx) 60°
1.0	1.2	950
2.0	2.3	237
3.0	3.5	105



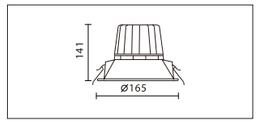




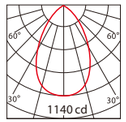
LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 60°
Driver Type : Independent
Driver : LCD-20-500-TL



DG-936R(C18)







H(m)	D(m)	E(lx) 60°
1.0	1.2	1140
2.0	2.3	285
3.0	3.5	127



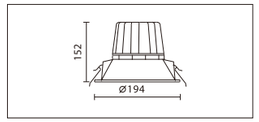


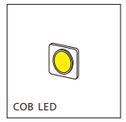


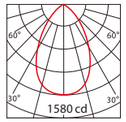
LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 220-240V
Beam Angle : 60°
Driver Type : Independent
Driver : LCD-30-0700-NLE



DG-937R(C25)



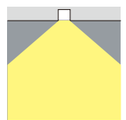




H(m)	D(m)	E(lx) 60°
1.0	1.2	1580
2.0	2.3	395
3.0	3.5	176



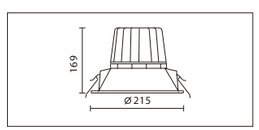


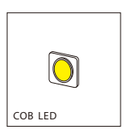


LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Beam Angle : 60°
Driver Type : Independent
Driver : LCD-38-900-TL

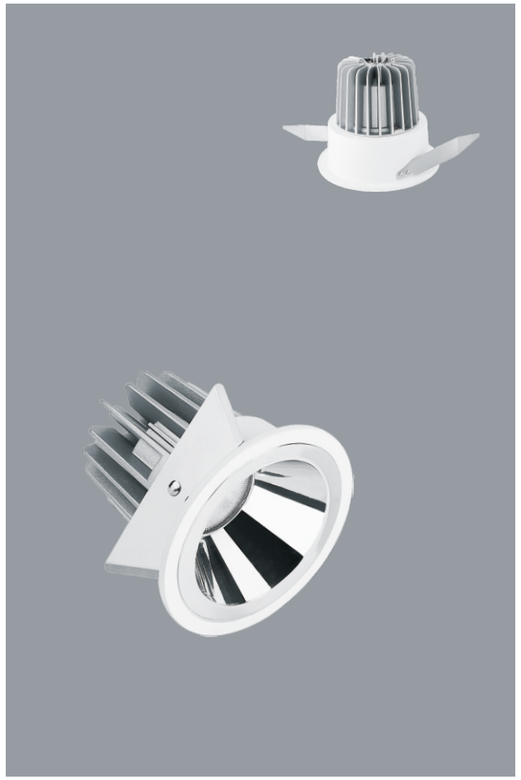


DG-938R(C33)





H(m)	D(m)	E(lx) 60°
1.0	1.2	2630
2.0	2.3	658
3.0	3.5	292



Features

- 30° cut-off angle for anti-dazzling
- The darklight reflector makes an inadvertently lighting effect without noticing its existence which ensures visual comfort
- Accent lighting in an appearance of general lighting fixture
- Easy to install helps saving time on construction
- Mellow and even light output filtered by a special optical diffuser

Applications

- Accent or general lighting for luxury hotels, mansions or club houses.





DA-993R(C7)
LED 9.5W(450mA)
Ø75



DA-994R(C12)
LED 14W(350mA)
Ø100



DA-995R(C15)
LED 13W(350mA)
Ø125



DA-996R(C18)
LED 19.5W(500mA)
Ø150



DA-997R(C25)
LED 28W(700mA)
Ø175



DA-998R(C33)
LED 35.5W(900mA)
Ø200

High efficiency reflectors with optional finishing









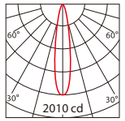




LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LIC9W450-Z

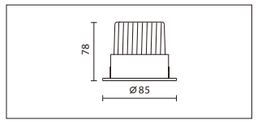




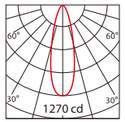


H(m)	D(m)	E(lx) 20°
1.0	0.4	2010
2.0	0.7	503
3.0	1.1	223

DA-993R(C7)



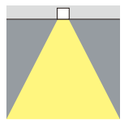




H(m)	D(m)	E(lx) 30°
1.0	0.5	1270
2.0	1.1	318
3.0	1.6	141

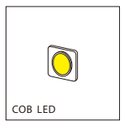


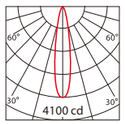




LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-14-350-TL

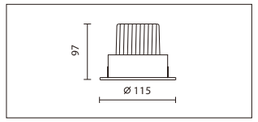


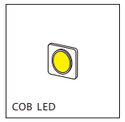


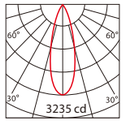


H(m)	D(m)	E(lx) 20°
1.0	0.4	4100
2.0	0.7	1025
3.0	1.1	456

DA-994R(C12)



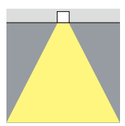




H(m)	D(m)	E(lx) 30°
1.0	0.5	3235
2.0	1.1	809
3.0	1.6	359

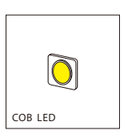


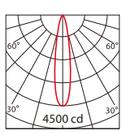




LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-14-350-TL

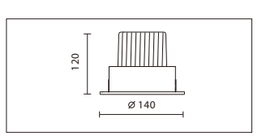


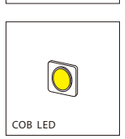


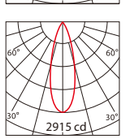


H(m)	D(m)	E(lx) 20°
1.0	0.4	4500
2.0	0.7	1125
3.0	1.1	500

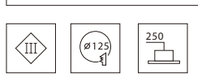
DA-995R(C15)







H(m)	D(m)	E(lx) 30°
1.0	0.5	2915
2.0	1.1	729
3.0	1.6	324



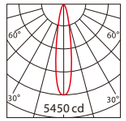




LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-20-500-TL

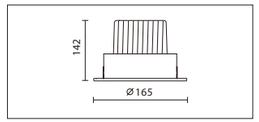




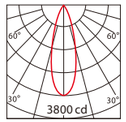


H(m)	D(m)	E(lx) 20°
1.0	0.4	5450
2.0	0.7	1363
3.0	1.1	606

DA-996R(C18)



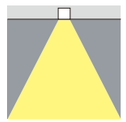




H(m)	D(m)	E(lx) 30°
1.0	0.5	3800
2.0	1.1	950
3.0	1.6	422







LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-30-0700-NLE





H(m)	D(m)	E(lx) 20°
1.0	0.4	6510
2.0	0.7	1628
3.0	1.1	723

DA-997R(C25)

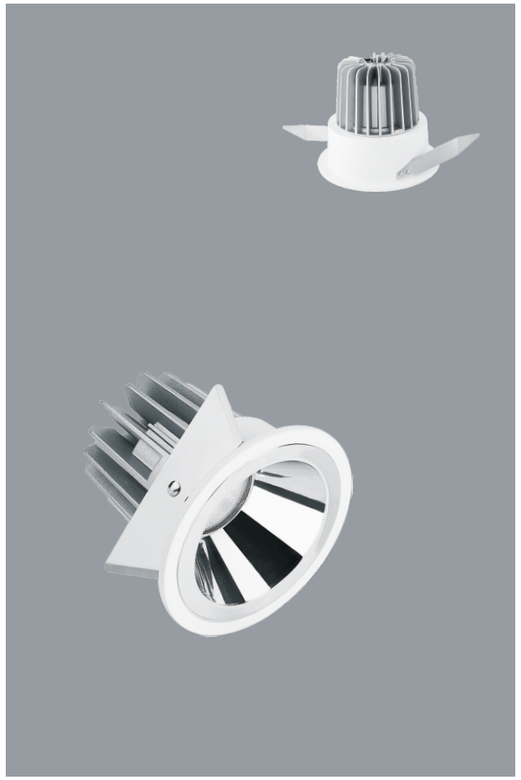
H(m)	D(m)	E(lx) 30°
1.0	0.5	4830
2.0	1.1	1208
3.0	1.6	537

LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-38-900-TL

H(m)	D(m)	E(lx) 20°
1.0	0.4	10320
2.0	0.7	2580
3.0	1.1	1147

DA-998R(C33)

H(m)	D(m)	E(lx) 30°
1.0	0.5	6300
2.0	1.1	1575
3.0	1.6	700



Features

- Wide beam, as general lighting
- 30° cut-off angle for anti-dazzling
- The darklight reflector makes an inadvertently lighting effect without noticing its existence which ensures visual comfort
- Optional sizes for different ceiling height requirements
- Mellow and even light output filtered by a special optical diffuser

Applications

- General lighting for luxury hotels, mansions or club houses.





DG-993R(C7)
LED 9.5W(450mA)
Ø75



DG-994R(C12)
LED 14W(350mA)
Ø100



DG-995R(C15)
LED 13W(350mA)
Ø125



DG-996R(C18)
LED 19.5W(500mA)
Ø150



DG-997R(C25)
LED 28W(700mA)
Ø175



DG-998R(C33)
LED 35.5W(900mA)
Ø200

High efficiency reflectors with optional finishing









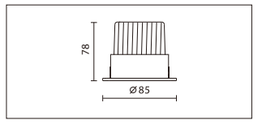




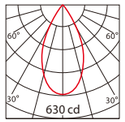
LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 50°
Driver Type : Independent
Driver : LIC9W450-Z

30°
Cut-off

DG-993R(C7)

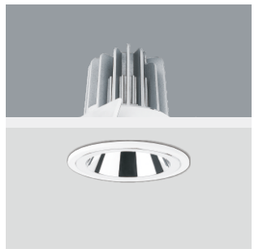






H(m)	D(m)	E(lx) 50°
1.0	0.9	630
2.0	1.9	158
3.0	2.8	70



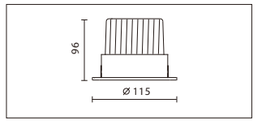


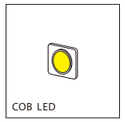


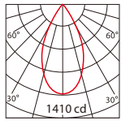
LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 50°
Driver Type : Independent
Driver : LCD-14-350-TL

30°
Cut-off

DG-994R(C12)



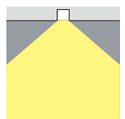




H(m)	D(m)	E(lx) 50°
1.0	0.9	1410
2.0	1.9	353
3.0	2.8	157



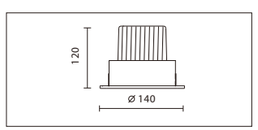


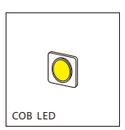


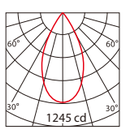
LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 220-240V
Beam Angle : 50°
Driver Type : Independent
Driver : LCD-14-350-TL

30°
Cut-off

DG-995R(C15)







H(m)	D(m)	E(lx) 50°
1.0	0.9	1245
2.0	1.9	311
3.0	2.8	138



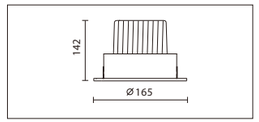




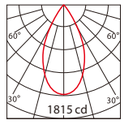
LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 50°
Driver Type : Independent
Driver : LCD-20-500-TL

30°
Cut-off

DG-996R(C18)







H(m)	D(m)	E(lx) 50°
1.0	0.9	1815
2.0	1.9	454
3.0	2.8	202



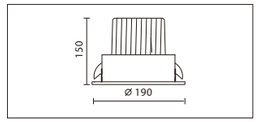


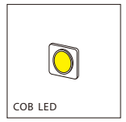


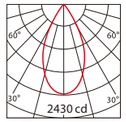
LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 220-240V
Beam Angle : 50°
Driver Type : Independent
Driver : LCD-30-0700-NLE

30°
Cut-off

DG-997R(C25)



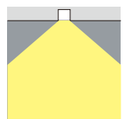




H(m)	D(m)	E(lx) 50°
1.0	0.9	2430
2.0	1.9	608
3.0	2.8	270



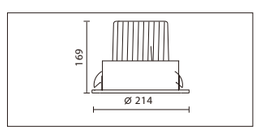


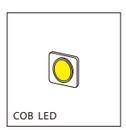


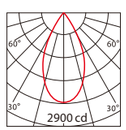
LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Beam Angle : 50°
Driver Type : Independent
Driver : LCD-38-900-TL

30°
Cut-off

DG-998R(C33)







H(m)	D(m)	E(lx) 50°
1.0	0.9	2900
2.0	1.9	725
3.0	2.8	322



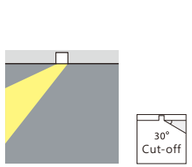


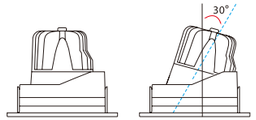
Features

- Recessed downlight - adjustable wall accent
- Installed by the wall for accent lighting effect while with minimum light output as foundation
- Ceiling height below 3.5 meters: DW-980~DW983
- Ceiling height above 3.5 meters: DW-984 and DW-986R
- Special darklight reflector, besides the direction toward the illuminated object, the other directions are with 30° cut-off angle to avoid discomfort glare
- 355° horizontally rotatable and 30° vertically tiltable; the fixture can be adjusted precisely for optimum beam alignment
- Regressed light-restrain design to make the ceiling look tidy without light leakage

Applications

- Narrow spot on the wall for exhibitions, commercial, hotel, conference hall or library application.









DW-980(C7)
LED 9.5W(450mA)





DW-981(C7)
LED 9.5W(450mA)





DW-982(C12)
LED 14W(350mA)





DW-983(C18)
LED 19.5W(500mA)





DW-984(C22)
LED 24W(600mA)





DW-986R(C33)
LED 35.5W(900mA)







Special design to avoid the light leakage in the ceiling.





High efficiency reflectors with optional finishing

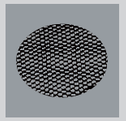






Darken Reflector for Anti-dazzling

The darken reflector is made of vacuum plating metalized plastic with 30° cut-off angle design



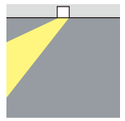
Accessories

AC-981 (Honeycomb) for DW-980/981
AC-982 (Honeycomb) for DW-982
AC-983 (Honeycomb) for DW-983
AC-984 (Honeycomb) for DW-984
AC-986 (Honeycomb) for DW-986



AC-981 (Stripe glass) for DW-980/981
AC-982 (Stripe glass) for DW-982
AC-983 (Stripe glass) for DW-983
AC-984 (Stripe glass) for DW-984
AC-986 (Stripe glass) for DW-986

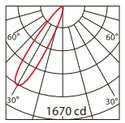




LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LIC9W450-Z
355° rotation and 30° tilt

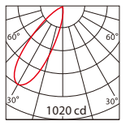






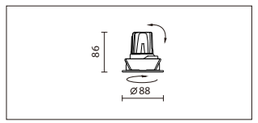
H(m)	D(m)	E(lx) 20°
1.0	0.4	1670
2.0	0.7	417
3.0	1.1	185





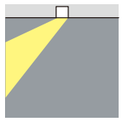
H(m)	D(m)	E(lx) 30°
1.0	0.5	1020
2.0	1.1	255
3.0	1.6	113

DW-980(C7)





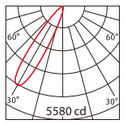




LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and 30° tilt

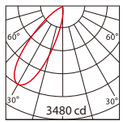






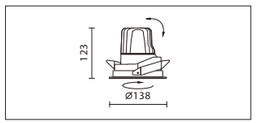
H(m)	D(m)	E(lx) 20°
1.0	0.4	5580
2.0	0.7	1395
3.0	1.1	620





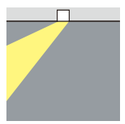
H(m)	D(m)	E(lx) 30°
1.0	0.5	3480
2.0	1.1	870
3.0	1.6	368

DW-983(C18)



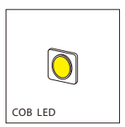


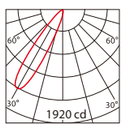




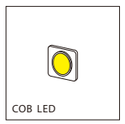
LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LIC9W450-Z
355° rotation and 30° tilt

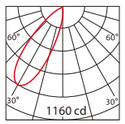






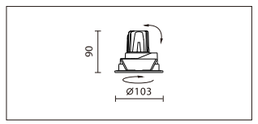
H(m)	D(m)	E(lx) 20°
1.0	0.4	1920
2.0	0.7	480
3.0	1.1	213





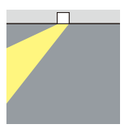
H(m)	D(m)	E(lx) 30°
1.0	0.5	1160
2.0	1.1	290
3.0	1.6	128

DW-981(C7)



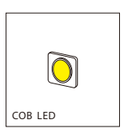


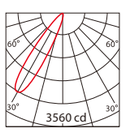




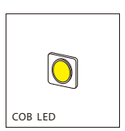
LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 30° tilt

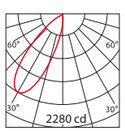






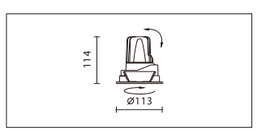
H(m)	D(m)	E(lx) 20°
1.0	0.4	3560
2.0	0.7	890
3.0	1.1	395





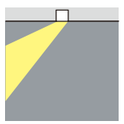
H(m)	D(m)	E(lx) 30°
1.0	0.5	2280
2.0	1.1	570
3.0	1.6	253

DW-982(C12)



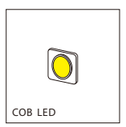






LED : LED (COB)
Power : LED 24W(600mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-24-600-TL
355° rotation and 30° tilt





H(m)	D(m)	E(lx) 20°
1.0	0.4	6230
2.0	0.7	1558
3.0	1.1	692

H(m)	D(m)	E(lx) 30°
1.0	0.5	3970
2.0	1.1	993
3.0	1.6	441

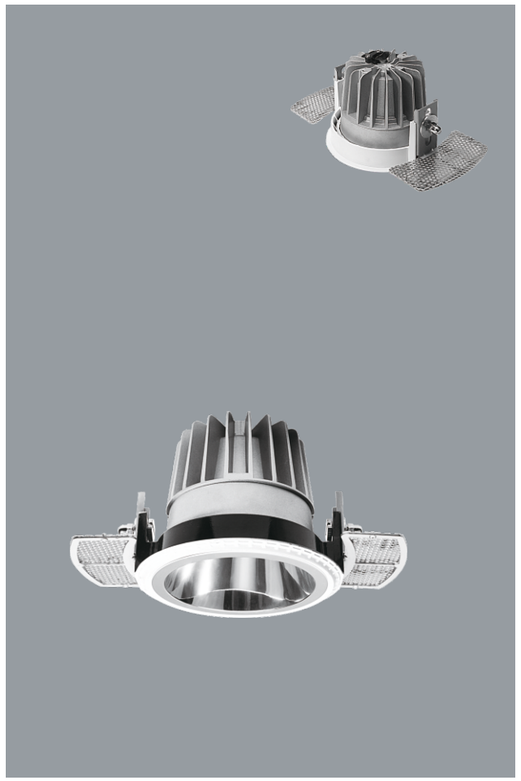
DW-984(C22)

LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-38-900-TL
355° rotation and 30° tilt

H(m)	D(m)	E(lx) 20°
1.0	0.4	7020
2.0	0.7	1755
3.0	1.1	780

H(m)	D(m)	E(lx) 30°
1.0	0.5	5640
2.0	1.1	1410
3.0	1.6	627

DW-986R(C33)



Features

- Trimless frame design able to make the luminaire merged into the environment
- Wide beam, good visual comfort with high luminous efficiency
- 30° cut-off angle for anti-dazzling
- The darklight reflector makes an inadvertently lighting effect without noticing its existence
- Ideal for ceiling height under 3 meters

Applications

- General lighting for museums, galleries and commercial applications.







DG-982W(C12)
LED 14W(350mA)





DG-983W(C15)
LED 13W(350mA)





DG-984W(C18)
LED 19.5W(500mA)



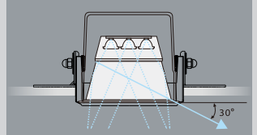
High efficiency reflectors with optional finishing





Visual Comfort

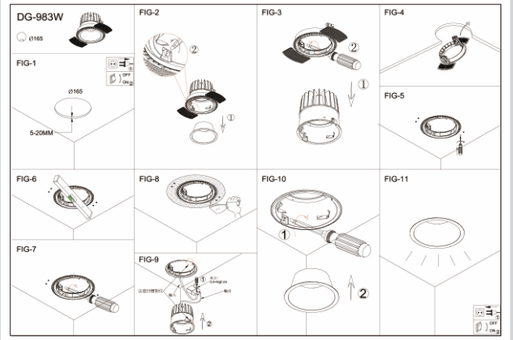
Anti-dazzle design
with 30° cut-off angle



Trimless design



Installation Advice



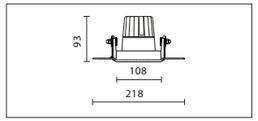




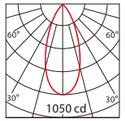
LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 56°
Driver Type : Independent
Driver : LCD-14-350-TL



DG-982W(C12)







H(m)	D(m)	E(lx) 56°
1.0	1.0	1050
2.0	2.1	263
3.0	3.2	117







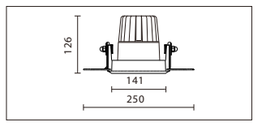


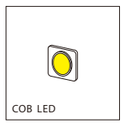


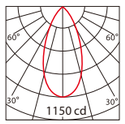
LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 220-240V
Beam Angle : 57°
Driver Type : Independent
Driver : LCD-14-350-TL



DG-983W(C15)







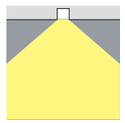
H(m)	D(m)	E(lx) 57°
1.0	1.2	1150
2.0	2.3	288
3.0	3.5	128







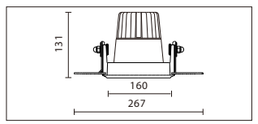


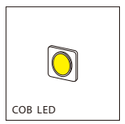


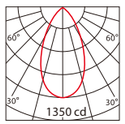
LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 61°
Driver Type : Independent
Driver : LCD-20-500-TL



DG-984W(C18)





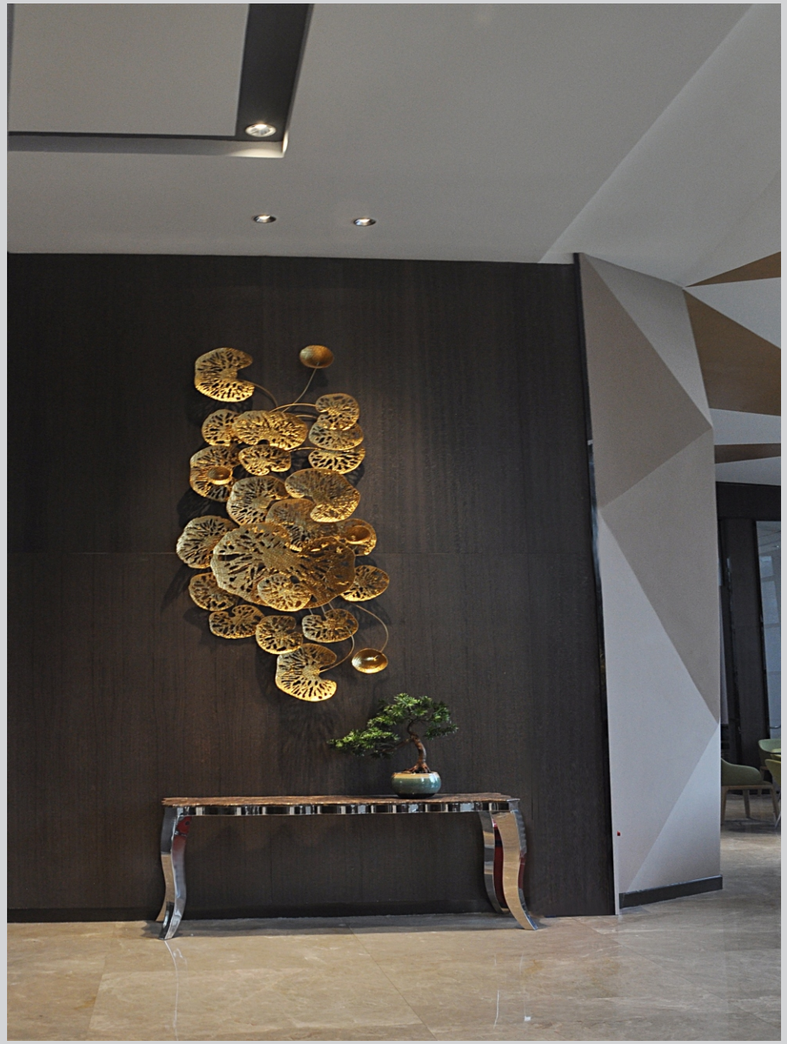


H(m)	D(m)	E(lx) 61°
1.0	1.2	1350
2.0	2.4	338
3.0	3.5	150

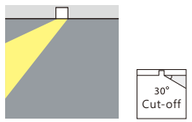


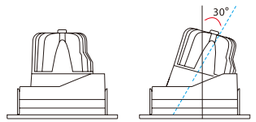












Features

- Trimless frame design able to make the luminaire merged into the environment
- Recessed downlight - adjustable wall accent
- Installed by the wall for accent lighting effect while with minimum light output as foundation
- Ceiling height below 3.5 meters: DW-980W, DW982W
- Ceiling height above 3.5 meters: DW-983W, DW-984W
- Special darklight reflector, besides the direction toward the illuminated object, the other directions are with 30° cut-off angle to avoid discomfort glare
- 355° horizontally rotatable and 30° vertically tiltable; the fixture can be adjusted precisely for optimum beam alignment
- Regressed light-restrain design to make the ceiling look tidy without light leakage

Applications

- Narrow spot on the wall for exhibitions, commercial, hotel, conference hall or library application.





DW-980W(C7)
LED 9．5W(450mA)



DW-982W(C12)
LED 14W(350mA)



DW-983W(C18)
LED 19.5W(500mA)



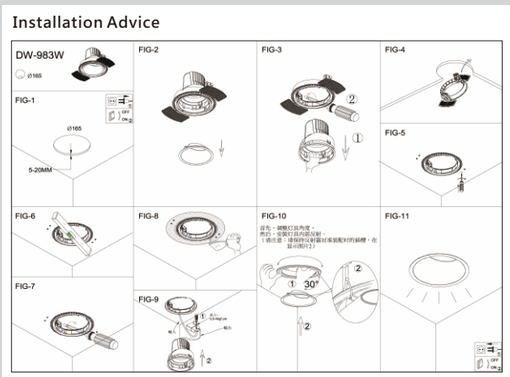
DW-984W(C22)
LED 24W(600mA)

Ø95 Ø130 Ø160 Ø175

Trimless design



Installation Advice







Special design to avoid the light leakage in the ceiling.



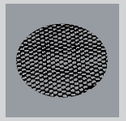
Darken Reflector for Anti-dazzling

The darken reflector is made of vacuum plating metalized plastic with 30° cut-off angle design





High efficiency reflectors with optional finishing



Accessories

AC-981 (Honeycomb) for DW-980
AC-982 (Honeycomb) for DW-982
AC-983 (Honeycomb) for DW-983
AC-984 (Honeycomb) for DW-984

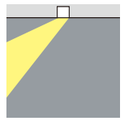






AC-981 (Stripe glass) for DW-980
AC-982 (Stripe glass) for DW-982
AC-983 (Stripe glass) for DW-983
AC-984 (Stripe glass) for DW-984

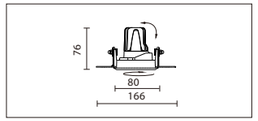




LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LIC9W450-Z
355° rotation and 30° tilt

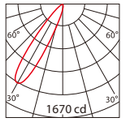
30°
Cut-off

DW-980W(C7)



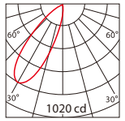






H(m)	D(m)	E(lx) 20°
1.0	0.4	1670
2.0	0.7	420
3.0	1.1	185





H(m)	D(m)	E(lx) 30°
1.0	0.5	1020
2.0	1.1	255
3.0	1.6	113

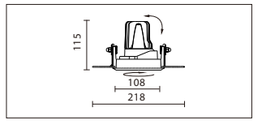




LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 30° tilt

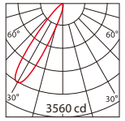
30°
Cut-off

DW-982W(C12)

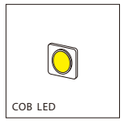


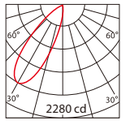






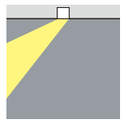
H(m)	D(m)	E(lx) 20°
1.0	0.4	3560
2.0	0.7	890
3.0	1.1	395





H(m)	D(m)	E(lx) 30°
1.0	0.5	2280
2.0	1.1	570
3.0	1.6	253

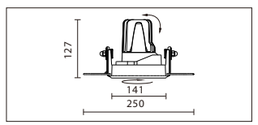




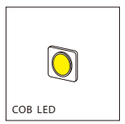
LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and 30° tilt

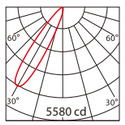
30°
Cut-off

DW-983W(C18)

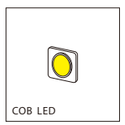


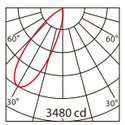






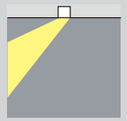
H(m)	D(m)	E(lx) 20°
1.0	0.4	5580
2.0	0.7	1395
3.0	1.1	620





H(m)	D(m)	E(lx) 30°
1.0	0.5	3480
2.0	1.1	870
3.0	1.6	368

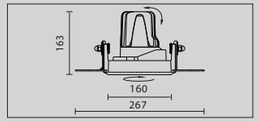




LED : LED (COB)
Power : LED 24W(600mA)
Input : AC 220-240V
Beam Angle : 20°/30°
Driver Type : Independent
Driver : LCD-24-600-TL
355° rotation and 30° tilt

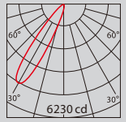
30°
Cut-off

DW-984W(C22)



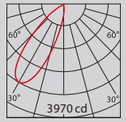




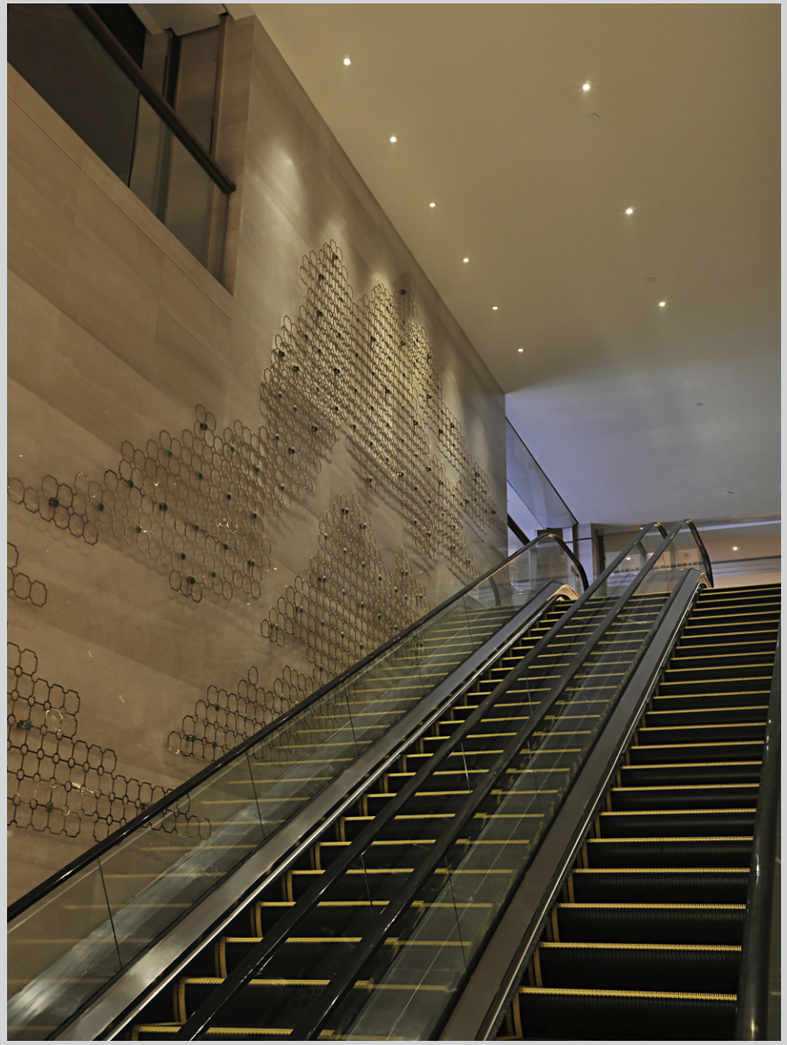


H(m)	D(m)	E(lx) 20°
1.0	0.4	6230
2.0	0.7	1558
3.0	1.1	692





H(m)	D(m)	E(lx) 30°
1.0	0.5	3970
2.0	1.1	993
3.0	1.6	441



Recessed Downlights-Square





DA Series
Accent Lighting







DG Series
General Lighting

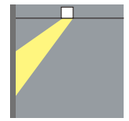






DW Series
Accent Lighting
(by the wall)

355° rotatable and 30° tilt



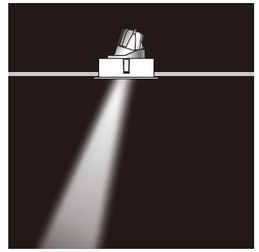




DD Series
Directional Lighting

355° rotatable and 20° tilt



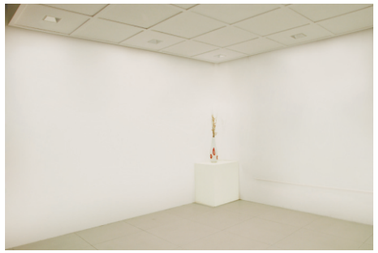


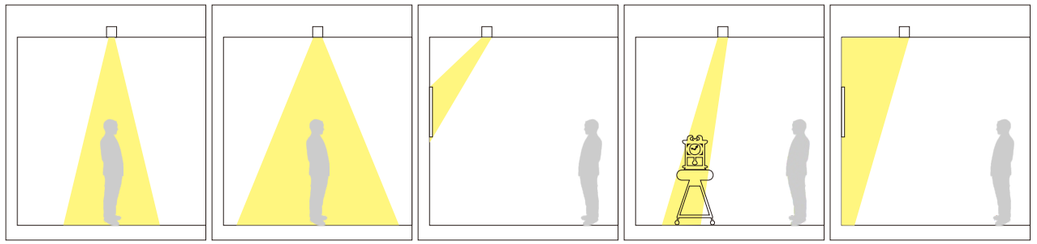


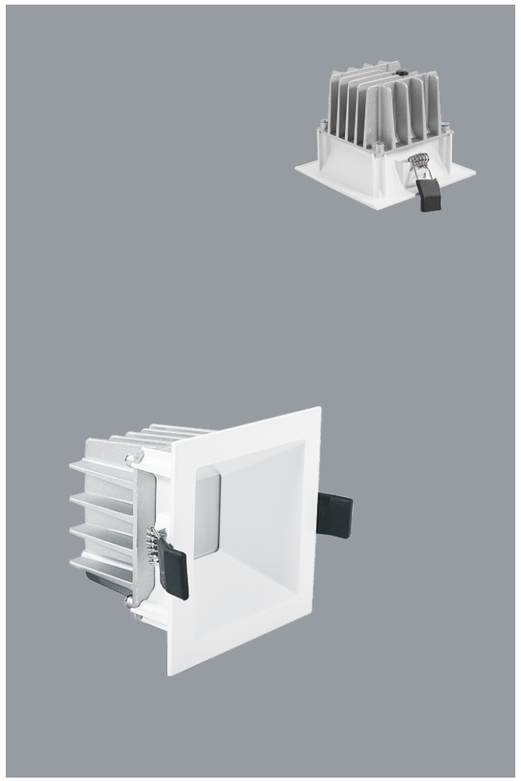
DL Series
Recessed Wallwasher











Features

- Simple square form, able to make the luminaire merged into the environment
- 30° cut-off angle, good visual comfort with high luminous efficiency
- Springs designed to improve installation efficiency
- Mellow and even light output filtered by a special optical diffuser
- IP44, suitable for moist environments

Applications

- General lighting for offices, meeting rooms, libraries and reading rooms.

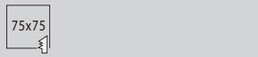








DG-933S(C7)
LED 9.5W(450mA)





DG-934S(C12)
LED 14W(350mA)





DG-935S(C18)
LED 19.5W(500mA)





DG-936S(C22)
LED 24W(600mA)





DG-937S(C33)
LED 35.5W(900mA)



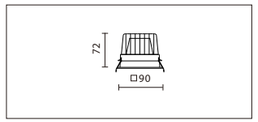




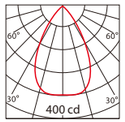
LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 65°
Driver Type : Independent
Driver : LIC9W450-Z



DG-933S(C7)



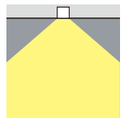




H(m)	D(m)	E(lx) 65°
1.0	1.3	400
2.0	2.5	100
3.0	3.8	44



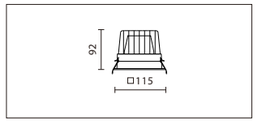


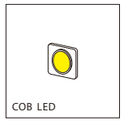


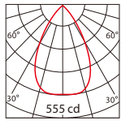
LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 65°
Driver Type : Independent
Driver : LCD-14-350-TL



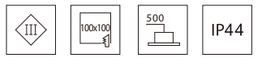
DG-934S(C12)



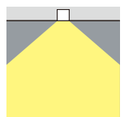




H(m)	D(m)	E(lx) 65°
1.0	1.3	555
2.0	2.5	139
3.0	3.8	62



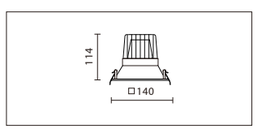


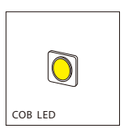


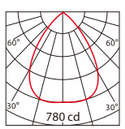
LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 75°
Driver Type : Independent
Driver : LCD-20-500-TL



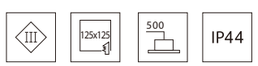
DG-935S(C18)

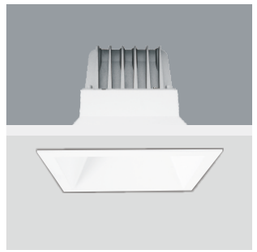






H(m)	D(m)	E(lx) 75°
1.0	1.5	780
2.0	3.1	195
3.0	4.6	87



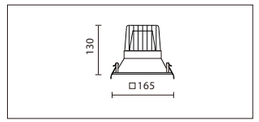




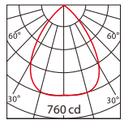
LED : LED (COB)
Power : LED 24W(600mA)
Input : AC 220-240V
Beam Angle : 75°
Driver Type : Independent
Driver : LCD-24-600-TL



DG-936S(C22)



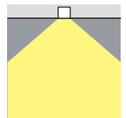




H(m)	D(m)	E(lx) 75°
1.0	1.5	760
2.0	3.1	189
3.0	4.6	84



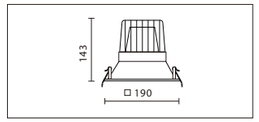


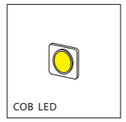


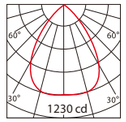
LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Beam Angle : 75°
Driver Type : Independent
Driver : LCD-38-900-TL



DG-937S(C33)

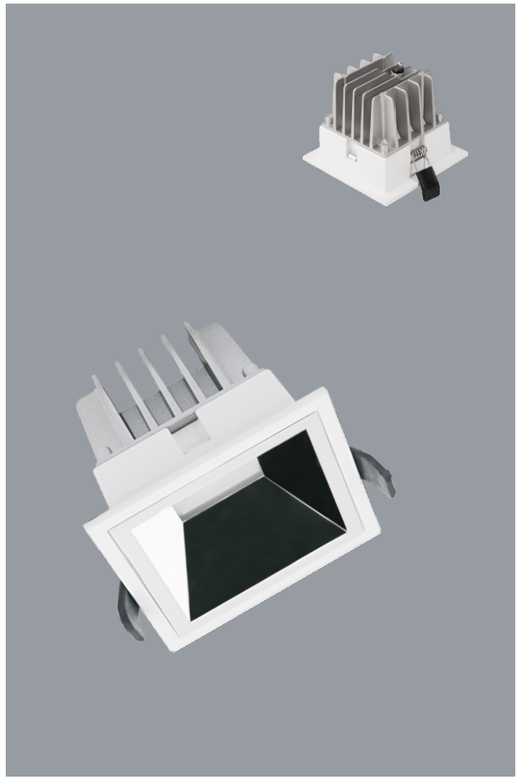






H(m)	D(m)	E(lx) 75°
1.0	1.5	1230
2.0	3.1	308
3.0	4.6	137



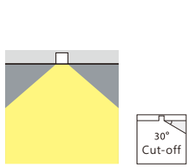


Features

- Simple square form, able to make the luminaire merged into the environment
- The darklight reflector with 30° cut-off angle which ensures visual comfort
- Springs designed to improve installation efficiency
- Mellow and even light output filtered by a special optical diffuser

Applications

- General lighting for commercial applications.







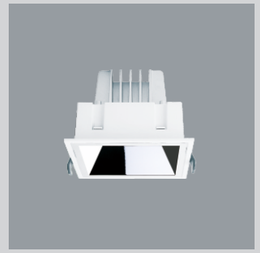
DG-981S(C7)
LED 9.5W(450mA)





DG-982S(C12)
LED 14W(350mA)





DG-983S(C18)
LED 19.5W(500mA)





DG-984S(C22)
LED 24W(600mA)





DG-985S(C33)
LED 35.5W(900mA)

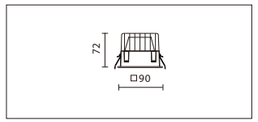




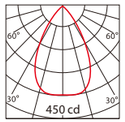


LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 60°
Driver Type : Independent
Driver : LIC9W450-Z

DG-981S(C7)







H(m)	D(m)	E(lx) 60°
1.0	1.1	450
2.0	2.3	113
3.0	3.3	50

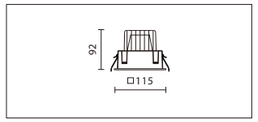


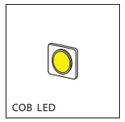


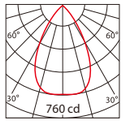


LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 60°
Driver Type : Independent
Driver : LCD-14-350-TL

DG-982S(C12)

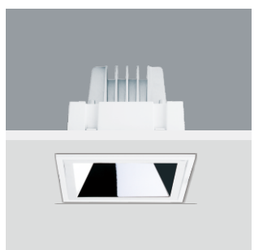


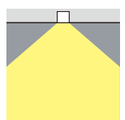




H(m)	D(m)	E(lx) 60°
1.0	1.1	760
2.0	2.3	190
3.0	3.3	84

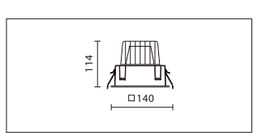


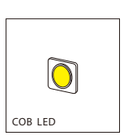


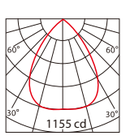


LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 65°
Driver Type : Independent
Driver : LCD-20-500-TL

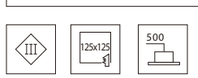
DG-983S(C18)







H(m)	D(m)	E(lx) 65°
1.0	1.3	1155
2.0	2.5	289
3.0	3.8	128







LED : LED (COB)
Power : LED 24W(600mA)
Input : AC 220-240V
Beam Angle : 65°
Driver Type : Independent
Driver : LCD-24-600-TL

DG-984S(C22)

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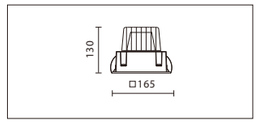
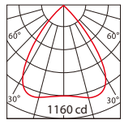






H(m)	D(m)	E(lx) 65°
1.0	1.3	1160
2.0	2.5	290
3.0	3.8	129

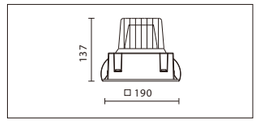


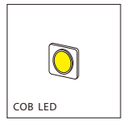


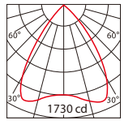


LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Beam Angle : 75°
Driver Type : Independent
Driver : LCI 42W 900mA TEC SR

DG-985S(C33)







H(m)	D(m)	E(lx) 75°
1.0	1.5	1730
2.0	3.1	433
3.0	4.6	192



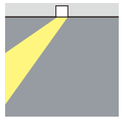


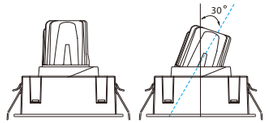
Features

- Recessed downlight - adjustable wall accent
- Installed by the wall for accent lighting effect while with minimum light output as foundation
- Ceiling height below 3.5 meters: DW-982S, DW983S
- Ceiling height above 3.5 meters: DW-984S, DW-985S
- Special darklight reflector, besides the direction toward the illuminated object, the other directions are with 30° cut-off angle to avoid discomfort glare
- 355° horizontally rotatable and 30° vertically tiltable; the fixture can be adjusted precisely for optimum beam alignment
- Regressed light-restrain design to make the ceiling look tidy without light leakage

Applications

- Narrow spot on the wall for exhibitions, commercial, hotel, conference hall or library application.t









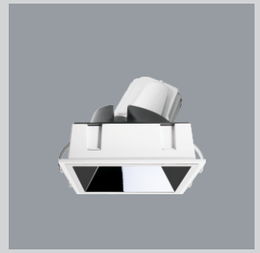
DW-982S(C7)
LED 9.5W(450mA)





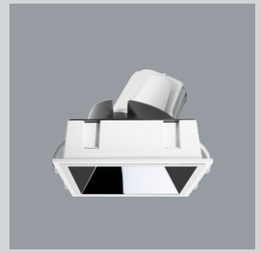
DW-983S(C12)
LED 14W(350mA)





DW-984S(C18)
LED 19.5W(500mA)





DW-985S(C25)
LED 28W(700mA)





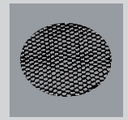


Special design to avoid the light leakage in the ceiling.



Darken Reflector for Anti-dazzling

The darken reflector is made of vacuum plating metalized plastic with 30° cut-off angle design



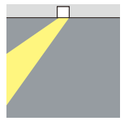
Accessories

AC-981	(Honeycomb)	for DD-982S
AC-982	(Honeycomb)	for DD-983S
AC-984S	(Honeycomb)	for DD-984S
AC-984	(Honeycomb)	for DD-985S



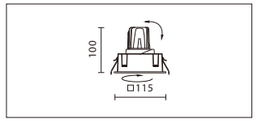
AC-981	(Stripe glass)	for DD-982S
AC-982	(Stripe glass)	for DD-983S
AC-984S	(Stripe glass)	for DD-984S
AC-984	(Stripe glass)	for DD-985S



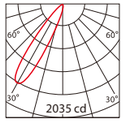


LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 24°
Driver Type : Independent
Driver : LIC9W450-Z
355° rotation and 30° tilt

DW-982S(C7)



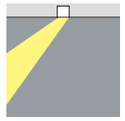




H(m)	D(m)	E(lx) 24°
1.0	0.4	2035
2.0	0.9	509
3.0	1.3	226

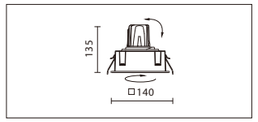


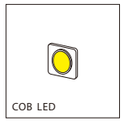


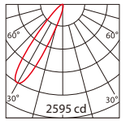


LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 24°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 30° tilt

DW-983S(C12)



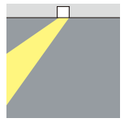




H(m)	D(m)	E(lx) 24°
1.0	0.4	2595
2.0	0.9	649
3.0	1.3	288

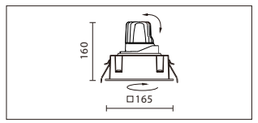




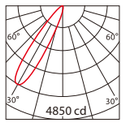


LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 24°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and 30° tilt

DW-984S(C18)



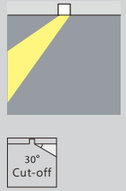




H(m)	D(m)	E(lx) 24°
1.0	0.4	4850
2.0	0.9	1213
3.0	1.3	539

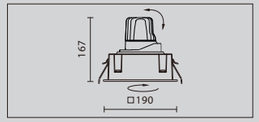




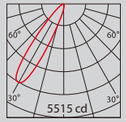


LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 220-240V
Beam Angle : 24°
Driver Type : Independent
Driver : LCD-30-0700-NLE
355° rotation and 30° tilt

DW-985S(C25)

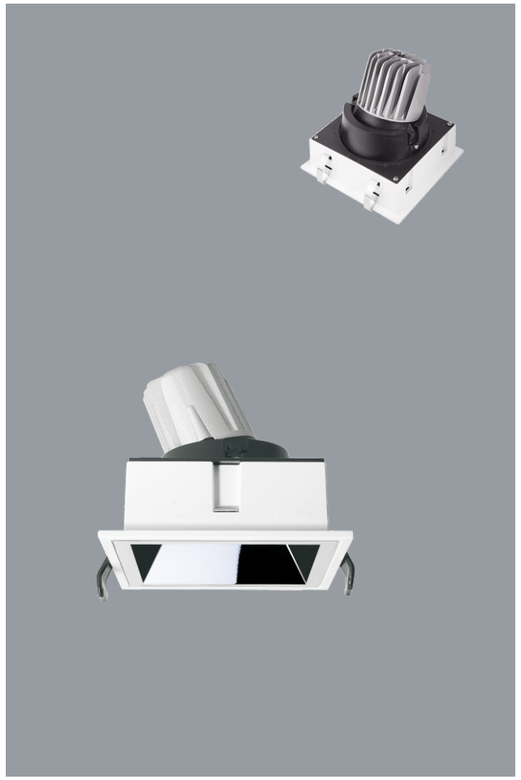






H(m)	D(m)	E(lx) 24°
1.0	0.4	5515
2.0	0.9	1379
3.0	1.3	613





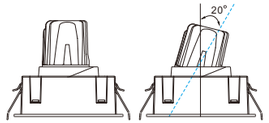
Features

- Adjustable accent downlight, to install above the aisle
- Special darklight reflector, 360° with 30° cut-off angle to avoid discomfort glare
- 355° horizontally rotatable and 20° vertically tiltable; the fixture can be adjusted precisely for optimum beam alignment
- Regressed light-restrain design to make the ceiling look tidy without light leakage
- Mellow and even light output filtered by a special optical diffuser

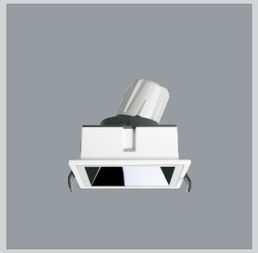
Applications

- Installed in the ceiling above the aisle of museum, gallery or hotel, to light up artwork (e.g. sculpture)on island stand. Keeping a stable visual comfort lighting environment without dazzling for the audiences-in-motion.



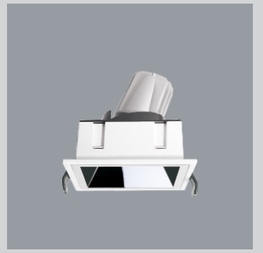






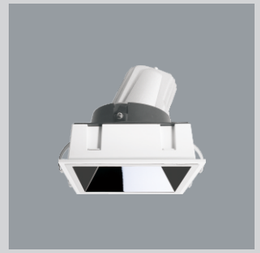
DD-982S(C7)
LED 9.5W(450mA)





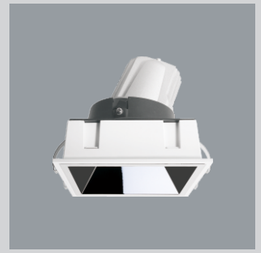
DD-983S(C12)
LED 14W(350mA)





DD-984S(C18)
LED 19.5W(500mA)





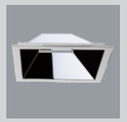
DD-985S(C25)
LED 28W(700mA)





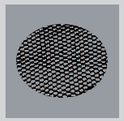


Special design to avoid the light leakage in the ceiling.



Darken Reflector for Anti-dazzling

The darken reflector is made of vacuum plating metalized plastic with 30° cut-off angle design

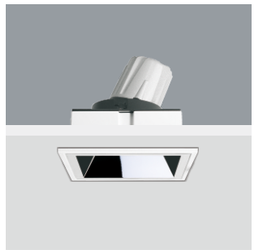


Accessories

AC-981 (Honeycomb) for DW-982S
AC-982 (Honeycomb) for DW-983S
AC-984S (Honeycomb) for DW-984S
AC-984 (Honeycomb) for DW-985S



AC-981 (Stripe glass) for DW-982S
AC-982 (Stripe glass) for DW-983S
AC-984S (Stripe glass) for DW-984S
AC-984 (Stripe glass) for DW-985S

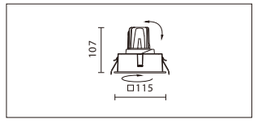




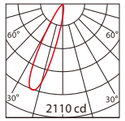
LED : LED (COB)
Power : LED 9.5W(450mA)
Input : AC 100-240V
Beam Angle : 24°
Driver Type : Independent
Driver : LIC9W450-Z
355° rotation and 20° tilt



DD-982S(C7)







H(m)	D(m)	E(lx) 24°
1.0	0.4	2110
2.0	0.9	528
3.0	1.3	234



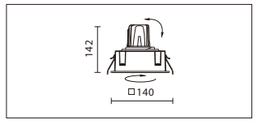


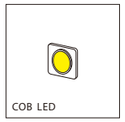


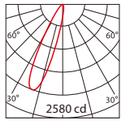
LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 24°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 20° tilt



DD-983S(C12)



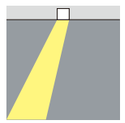




H(m)	D(m)	E(lx) 24°
1.0	0.4	2580
2.0	0.9	645
3.0	1.3	287



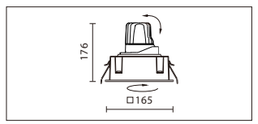


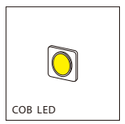


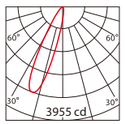
LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 24°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and 20° tilt



DD-984S(C18)







H(m)	D(m)	E(lx) 24°
1.0	0.4	3955
2.0	0.9	989
3.0	1.3	439



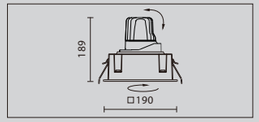




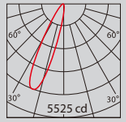
LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 220-240V
Beam Angle : 24°
Driver Type : Independent
Driver : LCD-30-0700-NLE
355° rotation and 20° tilt



DD-985S(C25)





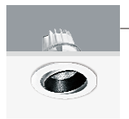


H(m)	D(m)	E(lx) 24°
1.0	0.4	5525
2.0	0.9	1381
3.0	1.3	614



Adjustable Downlights



	Model	Page
	DA-770C Series	P. 137
	DA-537C Series	P. 141
	DW-301R Series	P. 143
	DL-301Q Series	P. 151
	RA-771R Series	P. 155



Features

- Adjustable downlight
- Tiltable 20°, which can be adjusted precisely for optimum beam alignment
- 10°~60° from narrow to wide beams
- Optical accessories: anti-dazzling, gradient and stretch effects

Applications

- Accent lighting or general lighting for exhibitions, hotels and commercial applications.







DA-770C(C12)
LED 14W(350mA)

ø92



DA-751C(C18)
LED 19.5W(500mA)

ø130



DA-721C(C33)
LED 35.5W(900mA)

ø163





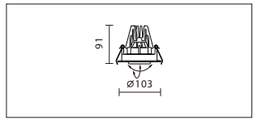
TONS high quality reflectors are made of 99% high purity aluminum with mirror polish anodized finish.



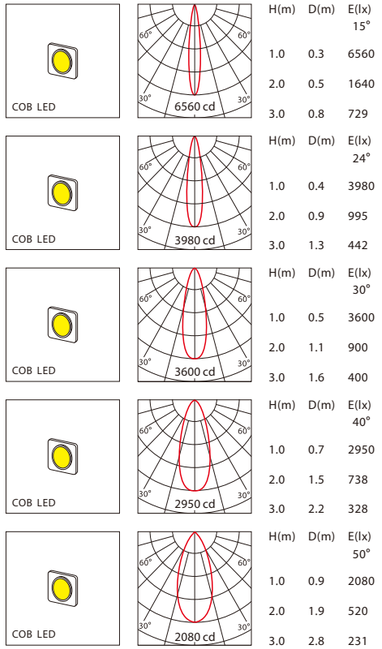
DA-770C(C12)



LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 15°/24°/30°
40°/50°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 20° tilt







H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729

H(m)	D(m)	E(lx) 24°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442

H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400

H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328

H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231

Accessories



Honeycomb
DL-77-AC2



Stretching film
AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060



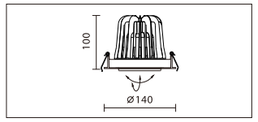
Woven glass
AC-770F

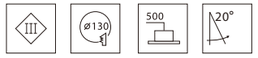


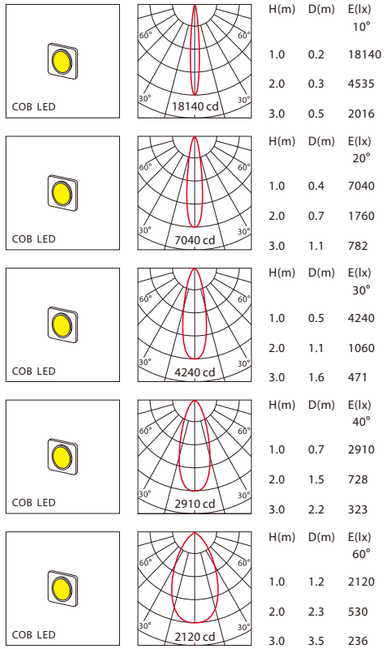
DA-751C(C18)



LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and 20° tilt







H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016

H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782

H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323

H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

Accessories



Honeycomb
DL-75-AC2



Stretching film
AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060



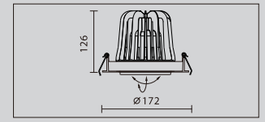
Woven glass
AC-3510F



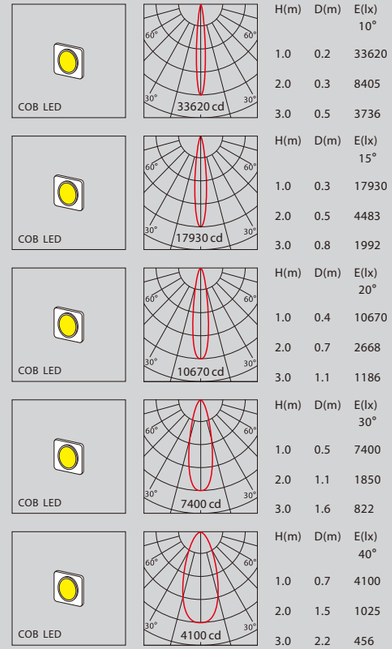
DA-721C(C33)



LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 10°/15°/20°
30°/40°/60°
Driver Type : Independent
Driver : LCD-38-900-TL
355° rotation and 20° tilt







H(m)	D(m)	E(lx) 10°
1.0	0.2	33620
2.0	0.3	8405
3.0	0.5	3736

H(m)	D(m)	E(lx) 15°
1.0	0.3	17930
2.0	0.5	4483
3.0	0.8	1992

H(m)	D(m)	E(lx) 20°
1.0	0.4	10670
2.0	0.7	2668
3.0	1.1	1186

H(m)	D(m)	E(lx) 30°
1.0	0.5	7400
2.0	1.1	1850
3.0	1.6	822

H(m)	D(m)	E(lx) 40°
1.0	0.7	4100
2.0	1.5	1025
3.0	2.2	456

H(m)	D(m)	E(lx) 60°
1.0	1.2	3150
2.0	2.3	788
3.0	3.5	350

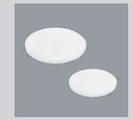
Accessories



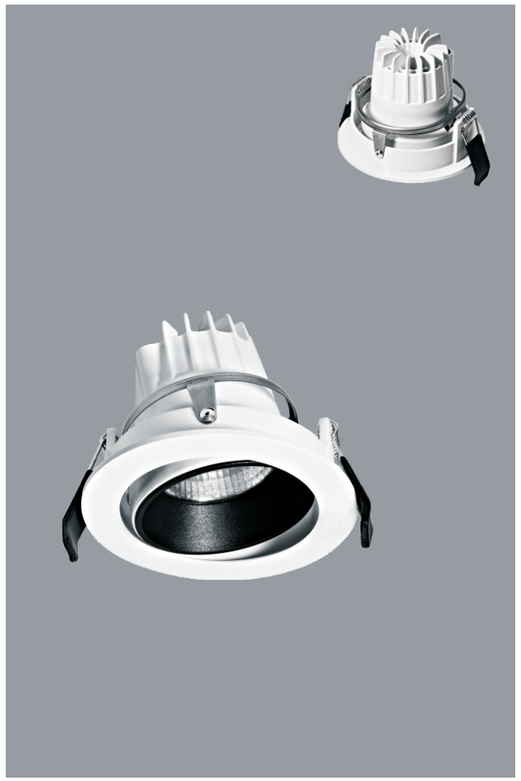
Honeycomb
DL-7-AC2



Stretching film
AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060



Woven glass
AC-3210F



Features

- Adjustable downlight
- Tiltable 20°, which can be adjusted precisely for optimum beam alignment
- 10°~60° from narrow to wide beams
- Professional optical design for glare-proof which ensures visual comfort

Applications

- Accent lighting or general lighting for exhibitions, hotels and commercial applications.







DA-537C(C12)
LED 14W(350mA)

ø90



DA-535C(C18)
LED 19.5W(500mA)

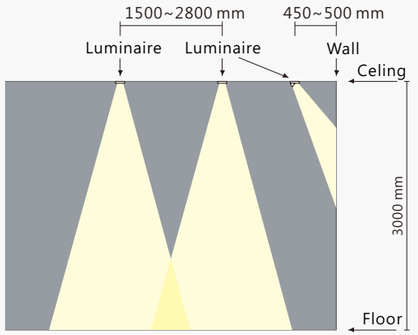
ø125



DA-532C(C33)
LED 35.5W(900mA)

ø150

Installation Advice

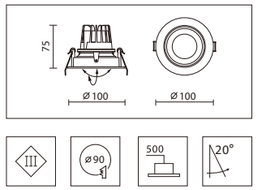




DA-537C(C12)



LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 15°/24°/30°
40°/50°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 20° tilt



Accessories

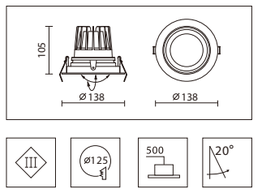


Woven glass
AC-537F

COB LED	6560 cd	H(m)	D(m)	E(lx) 15°
		1.0	0.3	6560
		2.0	0.5	1640
		3.0	0.8	729
COB LED	3980 cd	H(m)	D(m)	E(lx) 24°
		1.0	0.4	3980
		2.0	0.9	995
		3.0	1.3	442
COB LED	3600 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	3600
		2.0	1.1	900
		3.0	1.6	400
COB LED	2950 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	2950
		2.0	1.5	738
		3.0	2.2	328
COB LED	2080 cd	H(m)	D(m)	E(lx) 50°
		1.0	0.9	2080
		2.0	1.9	520
		3.0	2.8	231



DA-535C(C18)



Accessories



Woven glass
AC-535F

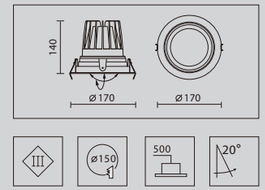
COB LED	18140 cd	H(m)	D(m)	E(lx) 10°
		1.0	0.2	18140
		2.0	0.3	4535
		3.0	0.5	2016
COB LED	7040 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	7040
		2.0	0.7	1760
		3.0	1.1	782
COB LED	4240 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	4240
		2.0	1.1	1060
		3.0	1.6	471
COB LED	2910 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	2910
		2.0	1.5	728
		3.0	2.2	323
COB LED	2120 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	2120
		2.0	2.3	530
		3.0	3.5	236



DA-532C(C33)



LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 10°/15°/20°
30°/40°/60°
Driver Type : Independent
Driver : LCD-38-900-TL
355° rotation and 20° tilt



Accessories



Woven glass
AC-8200F

COB LED	33620 cd	H(m)	D(m)	E(lx) 10°
		1.0	0.2	33620
		2.0	0.3	8405
		3.0	0.5	3736
COB LED	17930 cd	H(m)	D(m)	E(lx) 15°
		1.0	0.3	17930
		2.0	0.5	4483
		3.0	0.8	1992
COB LED	10670 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	10670
		2.0	0.7	2668
		3.0	1.1	1186
COB LED	7400 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	7400
		2.0	1.1	1850
		3.0	1.6	822
COB LED	4100 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	4100
		2.0	1.5	1025
		3.0	2.2	456
COB LED	3150 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	3150
		2.0	2.3	788
		3.0	3.5	350



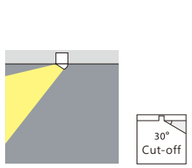


Features

- Adjustable gimbal downlight with patent pullable structure design
- The body is 355° horizontally rotatable and the lamp is able to pull 45° downwards and push 15° upwards, which can be adjusted precisely for optimum beam alignment
- 0° as downlight, 15° push-in as half wall washer and 45° pull-out as spotlight
- 30° cut-off angle for a mellow and plump light distribution

Applications

- Accent lighting or wallwashing for exhibitions and commercial applications.



reddot award 2014
winner





DW-301R(C7)
LED 9.5W(450mA)

ø75



DW-302(C12)
LED 14W(350mA)

ø100



DW-303(C18)
LED 19.5W(500mA)

ø125



DW-304(C22)
LED 24W(600mA)

ø150



DW-305(C33)
LED 35.5W(900mA)

ø175

Flexible Swing



0°

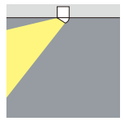


15°
Push-in



45°
Pull-out

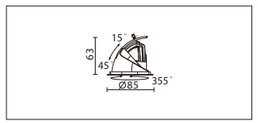


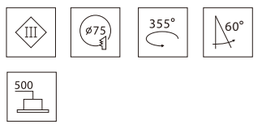


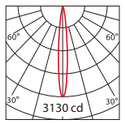
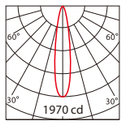
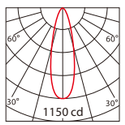
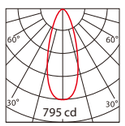
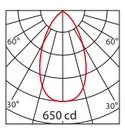
30°
Cut-off

LED : LED (COB)
Power : LED 9.5W (450mA)
Input : AC 100-240V
Beam Angle : 12°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and from
-15 to+45° tilt

DW-301R(C7)





COB LED		H(m)	D(m)	E(lx)	12°
		1.0	0.2	3130	
		2.0	0.4	783	
		3.0	0.6	348	
COB LED		H(m)	D(m)	E(lx)	20°
		1.0	0.4	1970	
		2.0	0.7	493	
		3.0	1.1	219	
COB LED		H(m)	D(m)	E(lx)	30°
		1.0	0.5	1150	
		2.0	1.1	288	
		3.0	1.6	128	
COB LED		H(m)	D(m)	E(lx)	40°
		1.0	0.7	795	
		2.0	1.5	199	
		3.0	2.2	88	
COB LED		H(m)	D(m)	E(lx)	60°
		1.0	1.2	650	
		2.0	2.3	163	
		3.0	3.5	72	

Accessories



Honeycomb
AC-301C

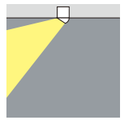


Woven glass
AC-301F



Stripe glass
AC-301D

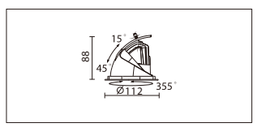


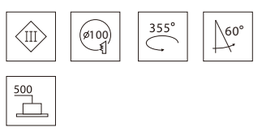


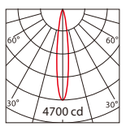
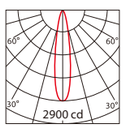
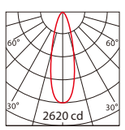
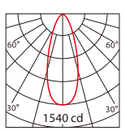
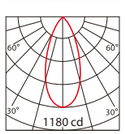
30°
Cut-off

LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 15°/24°/30°
40°/50°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and from
-15 to+45° tilt

DW-302(C12)





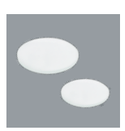
COB LED		H(m)	D(m)	E(lx)	15°
		1.0	0.3	4700	
		2.0	0.5	1175	
		3.0	0.8	522	
COB LED		H(m)	D(m)	E(lx)	24°
		1.0	0.4	2900	
		2.0	0.9	720	
		3.0	1.3	322	
COB LED		H(m)	D(m)	E(lx)	30°
		1.0	0.5	2620	
		2.0	1.1	655	
		3.0	1.6	291	
COB LED		H(m)	D(m)	E(lx)	40°
		1.0	0.7	1540	
		2.0	1.5	385	
		3.0	2.2	171	
COB LED		H(m)	D(m)	E(lx)	50°
		1.0	0.9	1180	
		2.0	1.9	295	
		3.0	2.8	131	

Accessories

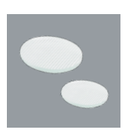


Honeycomb
AC-302C

Honeycomb is only applicable to transparent glass.

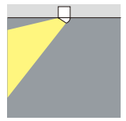


Woven glass
AC-302F



Stripe glass
AC-302D



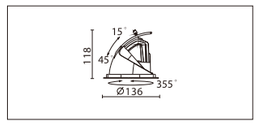


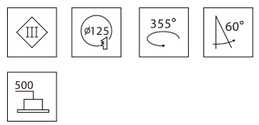
30°
Cut-off

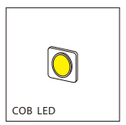
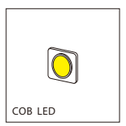
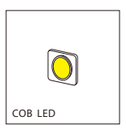
LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and from
-15 to+45° tilt

DW-303(C18)

reddot award 2014
winner





COB LED		H(m)	D(m)	E(lx)	10°
		1.0	0.2	16950	
		2.0	0.3	4238	
		3.0	0.5	1883	
COB LED		H(m)	D(m)	E(lx)	20°
		1.0	0.4	6370	
		2.0	0.7	1593	
		3.0	1.1	708	
COB LED		H(m)	D(m)	E(lx)	30°
		1.0	0.5	3600	
		2.0	1.1	900	
		3.0	1.6	400	
COB LED		H(m)	D(m)	E(lx)	40°
		1.0	0.7	2810	
		2.0	1.5	703	
		3.0	2.2	312	
COB LED		H(m)	D(m)	E(lx)	60°
		1.0	1.2	1850	
		2.0	2.3	463	
		3.0	3.5	206	

Accessories



Honeycomb
AC-303C

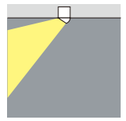


Woven glass
AC-3510F



Stripe glass
AC-350D



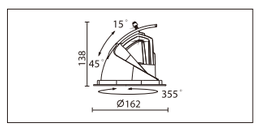


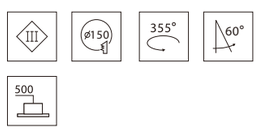
30°
Cut-off

LED : LED (COB)
Power : LED 24W (600mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-24-600-TL
355° rotation and from
-15 to+45° tilt

DW-304(C22)

TAIWAN EXCELLENCE 2014





COB LED		H(m)	D(m)	E(lx)	10°
		1.0	0.2	18650	
		2.0	0.3	4663	
		3.0	0.5	2072	
COB LED		H(m)	D(m)	E(lx)	20°
		1.0	0.4	7030	
		2.0	0.7	1758	
		3.0	1.1	781	
COB LED		H(m)	D(m)	E(lx)	30°
		1.0	0.5	3970	
		2.0	1.1	993	
		3.0	1.6	441	
COB LED		H(m)	D(m)	E(lx)	40°
		1.0	0.7	3080	
		2.0	1.5	770	
		3.0	2.2	342	
COB LED		H(m)	D(m)	E(lx)	60°
		1.0	1.2	2020	
		2.0	2.3	505	
		3.0	3.5	224	

Accessories

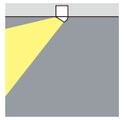
Honeycomb
AC-303C

Woven glass
AC-3510F

Stripe glass
AC-350D

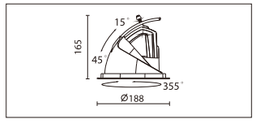


DW-305(C33)





LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 100-240V
Beam Angle : 10°/15°/20°
30°/40°/60°
Driver Type : Independent
Driver : LCD -38-900-TL
355° rotation and from
-15 to+45° tilt







Accessories



Honeycomb
AC-305C

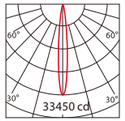


Woven glass
AC-3210F



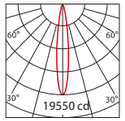
Stripe glass
AC-305D





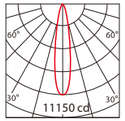
H(m)	D(m)	E(lx) 10°
1.0	0.2	33450
2.0	0.3	8363
3.0	0.5	3717



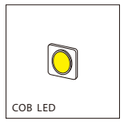


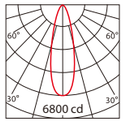
H(m)	D(m)	E(lx) 15°
1.0	0.3	19550
2.0	0.5	4888
3.0	1.0	2172





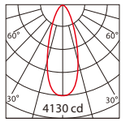
H(m)	D(m)	E(lx) 20°
1.0	0.4	11150
2.0	0.7	2786
3.0	1.1	1239





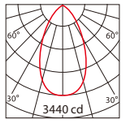
H(m)	D(m)	E(lx) 30°
1.0	0.7	6800
2.0	1.1	1700
3.0	1.6	756





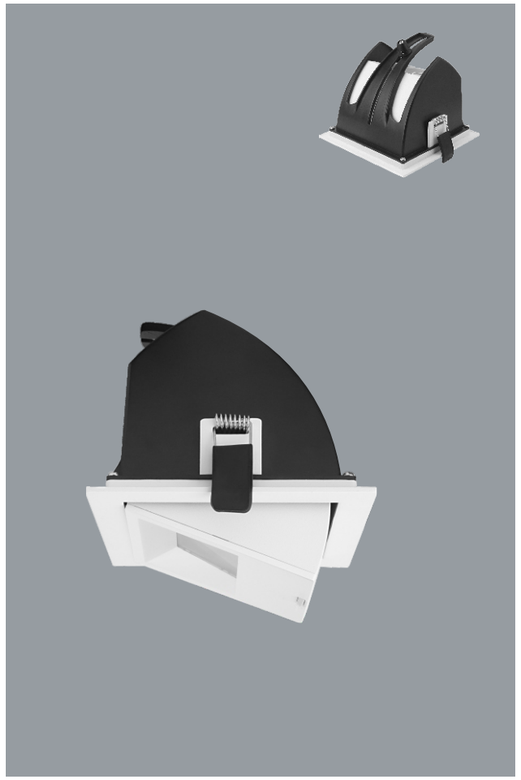
H(m)	D(m)	E(lx) 40°
1.0	0.7	4130
2.0	1.5	1033
3.0	2.2	459

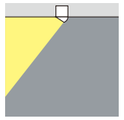




H(m)	D(m)	E(lx) 60°
1.0	1.2	3440
2.0	2.3	860
3.0	3.5	382







Features

- Adjustable gimbal downlight with patent pullable structure design
- The body is 355° horizontally rotatable and the lamp is able to pull 45° downwards and push 15° upwards, which can be adjusted precisely for optimum beam alignment
- 0° as downlight, 15° push-in as half wall washer and 45° pull-out as spotlight
- Asymmetrical light distribution for wallwashing
- Structure designed to keep the ceiling looks tidy without light leakage

Applications

- Accent lighting or wallwashing for exhibitions and commercial applications.





DL-301Q(C18)
LED 19.5W(500mA)





DW-302Q(C33)
LED 35.5W(900mA)

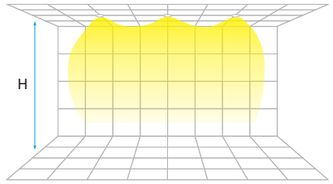


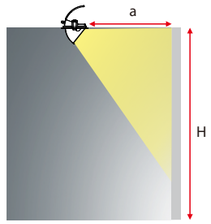
Flexible Swing



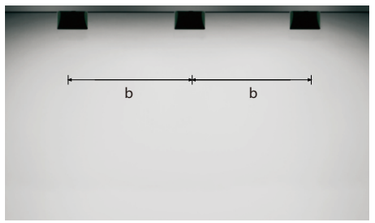
0° 15° Push-in 45° Pull-out

Installation Advice



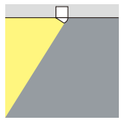


(DL-301Q) Best distance a : 0.5~0.75M
(DW-302Q) Best distance a : 0.5~0.75M



(DL-301Q) Best distance b =a
(DW-302Q) Best distance b =a

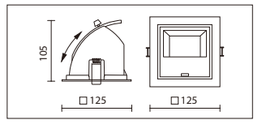




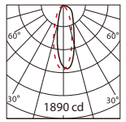
LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Driver Type : Independent
Driver : LCD-20-500-TL
-15 to+45° tilt



DL-301Q(C18)

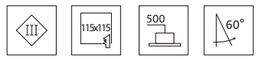




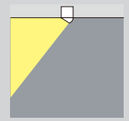


H(m)	E(lx)
1.0	1890
2.0	473
3.0	210

C90-270 ·····
C0-180 ——



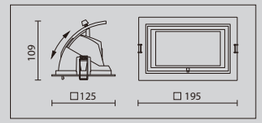




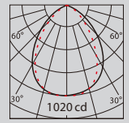
LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Driver Type : Independent
Driver : LCD -38-900-TL
-15 to+45° tilt



DW-302Q(C33)







H(m)	E(lx)
1.0	1020
2.0	255
3.0	113

C90-270 ·····
C0-180 ——





Features

- Adjustable downlight with slidable stems
- Push in: as a downlight with 30° cut-off angle
- Pull out: as an adjustable spotlight which is 90° upside down tiltable and 355° rotatable
- Professional optical design for glare-proof which ensures visual comfort

Applications

- Accent lighting or wallwashing for galleries and commercial applications.





RA-771R(C12)
LED 14W(350mA)

ø100



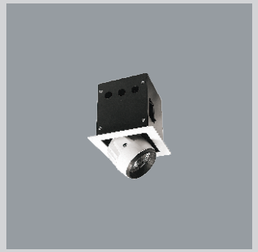
RA-751R(C18)
LED 19.5W(500mA)

ø130



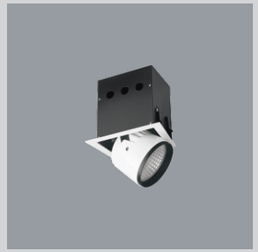
RA-721R(C33)
LED 35.5W(900mA)

ø175



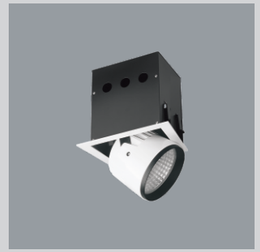
RA-7711(C12)
LED 14W(350mA)

90x90



RA-7511(C18)
LED 19.5W(500mA)

125x125



RA-7211(C33)
LED 35.5W(900mA)

160x160



RA-7712(C12)
LED 14W x2(350mA)

90x158



RA-7512(C18)
LED 19.5W x2(500mA)

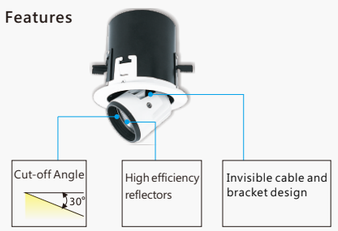
125x229



RA-7212(C33)
LED 35.5W x2(900mA)

160x295

Features



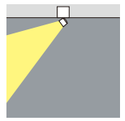
Various Spotlight Angles





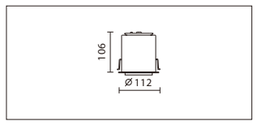


RA-771R(C12)

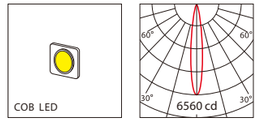




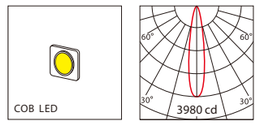
LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 15°/24°/30°
40°/50°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 70° tilt



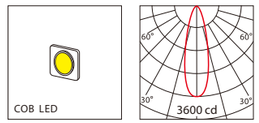




H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729



H(m)	D(m)	E(lx) 24°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442



H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400

Accessories



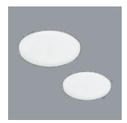
Honeycomb

DL-77-AC2



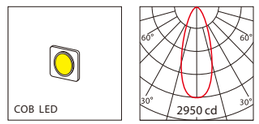
Stretching film

AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060

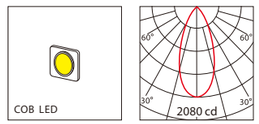


Woven glass

AC-770F



H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328

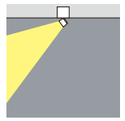


H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231



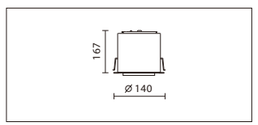


RA-751R(C18)

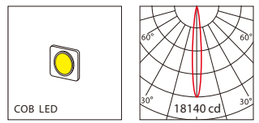




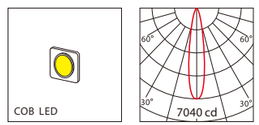
LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and 90° tilt



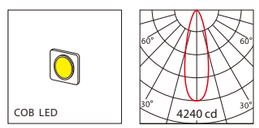




H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016



H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782



H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

Accessories



Honeycomb

DL-75-AC2



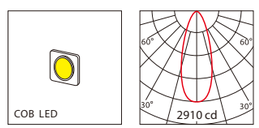
Stretching film

AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060

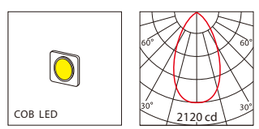


Woven glass

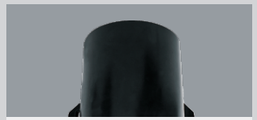
AC-3510F



H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323



H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236





RA-721R(C33)

LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 10°/15°/20°
30°/40°/60°
Driver Type : Independent
Driver : LCD-38-900-TL
355° rotation and 90° tilt

H(m)	D(m)	E(lx) 10°
1.0	0.2	33620
2.0	0.3	8405
3.0	0.5	3736

H(m)	D(m)	E(lx) 15°
1.0	0.3	17930
2.0	0.5	4483
3.0	0.8	1992

H(m)	D(m)	E(lx) 20°
1.0	0.4	10670
2.0	0.7	2668
3.0	1.1	1186

Accessories

Honeycomb

DL-7-AC2

Stretching film

AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060

Woven glass

AC-3210F

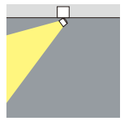
H(m)	D(m)	E(lx) 30°
1.0	0.5	7400
2.0	1.1	1850
3.0	1.6	822

H(m)	D(m)	E(lx) 40°
1.0	0.7	4100
2.0	1.5	1025
3.0	2.2	456

H(m)	D(m)	E(lx) 60°
1.0	1.2	3150
2.0	2.3	788
3.0	3.5	350

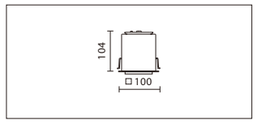


RA-7711(C12)



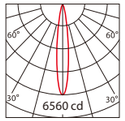
30°
Cut-off

LED : LED (COB)
Power : LED 14W (350mA)
Input : AC 220-240V
Beam Angle : 15°/24°/30°
40°/50°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 70° tilt



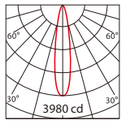




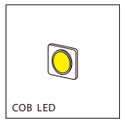


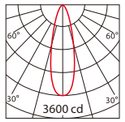
H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729





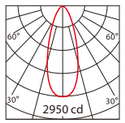
H(m)	D(m)	E(lx) 24°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442



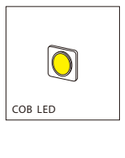


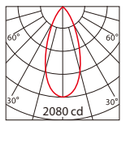
H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400





H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328





H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231

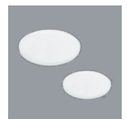
Accessories



Honeycomb
DL-77-AC2



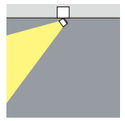
Stretching film
AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060



Woven glass
AC-770F

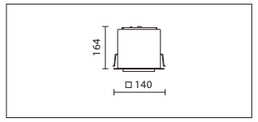


RA-7511(C18)



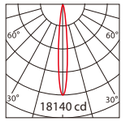
30°
Cut-off

LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and 90° tilt



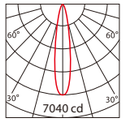






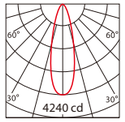
H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016





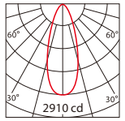
H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782





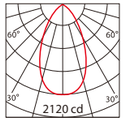
H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471





H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323



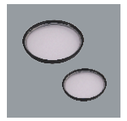


H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

Accessories



Honeycomb
DL-75-AC2



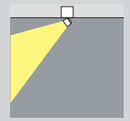
Stretching film
AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060



Woven glass
AC-3510F

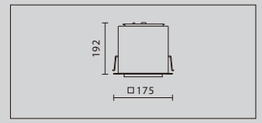


RA-7211(C33)



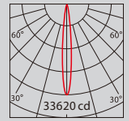
30°
Cut-off

LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 10°/15°/20°
30°/40°/60°
Driver Type : Independent
Driver : LCD-38-900-TL
355° rotation and 90° tilt









H(m)	D(m)	E(lx) 10°
1.0	0.2	33620
2.0	0.3	8405
3.0	0.5	3736

H(m)	D(m)	E(lx) 15°
1.0	0.3	17930
2.0	0.5	4483
3.0	0.8	1992

H(m)	D(m)	E(lx) 20°
1.0	0.4	10670
2.0	0.7	2668
3.0	1.1	1186

H(m)	D(m)	E(lx) 30°
1.0	0.5	7400
2.0	1.1	1850
3.0	1.6	822

H(m)	D(m)	E(lx) 40°
1.0	0.7	4100
2.0	1.5	1025
3.0	2.2	456

Accessories

Honeycomb
DL-7-AC2

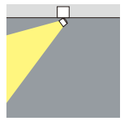
Stretching film
AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060

Woven glass
AC-3210F

H(m)	D(m)	E(lx) 60°
1.0	1.2	3150
2.0	2.3	788
3.0	3.5	350

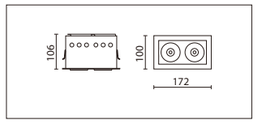


RA-7712(C12)

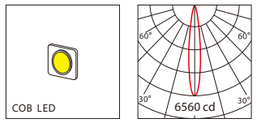




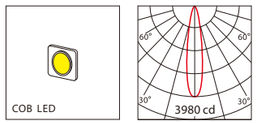
LED : LED (COB)
Power : LED 14W x2 (350mA)
Input : AC 220-240V
Beam Angle : 15°/24°/30°
40°/50°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 70° tilt



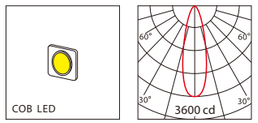




H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729



H(m)	D(m)	E(lx) 24°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442



H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400

Accessories



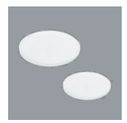
Honeycomb

DL-77-AC2



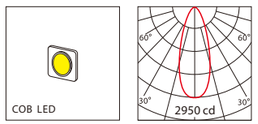
Stretching film

AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060

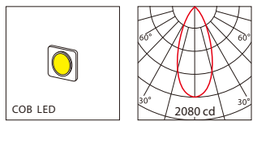


Woven glass

AC-770F



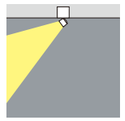
H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328



H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231

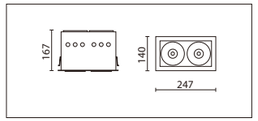


RA-7512(C18)

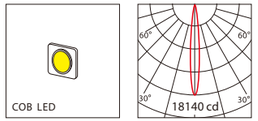




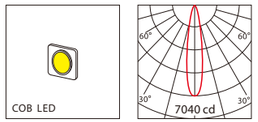
LED : LED (COB)
Power : LED 19.5W x2 (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-20-500-TL
355° rotation and 90° tilt



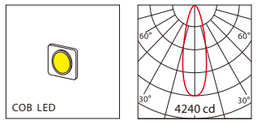




H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016



H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782



H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

Accessories



Honeycomb

DL-75-AC2



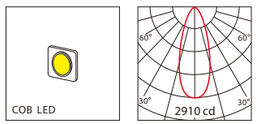
Stretching film

AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060

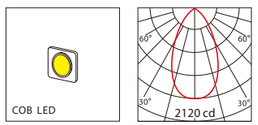


Woven glass

AC-3510F



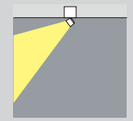
H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323



H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

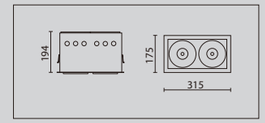


RA-7212(C33)





LED : LED (COB)
Power : LED 35.5W x2 (900mA)
Input : AC 220-240V
Beam Angle : 10°/15°/20°
30°/40°/60°
Driver Type : Independent
Driver : LCD-38-900-TL
355° rotation and 90° tilt



H(m)	D(m)	E(lx) 10°
1.0	0.2	33620
2.0	0.3	8405
3.0	0.5	3736

H(m)	D(m)	E(lx) 15°
1.0	0.3	17930
2.0	0.5	4483
3.0	0.8	1992

H(m)	D(m)	E(lx) 20°
1.0	0.4	10670
2.0	0.7	2668
3.0	1.1	1186

Accessories

Honeycomb

DL-7-AC2

Stretching film

AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060

Woven glass

AC-3210F

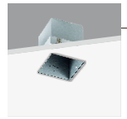
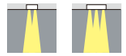
H(m)	D(m)	E(lx) 30°
1.0	0.5	7400
2.0	1.1	1850
3.0	1.6	822

H(m)	D(m)	E(lx) 40°
1.0	0.7	4100
2.0	1.5	1025
3.0	2.2	456

H(m)	D(m)	E(lx) 60°
1.0	1.2	3150
2.0	2.3	788
3.0	3.5	350

Assemblies



	Model	Page
 	DW-932B Series	P. 165
 	DW-891	P. 168
 	DL-802T Series	P. 169
 	DL-802SD Series	P. 173
  	DL-771B ~ DL-721B Series DL-771 W~ DL-721W Series	P. 177-200

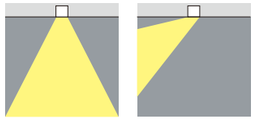


Features

- Separate downlight housing
- Compatible with TONS LED lamps (P. 168) or other MR16 bulbs
- Tiltable 20° vertically
- 30° cut-off angle for anti-dazzling
- A separated built-in frame, won't do damage on the ceiling while replacing the light source, help to enhance the efficiency of installation

Applications

- Adjustable downlight for low ceiling spaces; such as hotels, restaurants, KTV or residential applications.







DW-932B



DW-891



DW-933B



DW-933G



DW-881

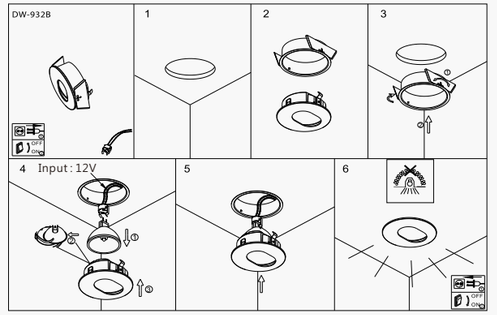
Component Parts

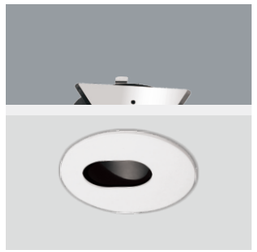


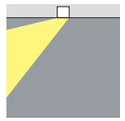
Pre built-in frame



Installation Advice



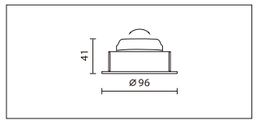




Lamp : MR-16
Lampholder : GU5.3
20° tilt



DW-932B

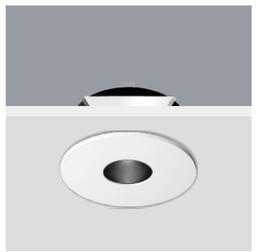


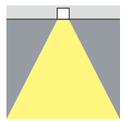




Accessories

Honeycomb
DL-77-AC2





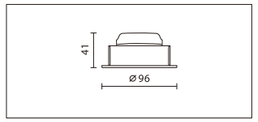
Lamp : MR-16
Lampholder : GU5.3

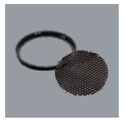


Accessories

Honeycomb
DL-77-AC2

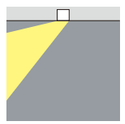
DW-933B











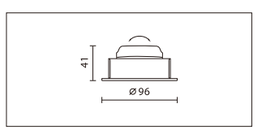
Lamp : MR-16
Lampholder : GU5.3
20° tilt



Accessories

Honeycomb
DL-77-AC2

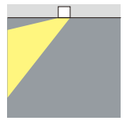
DW-933G











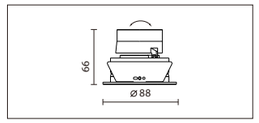
Lamp : MR-16
Lampholder : GU5.3
20° tilt



Accessories

Honeycomb
DL-77-AC2

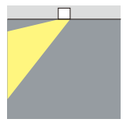
DW-881











Lamp : MR-16
Lampholder : GU5.3
25° tilt

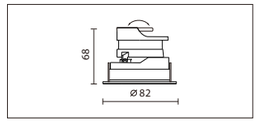
Not applicable : MD-B35

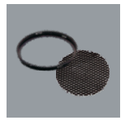


Accessories

Honeycomb
DL-77-AC2

DW-891







Optional Lamps

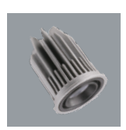
MD-C001
LED 9W(700mA)



MD-D001
LED 9.5W(450mA)



MD-E001
LED 12W(300mA)



MD-B35
LED 6W(350mA)



MR-16
AC 12V,50W



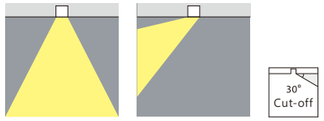


Features

- Separate downlight housing with narrow frame
- Compatible with TONS LED lamps (P. 171~172) or other MR16 bulbs
- Special lamp holder structure designed to replace the module lamps easily

Applications

- Adjustable downlight for low ceiling spaces; such as hotels, restaurants, KTV or residential applications.







DL-802





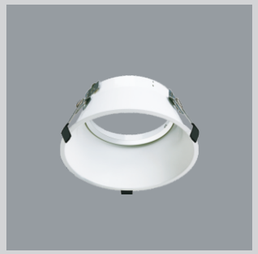
DL-802P





DL-802T

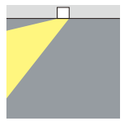




DL-805



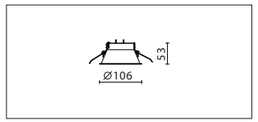




Material : Aluminum
swingable lamp for
adjusting beam angle



DL-802





Optional Lamps for DL-802/P/T

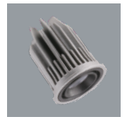
MD-C001
LED 9W(700mA)



MD-D001
LED 9.5W(450mA)



MD-E001
LED 12W(300mA)



MD-B35
LED 6W(350mA)



MR-16
AC 12V,50W



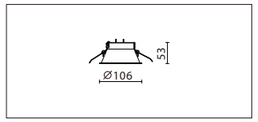




Material : Aluminum

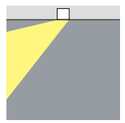


DL-802P





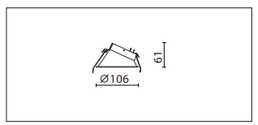




Material : Aluminum

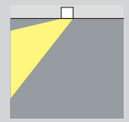


DL-802T





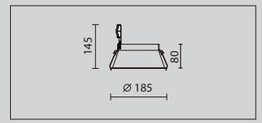




Material : Aluminum
swingable lamp for
adjusting beam angle



DL-805





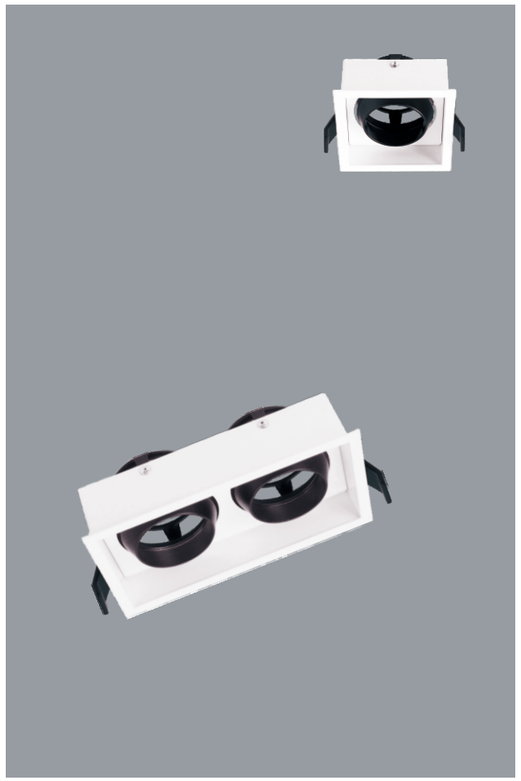
Optional Lamps for DL-805

MD-R111C(C18)
LED 19.5W(500mA)



AR-111
12V,50W



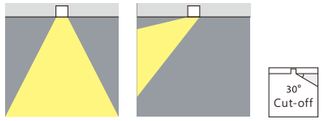


Features

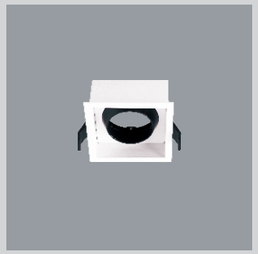
- Recessed box downlight housing
- Tiltable 20° structure for the lamps
- Compatible with TONS LED lamps (P. 176) or other MR16 bulbs
- Deep glare-proof structure, 30° cut-off angle for anti-dazzling when light emitting directly onto the floor
- Special lamp holder structure designed to replace the lamps easily
- Narrow frame, to make the ceiling look tidy

Applications

- Ideal for exhibitions, commercial and residential applications.







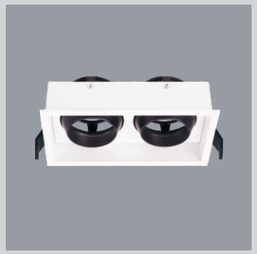
DL-812SN





DL-812SD





DL-822SD

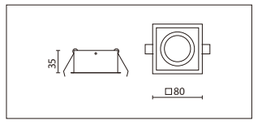






Material : Aluminum

DL-812SN



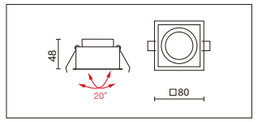






Material : Aluminum
swingable lamp for
adjusting beam angle

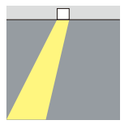
DL-812SD





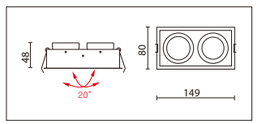






Material : Aluminum
swingable lamp for
adjusting beam angle

DL-822SD







Optional Lamps

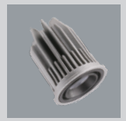
MD-C001
LED 9W(700mA)



MD-D001
LED 9.5W(450mA)



MD-E001
LED 12W(300mA)



MD-B35
LED 6W(350mA)

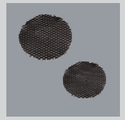


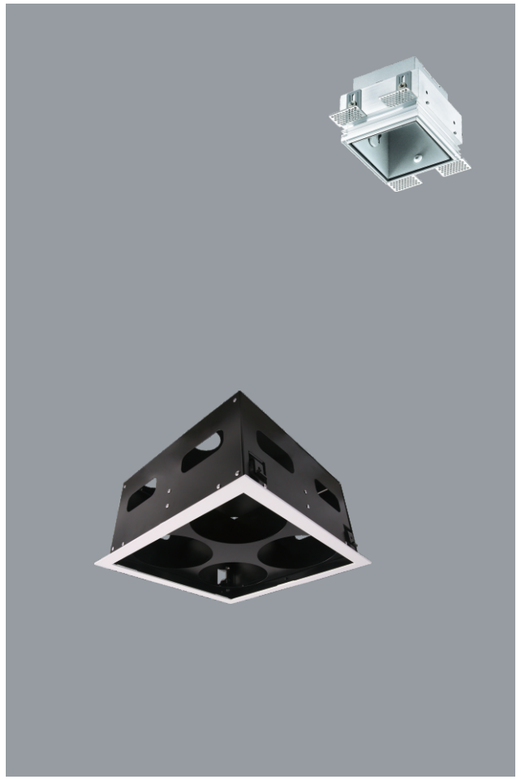
MR-16
AC 12V,50W



Accessories

Honeycomb
AC-881







Features

- Recessed box downlight housing with frame or trimless
- Combinations: 1 / 1x2 / 1x3 / 2x2; different lamps are available
- Tiltable 20°, which can be adjusted precisely for optimum beam alignment
- Some lamps are compatible with multi-angle reflectors, offer more choices
- Accurate optical design and special light treatment technology ensures high efficiency light output
- 30° cut-off angle to avoid discomfort glare
- Special lamp holder structure designed to replace the lamps easily

Applications

- Ideal for exhibitions, commercial and residential applications.





DL-771B





DL-772B





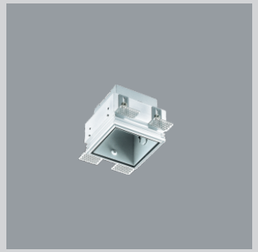
DL-773B





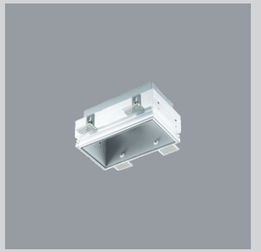
DL-774BS





DL-771W





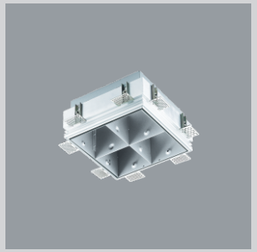
DL-772W





DL-773W





DL-774WSQ



Optional Lamps



HD-77(MD-C001)
LED 9W(700mA)



HD-77(MD-D001)
LED 9.5W(450mA)



HD-77(MD-E001)
LED 12W(300mA)



HD-77(A-010)
LED 12W(300mA)



HD-77(MR-16)
MR-16 12V / 50W max.

Frame Type

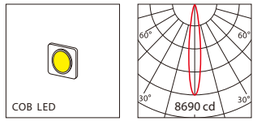




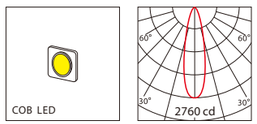




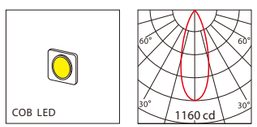
LED : LED (COB)
Power : LED 9W (700mA)
Input : AC 100-240V
Beam Angle : 12°/24°/38°
Driver Type : Independent
Driver : LIC 9W-700-Z UNI
20° tilt



H(m)	D(m)	E(lx) 12°
1.0	0.2	8690
2.0	0.4	2173
3.0	0.6	966

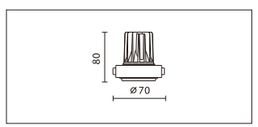


H(m)	D(m)	E(lx) 24°
1.0	0.4	2760
2.0	0.7	690
3.0	1.3	307

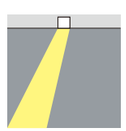


H(m)	D(m)	E(lx) 38°
1.0	0.7	1160
2.0	1.4	290
3.0	2.1	129

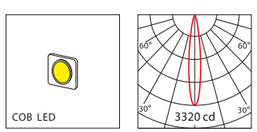
HD-77(MD-C001)



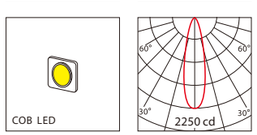




LED : LED (COB)
Power : LED 9.5W (450mA)
Input : AC 220-240V
Beam Angle : 15°/24°/36°
Driver Type : Independent
Driver : LCD-12-0450-NLE
20° tilt

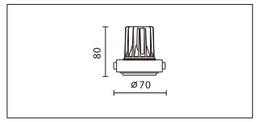


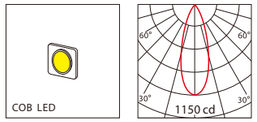
H(m)	D(m)	E(lx) 15°
1.0	0.3	3320
2.0	0.5	830
3.0	0.8	369



H(m)	D(m)	E(lx) 24°
1.0	0.4	2250
2.0	0.7	563
3.0	1.3	250

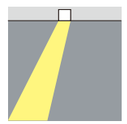
HD-77(MD-D001)





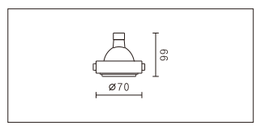
H(m)	D(m)	E(lx) 36°
1.0	0.6	1150
2.0	1.3	288
3.0	1.9	128





Lamp : MR-16
Lampholder : GU5.3
Power : AC 12V/50W
Beam Angle : 36°
Driver Type : Independent
30° tilt

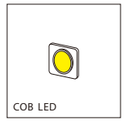
HD-77(MR-16)







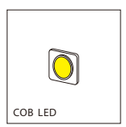
LED : LED (COB)
Power : LED 12W (300mA)
Input : AC 100-240V
Beam Angle : 25°/35°/42°
50°/60°
Driver Type : Independent
Driver : LMC15W300-Z
20° tilt



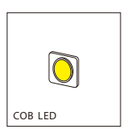
H(m)	D(m)	E(lx) 25°
1.0	0.4	2800
2.0	0.9	700
3.0	1.3	311



H(m)	D(m)	E(lx) 35°
1.0	0.7	1760
2.0	1.3	440
3.0	1.9	195



H(m)	D(m)	E(lx) 42°
1.0	0.7	1405
2.0	1.5	351
3.0	2.2	156

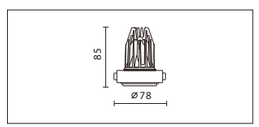


H(m)	D(m)	E(lx) 50°
1.0	0.9	1175
2.0	1.9	294
3.0	2.8	131



H(m)	D(m)	E(lx) 60°
1.0	1.2	720
2.0	2.3	180
3.0	3.5	80

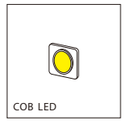
HD-77(MD-E001)







LED : LED (COB)
Power : LED 12W (300mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Independent
Driver : LMC15W300-Z
20° tilt



H(m)	D(m)	E(lx) 12°
1.0	0.2	6990
2.0	0.4	1748
3.0	0.6	777



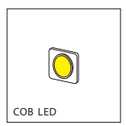
H(m)	D(m)	E(lx) 20°
1.0	0.4	4375
2.0	0.7	1094
3.0	1.1	486



H(m)	D(m)	E(lx) 30°
1.0	0.5	3040
2.0	1.1	760
3.0	1.6	338

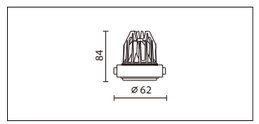


H(m)	D(m)	E(lx) 40°
1.0	0.7	1925
2.0	1.5	481
3.0	2.2	214



H(m)	D(m)	E(lx) 50°
1.0	0.9	1225
2.0	1.9	306
3.0	2.8	136

HD-77(A-O10)



Accessories



Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Available beam angle : 12°~30°
Suitable for : HD-77(A-O10)



Honeycomb
DL-77-AC2



Stretching film
AC-C50S-013040
AC-C50S-014060
AC-C50S-017053
AC-C50S-022067
AC-C50S-033060





Material : Iron

Optional Lamps

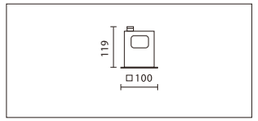








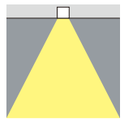
DL-771B











Material : Iron

Optional Lamps

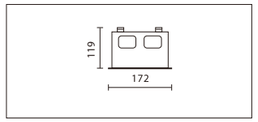








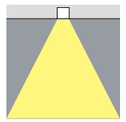
DL-772B











Material : Iron

Optional Lamps

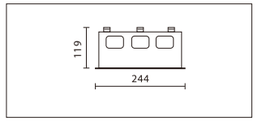








DL-773B











Material : Iron

Optional Lamps

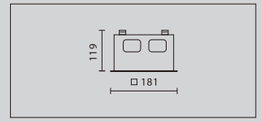








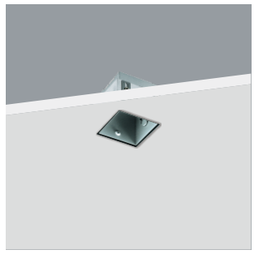
DL-774BS











DL-771W



Material : Iron

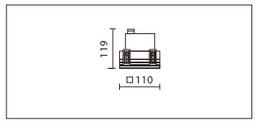
Optional Lamps









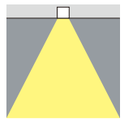








DL-772W



Material : Iron

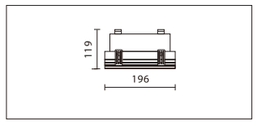
Optional Lamps









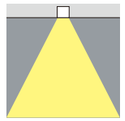








DL-773W



Material : Iron

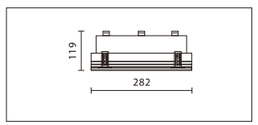
Optional Lamps

















DL-774WSQ



Material : Iron

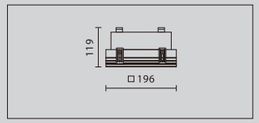
Optional Lamps







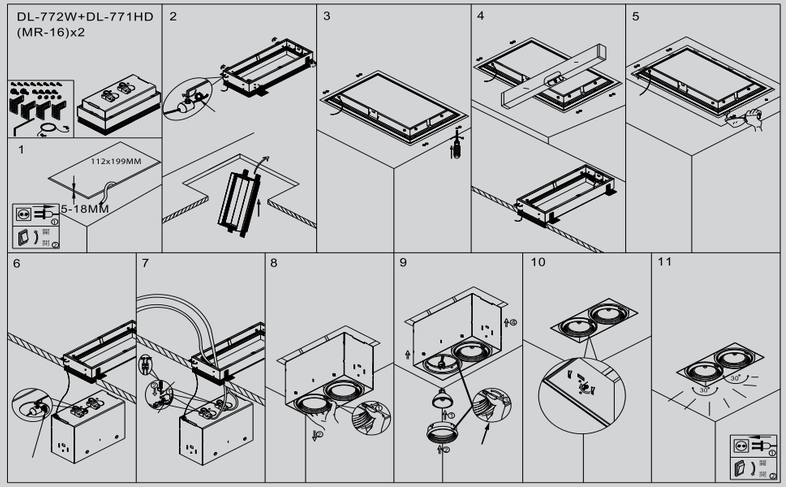




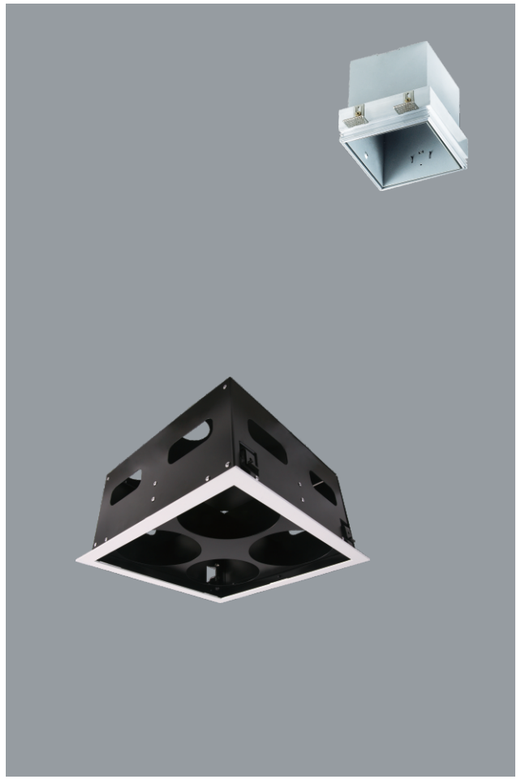




Installation Advice









Features

- Recessed box downlight housing with frame or trimless
- Combinations: 1 / 1x2 / 1x3 / 2x2; different lamps are available
- Tiltable 20°, which can be adjusted precisely for optimum beam alignment
- Some lamps are compatible with multi-angle reflectors, offer more choices
- Accurate optical design and special light treatment technology ensures high efficiency light output
- 30° cut-off angle to avoid discomfort glare
- Special lamp holder structure designed to replace the lamps easily

Applications

- Ideal for exhibitions, commercial and residential applications.





DL-751B





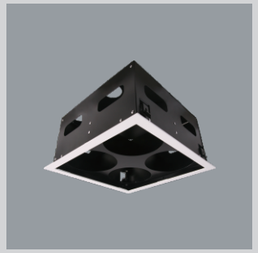
DL-752B





DL-753B





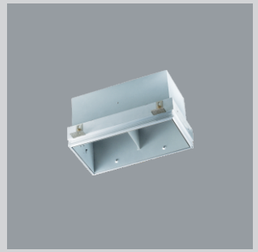
DL-754BS





DL-751W





DL-752W





DL-753W





DL-754WSQ



Optional Lamps



HD-75(A-C18)
LED 19.5W(500mA)

Frame Type

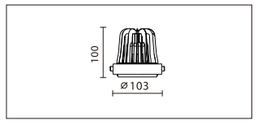




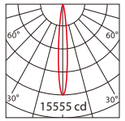
HD-75(A-C18)



LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-20-500-TL
20° tilt

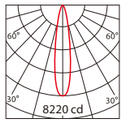






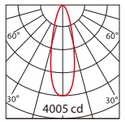
H(m)	D(m)	E(lx) 10°
1.0	0.2	15555
2.0	0.3	3889
3.0	0.5	1728





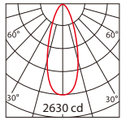
H(m)	D(m)	E(lx) 20°
1.0	0.4	8220
2.0	0.7	2055
3.0	1.1	913





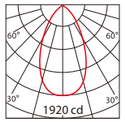
H(m)	D(m)	E(lx) 30°
1.0	0.5	4005
2.0	1.1	1001
3.0	1.6	445





H(m)	D(m)	E(lx) 40°
1.0	0.7	2630
2.0	1.5	658
3.0	2.2	292





H(m)	D(m)	E(lx) 60°
1.0	1.2	1920
2.0	2.3	480
3.0	3.5	213

Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO

Available beam angle:
12°~30°



Honeycomb
DL-75-AC2



Stretching film
AC-C82S-013040
AC-C82S-014060
AC-C82S-017053
AC-C82S-022067
AC-C82S-033060



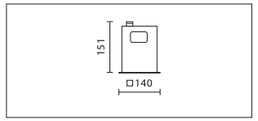




Material : Iron

DL-751B

Optional Lamps







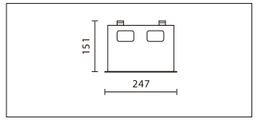




Material : Iron

DL-752B

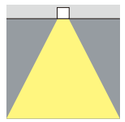
Optional Lamps







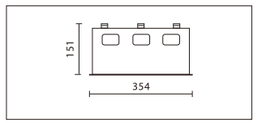




Material : Iron

DL-753B

Optional Lamps







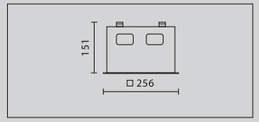




Material : Iron

DL-754BS

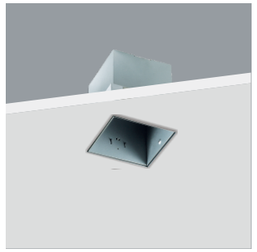
Optional Lamps









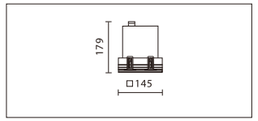




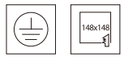
Material : Iron

DL-751W

Optional Lamps







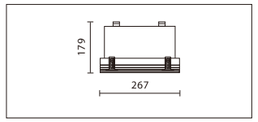




Material : Iron

DL-752W

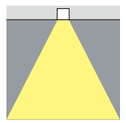
Optional Lamps







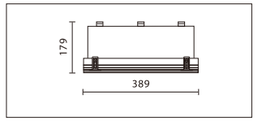




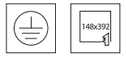
Material : Iron

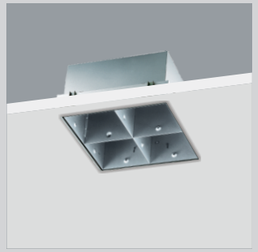
DL-753W

Optional Lamps







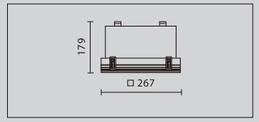




Material : Iron

DL-754WSQ

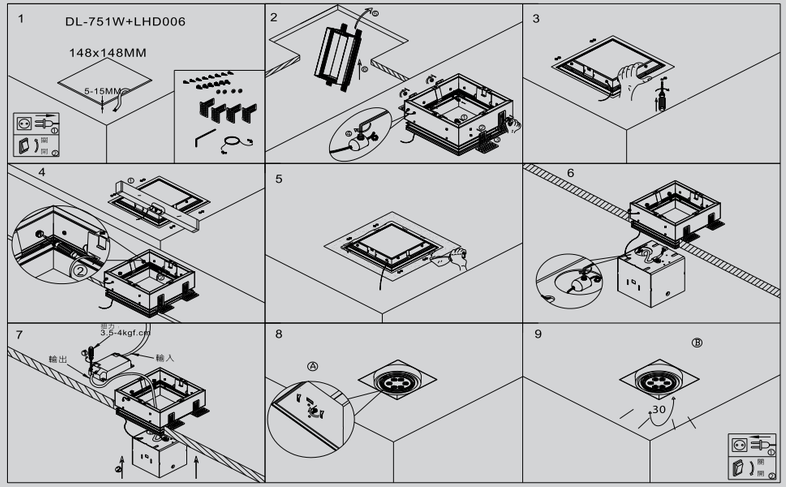
Optional Lamps



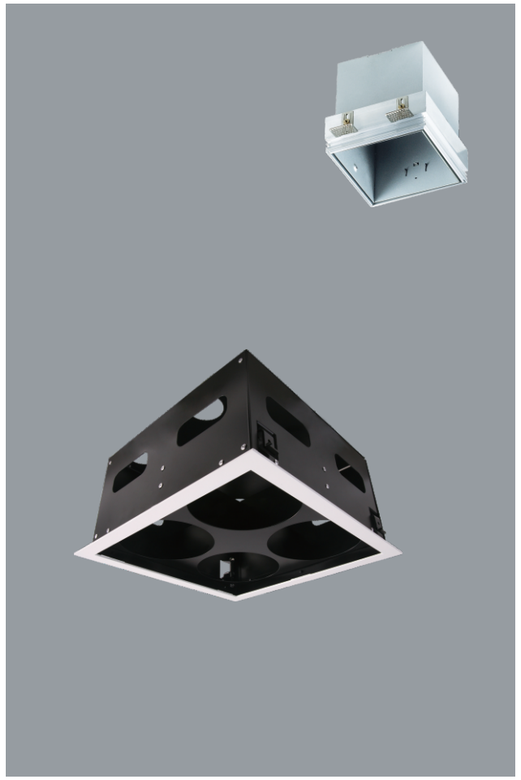




Installation Advice









Features

- Recessed box downlight housing with frame or trimless
- Combinations: 1 / 1x2 / 1x3 / 2x2; different lamps are available
- Tiltable 20°, which can be adjusted precisely for optimum beam alignment
- Some lamps are compatible with multi-angle reflectors, offer more choices
- Accurate optical design and special light treatment technology ensures high efficiency light output
- 30° cut-off angle to avoid discomfort glare
- Special lamp holder structure designed to replace the lamps easily

Applications

- Ideal for exhibitions, commercial and residential applications.





DL-721B





DL-722B





DL-723B





DL-724BS





DL-721W





DL-722W





DL-723W





DL-724WSQ



Optional Lamps

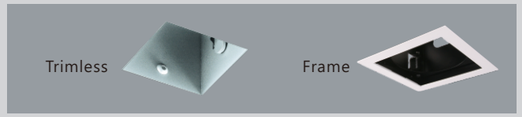


HD-72(A-C33)
LED 35.5W(900mA)



HD-72(MD-R111C)
LED 19.5W(500mA)

Frame Type



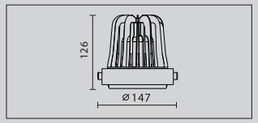


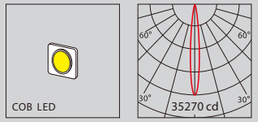


HD-72(A-C33)

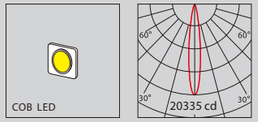


LED : LED (COB)
Power : LED 35.5W (900mA)
Input : AC 220-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Independent
Driver : LCD-38-900-TL
20° tilt

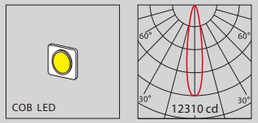




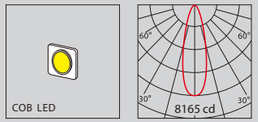
H(m)	D(m)	E(lx) 12°
1.0	0.2	35270
2.0	0.4	8818
3.0	0.6	3919



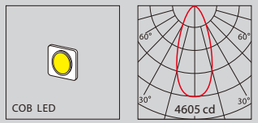
H(m)	D(m)	E(lx) 15°
1.0	0.3	20335
2.0	0.5	5084
3.0	0.8	2260



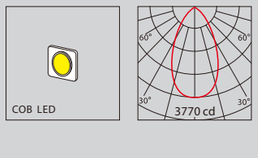
H(m)	D(m)	E(lx) 20°
1.0	0.4	12310
2.0	0.7	3078
3.0	1.1	1368



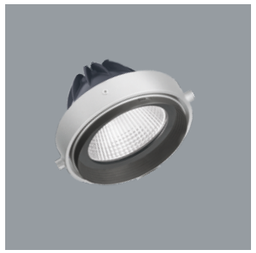
H(m)	D(m)	E(lx) 30°
1.0	0.5	8265
2.0	1.1	2156
3.0	1.6	958



H(m)	D(m)	E(lx) 40°
1.0	0.7	4605
2.0	1.5	1151
3.0	2.2	512



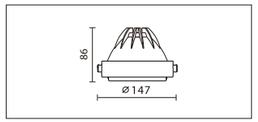
H(m)	D(m)	E(lx) 60°
1.0	1.2	3770
2.0	2.3	943
3.0	3.5	419



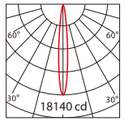
HD-72(MD-R111C)



LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-20-500-TL
20° tilt

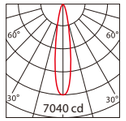






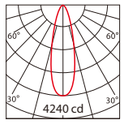
H(m)	D(m)	E(lx) 12°
1.0	0.2	18140
2.0	0.4	4535
3.0	0.6	2016





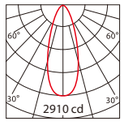
H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782





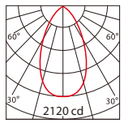
H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471





H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323





H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

Accessories



Anti-glare louver

AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO

Available beam angle:
12°~30°



Honeycomb

DL-7-AC2



Stretching film

AC-C111S-013040
AC-C111S-014060
AC-C111S-017053
AC-C111S-022067
AC-C111S-033060

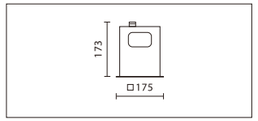




Material : Iron

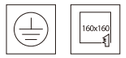
DL-721B

Optional Lamps




HD-72(A-C33)


HD-72(MD-R111C)



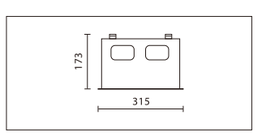




Material : Iron

DL-722B

Optional Lamps

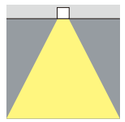



HD-72(A-C33)


HD-72(MD-R111C)



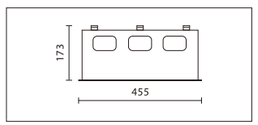




Material : Iron

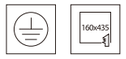
DL-723B

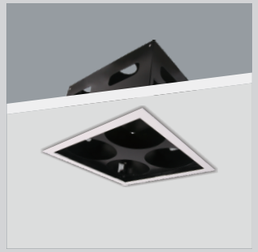
Optional Lamps




HD-72(A-C33)


HD-72(MD-R111C)



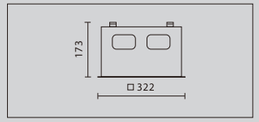




Material : Iron

DL-724BS

Optional Lamps

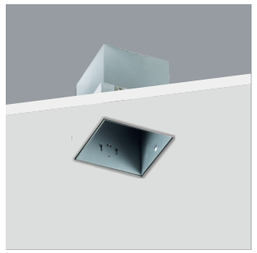



HD-72(A-C33)


HD-72(MD-R111C)



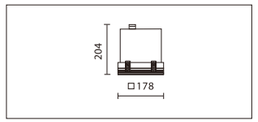




DL-721W



Material : Iron

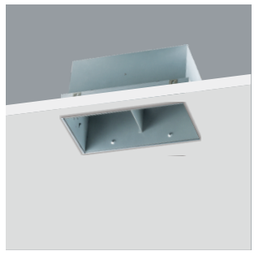


Optional Lamps

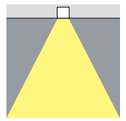






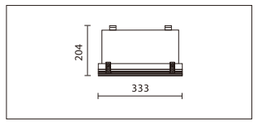


DL-722W



Material : Iron

Optional Lamps



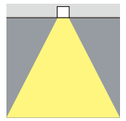






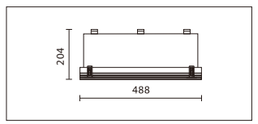


DL-723W



Material : Iron

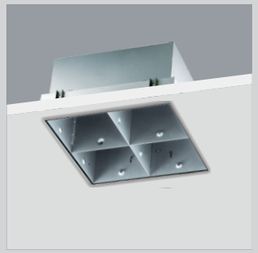
Optional Lamps







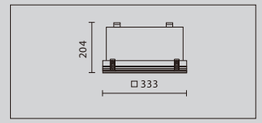




DL-724WSQ



Material : Iron



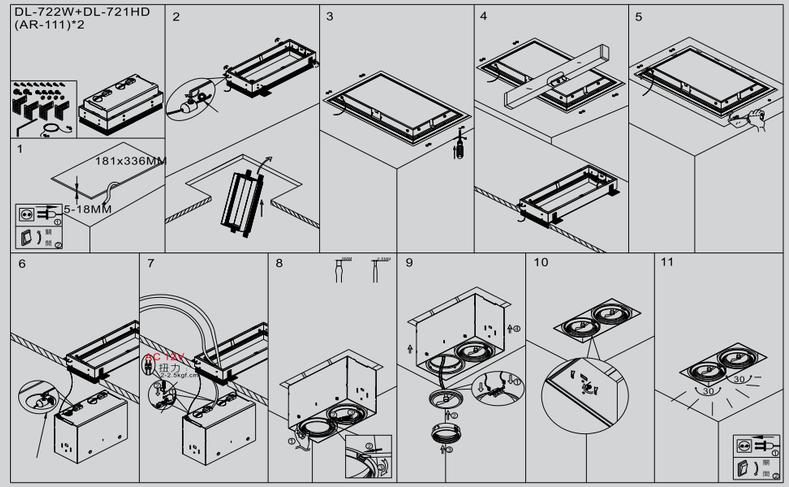
Optional Lamps







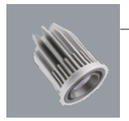
Installation Advice





LED lamps



	Model	Page
	MD-B35	P. 205
	MD-C001	P. 205
	MD-D001	P. 205
	MD-E001	P. 206
	MD-R111C	P. 206

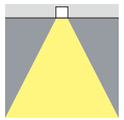


Features

- High quality LED with high luminous efficiency
- Unique heat dissipation structure, ensures stable and long lifespan of the light source
- 30° cut-off angle, mellow and even light output ensures visual comfort
- 3 color temperatures, optional beam angles
- Replacements for traditional light bulbs

Applications

- Ideal for lighting renewal projects of galleries, museums, residential and commercial applications.







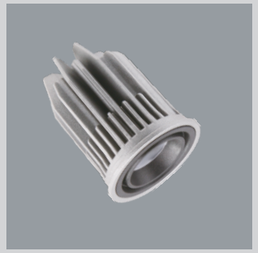
MD-B35
LED 6W(350mA)



MD-C001
LED 9W(700mA)



MD-D001
LED 9.5W(450mA)



MD-E001
LED 12W(300mA)



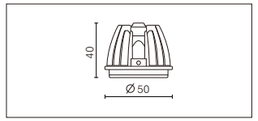
MD-R111C(C18)
LED 19.5W(500mA)





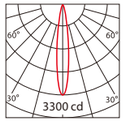
LED : LED (COB)
Power : LED 6W (350mA)
Input : AC 220-240V
Beam Angle : 15°/24°/36°/45°
Driver Type : Independent
Driver : LSC6W350-Z

MD-B35



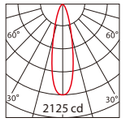






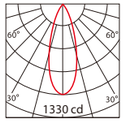
H(m)	D(m)	E(lx) 15°
1.0	0.3	3300
2.0	0.5	825
3.0	1.0	367





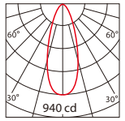
H(m)	D(m)	E(lx) 24°
1.0	0.4	2125
2.0	0.9	531
3.0	1.3	236





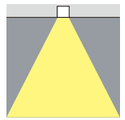
H(m)	D(m)	E(lx) 36°
1.0	0.6	1330
2.0	1.3	333
3.0	1.9	148





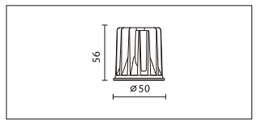
H(m)	D(m)	E(lx) 45°
1.0	0.8	940
2.0	1.7	235
3.0	2.5	104





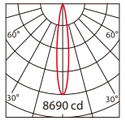
LED : LED (COB)
Power : LED 9W (700mA)
Input : AC 100-240V
Beam Angle : 12°/24°/38°
Driver Type : Independent
Driver : LIC9W 700-Z

MD-C001



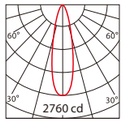






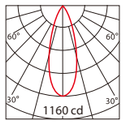
H(m)	D(m)	E(lx) 12°
1.0	0.2	8690
2.0	0.4	2173
3.0	0.6	966





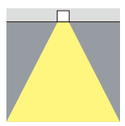
H(m)	D(m)	E(lx) 24°
1.0	0.4	2760
2.0	0.7	690
3.0	1.3	307





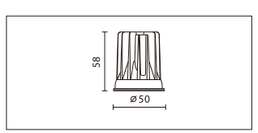
H(m)	D(m)	E(lx) 38°
1.0	0.6	1160
2.0	1.3	290
3.0	1.9	129



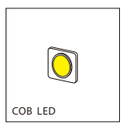


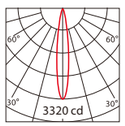
LED : LED (COB)
Power : LED 9.5W (450mA)
Input : AC 100-240V
Beam Angle : 15°/24°/36°
Driver Type : Independent
Driver : LIC9W450-Z

MD-D001

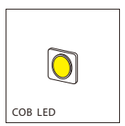


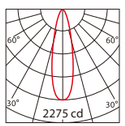




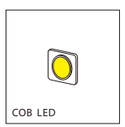


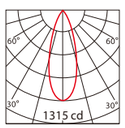
H(m)	D(m)	E(lx) 15°
1.0	0.3	3320
2.0	0.5	830
3.0	1.0	369



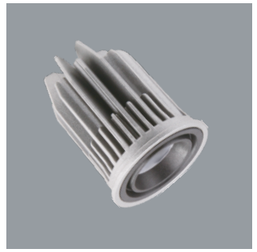


H(m)	D(m)	E(lx) 24°
1.0	0.4	2275
2.0	0.7	569
3.0	1.3	253





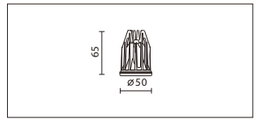
H(m)	D(m)	E(lx) 36°
1.0	0.6	1315
2.0	1.3	329
3.0	1.9	146



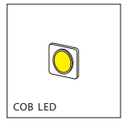


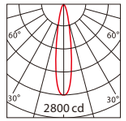
LED : LED (COB)
Power : LED 12W (300mA)
Input : AC 220-240V
Beam Angle : 25°/35°/42°
50°/60°
Driver Type : Independent
Driver : LMC15W300-Z

MD-E001



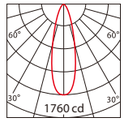






H(m)	D(m)	E(lx) 25°
1.0	0.4	2800
2.0	0.9	700
3.0	1.3	311





H(m)	D(m)	E(lx) 35°
1.0	0.6	1760
2.0	1.3	440
3.0	1.9	195

H(m)	D(m)	E(lx) 42°
1.0	0.7	1405
2.0	1.5	351
3.0	2.2	156

H(m)	D(m)	E(lx) 50°
1.0	0.9	1175
2.0	1.9	294
3.0	2.8	131

H(m)	D(m)	E(lx) 60°
1.0	1.2	720
2.0	2.3	180
3.0	3.5	80

LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 220-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Independent
Driver : LCD-20-500-TL

MD-R111C(C18)

H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016

H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782

H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

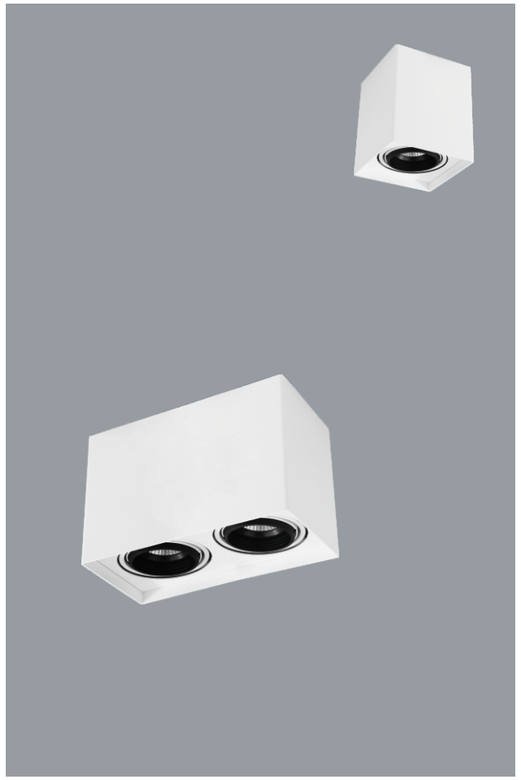
H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323

H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

Surface-Mount Ceiling Lights



	Model	Page
 	WA-771B Series	P. 209
 	WG-912C Series	P. 213
 	WG-982C Series	P. 216
 	WG-705R	P. 217
 	WG-706S	P. 220
 	WG-806R	P. 220



Features

- Magnetic front cover without screws, a smooth contour design
- Deep anti-glare structure ensures visual comfort

Applications

- Ideal for exhibitions, commercial and residential applications.



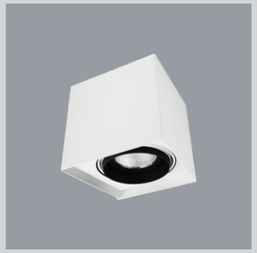




WA-771B(MD-D001)
LED 7W(350mA)



WA-772B(MD-D001)
LED 7Wx2 (350mA)

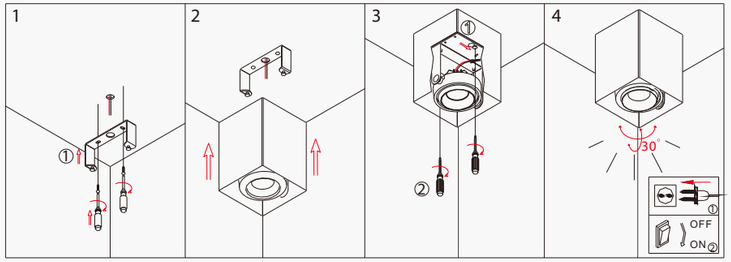


WA-721B(MD-R111)
LED 19.5W(500mA)



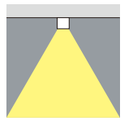
WA-722B(MD-R111)
LED 18Wx2(500mA)

Installation Advice



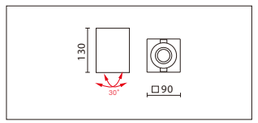


WA-771B(MD-D001)



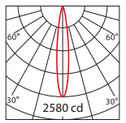
LED : LED (COB)
Power : LED 7W(350mA)
Input : AC 100-277V
Beam Angle : 15°/24°/36°
Driver Type : Built-in
Driver : LSC 9W350P





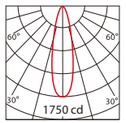




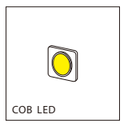


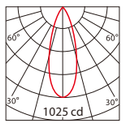
H(m)	D(m)	E(lx) 15°
1.0	0.3	2580
2.0	0.5	645
3.0	1.0	287





H(m)	D(m)	E(lx) 24°
1.0	0.4	1750
2.0	0.9	438
3.0	1.3	194





H(m)	D(m)	E(lx) 36°
1.0	0.6	1025
2.0	1.3	256
3.0	1.9	114

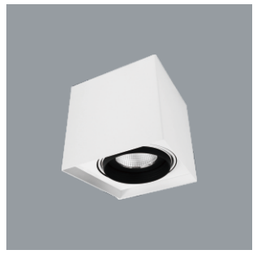
Accessories



Front Snoot
AC-771A



Honeycomb
DL-77-AC2

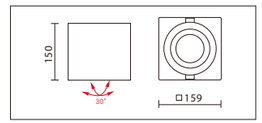


WA-721B(MD-R111)

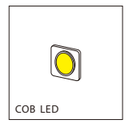


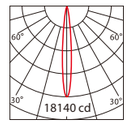
LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC 20W500HP



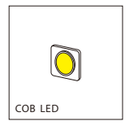


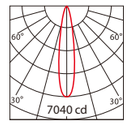




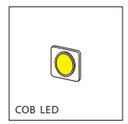


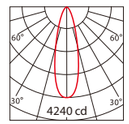
H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016



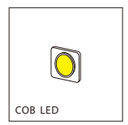


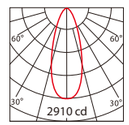
H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782



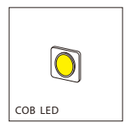


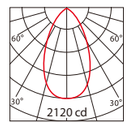
H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471





H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323





H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

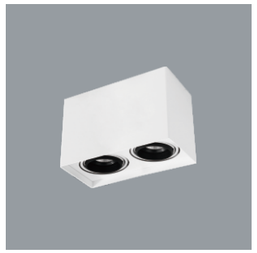
Accessories



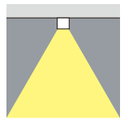
Front Snoot
AC-721A



Honeycomb
DL-7-AC2

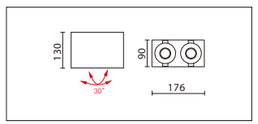


WA-772B(MD-D001)



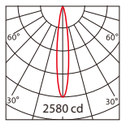
LED : LED (COB)
Power : LED 7Wx2(350mA)
Input : AC 100-277V
Beam Angle : 15°/24°/36°
Driver Type : Built-in
Driver : LSC 20W350P



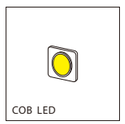


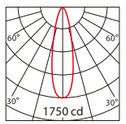




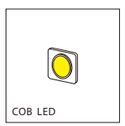


H(m)	D(m)	E(lx) 15°
1.0	0.3	2580
2.0	0.5	645
3.0	1.0	287





H(m)	D(m)	E(lx) 24°
1.0	0.4	1750
2.0	0.9	438
3.0	1.3	194



H(m)	D(m)	E(lx) 36°
1.0	0.6	1025
2.0	1.3	256
3.0	1.9	114

Accessories

Front Snoot
AC-771A

Honeycomb
DL-77-AC2

WA-722B(MD-R111)

LED : LED (COB)
Power : LED 18Wx2(500mA)
Input : AC 100-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LTC 40W900

H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016

H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782

H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323

H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

Accessories

Front Snoot
AC-721A

Honeycomb
DL-7-AC2

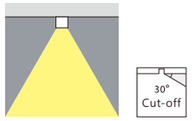


Features

- Suitable for insufficient false ceiling height
- General lighting with wide beam
- Anti-glare design ensures visual comfort

Applications

- For residential and commercial applications; such as galleries, exhibition, cafeteria, bars etc.







WG-912C(C12)
LED 14W(350mA)



WG-913C(C15)
LED 13W(350mA)



WG-914C(C18)
LED 19.5W(500mA)



WG-982C(C12)
LED 14W(350mA)

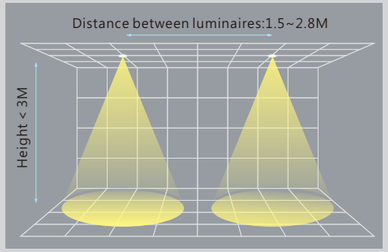


WG-983C(C15)
LED 13W(350mA)



WG-984C(C18)
LED 19.5W(500mA)

Installation Advice for WG-984C
General lighting for ceiling height < 3M

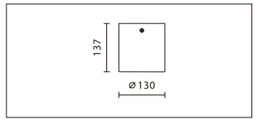




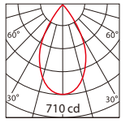


LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 59°
Driver Type : Built-in
Driver : LCI-14-350-TL

WG-912C(C12)







H(m)	D(m)	E(lx) 59°
1.0	1.1	710
2.0	2.3	178
3.0	3.4	79

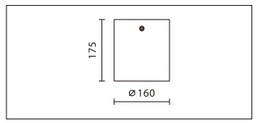




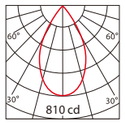


LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 220-240V
Beam Angle : 63°
Driver Type : Built-in
Driver : LCD-14-350-TL

WG-913C(C15)



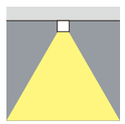




H(m)	D(m)	E(lx) 63°
1.0	1.2	810
2.0	2.3	203
3.0	3.5	90

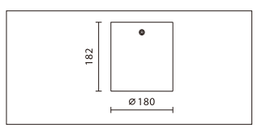


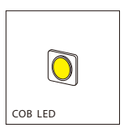


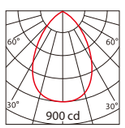


LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 66°
Driver Type : Built-in
Driver : LCD-20-500-TL

WG-914C(C18)







H(m)	D(m)	E(lx) 66°
1.0	1.4	900
2.0	2.8	225
3.0	4.2	100

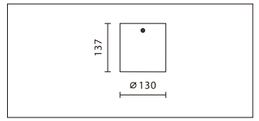




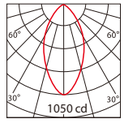


LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 56°
Driver Type : Built-in
Driver : LCI-14-350-TL

WG-982C(C12)







H(m)	D(m)	E(lx) 56°
1.0	1.0	1050
2.0	2.1	263
3.0	3.2	117

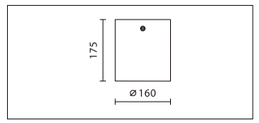


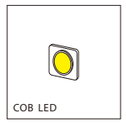


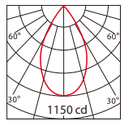


LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 220-240V
Beam Angle : 57°
Driver Type :Built-in
Driver : LCD-14-350-TL

WG-983C(C15)



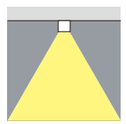




H(m)	D(m)	E(lx) 57°
1.0	1.1	1150
2.0	2.3	288
3.0	3.4	128

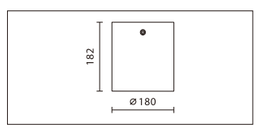


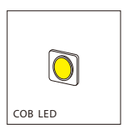


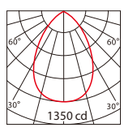


LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 220-240V
Beam Angle : 61°
Driver Type : Built-in
Driver : LCD-20-500-TL

WG-984C(C18)







H(m)	D(m)	E(lx) 61°
1.0	1.2	1350
2.0	2.3	338
3.0	3.5	150





Features

- Suitable for concrete ceiling
- Optional beam angles for different ceiling heights, as general or accent lighting
- Simple and elegant, easy to install
- Anti-glare design ensures visual comfort

Applications

- For residential and commercial applications; such as galleries, exhibition, cafeteria, bars etc.







WG-705R(C18)
LED 19.5W(500mA)



WG-706R(C25)
LED 28W(700mA)



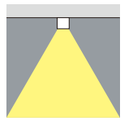
WG-706S(C25)
LED 28W(700mA)



WG-806R(C12)
LED 14W(350mA)

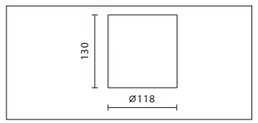


WG-705R(C18)



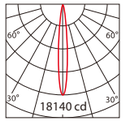


LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W500HP



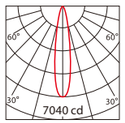






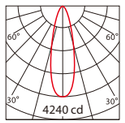
H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016



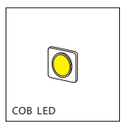


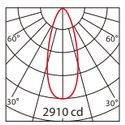
H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782



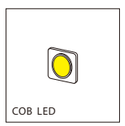


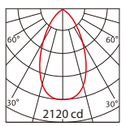
H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471





H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323





H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236

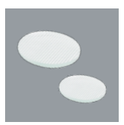
Accessories



Decorative front ring
AC-350



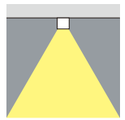
Honeycomb
DL-75-AC2



Stripe glass
AC-350D

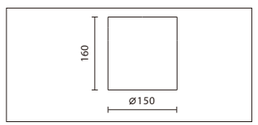


WG-706R(C25)

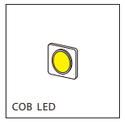


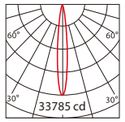


LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 100-240V
Beam Angle : 12°、15°、20°
30°、40°、60°
Driver Type : Built-in
Driver : LTC40W700

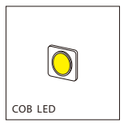


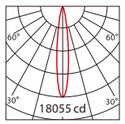




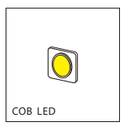


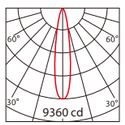
H(m)	D(m)	E(lx) 12°
1.0	0.2	33785
2.0	0.4	8446
3.0	0.6	3754



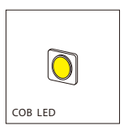


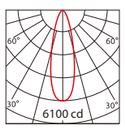
H(m)	D(m)	E(lx) 15°
1.0	0.3	18055
2.0	0.5	4514
3.0	0.8	2006



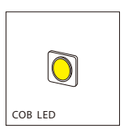


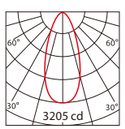
H(m)	D(m)	E(lx) 20°
1.0	0.4	9360
2.0	0.7	2340
3.0	1.1	1040



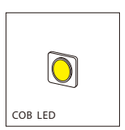


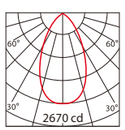
H(m)	D(m)	E(lx) 30°
1.0	0.5	6100
2.0	1.1	1525
3.0	1.6	678





H(m)	D(m)	E(lx) 40°
1.0	0.7	3205
2.0	1.5	801
3.0	2.2	356





H(m)	D(m)	E(lx) 60°
1.0	1.2	2670
2.0	2.3	668
3.0	3.5	297

Accessories



Decorative front ring
AC-320



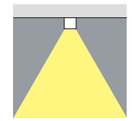
Honeycomb
DL-7-AC2



Stripe glass
AC-320D



WG-706S(C25)



LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 100-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LTC40W700

H(m)	D(m)	E(lx) 12°
1.0	0.2	33785
2.0	0.4	8446
3.0	0.6	3754

H(m)	D(m)	E(lx) 15°
1.0	0.3	18055
2.0	0.5	4514
3.0	0.8	2006

H(m)	D(m)	E(lx) 20°
1.0	0.4	9360
2.0	0.7	2340
3.0	1.1	1040

H(m)	D(m)	E(lx) 30°
1.0	0.5	6100
2.0	1.1	1525
3.0	1.6	678

H(m)	D(m)	E(lx) 40°
1.0	0.7	3205
2.0	1.5	801
3.0	2.2	356

H(m)	D(m)	E(lx) 60°
1.0	1.2	2670
2.0	2.3	668
3.0	3.5	297

Accessories

Decorative front ring
AC-320

Honeycomb
DL-7-AC2

Stripe glass
AC-320D

WG-806R(C12)

LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 220-240V
Beam Angle : 91°
Driver Type : Built-in
Driver : LCI-14-350-TL

IP44

H(m)	D(m)	E(lx) 91°
1.0	2.2	352
2.0	4.1	88
3.0	6.7	39

pendant Lights







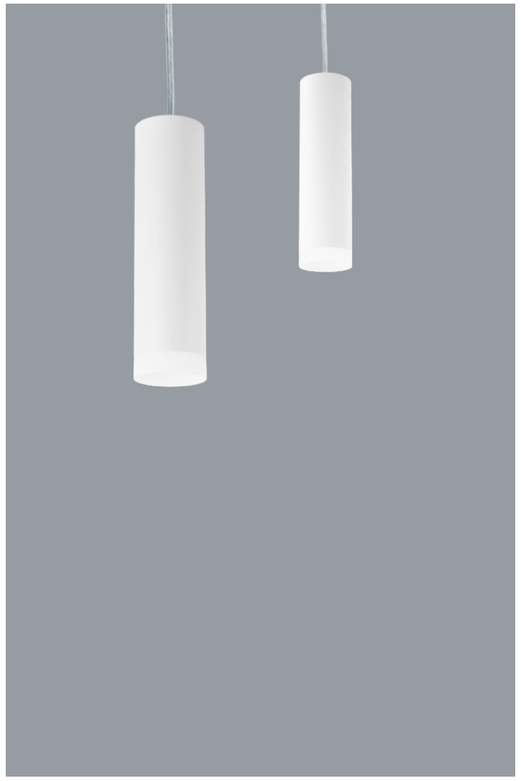


Model	Page
PA-114A Series	P. 223





Model	Page
PG-E506 Series	P. 227

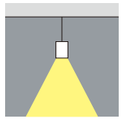


Features

- Simple and elegant, easy to install
- Accurate optical design ensures visual comfort

Applications

- For residential and commercial applications; such as galleries, exhibition, cafeteria, bars etc.







PA-114A(O5)
LED 6W(150mA)
⌀50



PA-115A(O12)
LED 13W(350mA)
⌀60

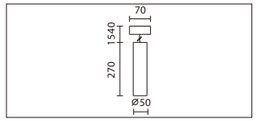


PA-114A(O5)



LED : LED (COB)
Power : LED 6W(150mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°/40°
Driver Type : Built-in
Driver : EBP006C0150S1







Accessories



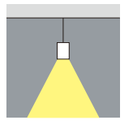


Recessed
front ring
AC-2800A

COB LED		H(m)	D(m)	E(lx) 12°
	3400 cd	1.0	0.2	3400
		2.0	0.4	850
		3.0	0.6	378
COB LED	1920 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	1920
		2.0	0.7	480
		3.0	1.1	213
COB LED	1060 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	1060
		2.0	1.1	265
		3.0	1.6	118
COB LED	830 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	830
		2.0	1.5	208
		3.0	2.2	92

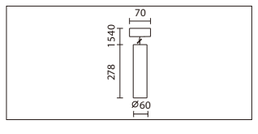


PA-115A(O12)



LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 100-240V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC20W350P







Accessories





Recessed
front ring
AC-2700A

COB LED		H(m)	D(m)	E(lx) 15°
	14000 cd	1.0	0.3	14000
		2.0	0.5	3500
		3.0	0.7	1556
COB LED	5290 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	5290
		2.0	0.7	1323
		3.0	1.1	588
COB LED	4325 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	4325
		2.0	1.1	1081
		3.0	1.6	481
COB LED	3200 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	3200
		2.0	1.5	400
		3.0	2.2	356
COB LED	2405 cd	H(m)	D(m)	E(lx) 50°
		1.0	0.9	2405
		2.0	1.9	601
		3.0	2.8	267



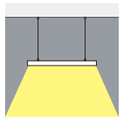


Features

- Slim and elegant design, easy to install
- High quality LED, 3 color temperatures, available (2700k,3000k & 4000k) optional lengths
- Accurate optical design, wide beam, save more energy than fluorescent tubes
- No toxic mercury, more health-friendly than fluorescent tubes

Applications

- Ideal for offices, meeting rooms, classrooms lighting applications.







PG-E506 (36PCS LED=18W)
PG-E509 (54PCS LED=27W)
PG-E512 (72PCS LED=36W)
PG-E515 (90PCS LED=45W)



PG-E606 (48PCS LED=24W)
PG-E609 (72PCS LED=36W)
PG-E612 (96PCS LED=48W)
PG-E615 (120PCS LED=60W)
Individual Dimming



Non-dimmable

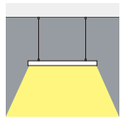


Dimmable











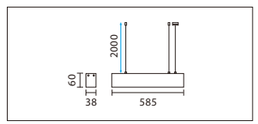


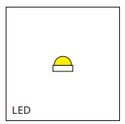


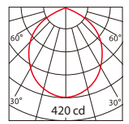


PG-E506
(36PCS LED=18W)

LED : LED
Input : AC 220-240V
Beam Angle : 100°
Driver Type : Built-in



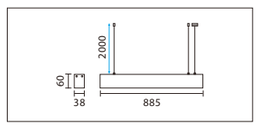


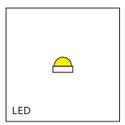


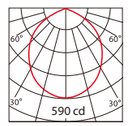
H(m)	D(m)	E(lx) 100°
1.0	2.4	420
2.0	4.8	105
3.0	7.2	47

PG-E509
(54PCS LED=27W)

LED : LED
Input : AC 220-240V
Beam Angle : 100°
Driver Type : Built-in



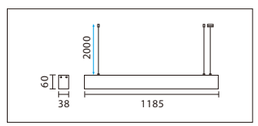


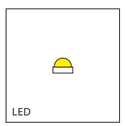


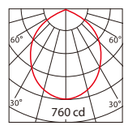
H(m)	D(m)	E(lx) 100°
1.0	2.4	590
2.0	4.8	148
3.0	7.2	66

PG-E512
(72PCS LED=36W)

LED : LED
Input : AC 220-240V
Beam Angle : 100°
Driver Type : Built-in



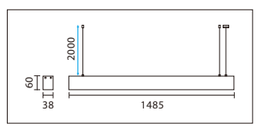


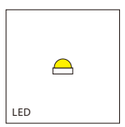


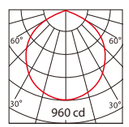
H(m)	D(m)	E(lx) 100°
1.0	2.4	760
2.0	4.8	190
3.0	7.2	84

PG-E515
(90PCS LED=45W)

LED : LED
Input : AC 220-240V
Beam Angle : 100°
Driver Type : Built-in



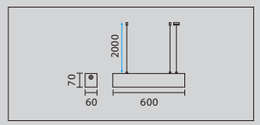


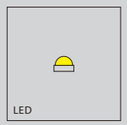


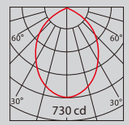
H(m)	D(m)	E(lx) 100°
1.0	2.4	960
2.0	4.8	240
3.0	7.2	107

PG-E606
(48PCS LED=24W)

LED : LED
Input : AC 220-240V
Beam Angle : 100°
Driver Type : Built-in



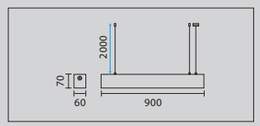


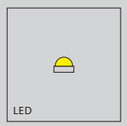


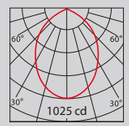
H(m)	D(m)	E(lx) 100°
1.0	2.4	730
2.0	4.8	183
3.0	7.2	81

PG-E609
(72PCS LED=36W)

LED : LED
Input : AC 220-240V
Beam Angle : 100°
Driver Type :Built-in



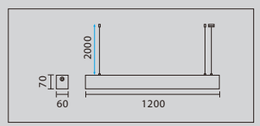




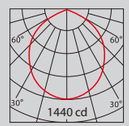
H(m)	D(m)	E(lx) 100°
1.0	2.4	1025
2.0	4.8	256
3.0	7.2	114

PG-E612
(96PCS LED=48W)

LED : LED
Input : AC 220-240V
Beam Angle : 100°
Driver Type : Built-in



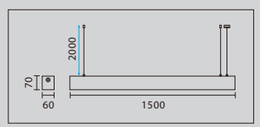


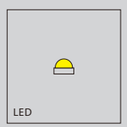


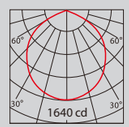
H(m)	D(m)	E(lx) 100°
1.0	2.4	1440
2.0	4.8	360
3.0	7.2	160

PG-E615
(120PCS LED=60W)

LED : LED
Input : AC 220-240V
Beam Angle : 100°
Driver Type :Built-in

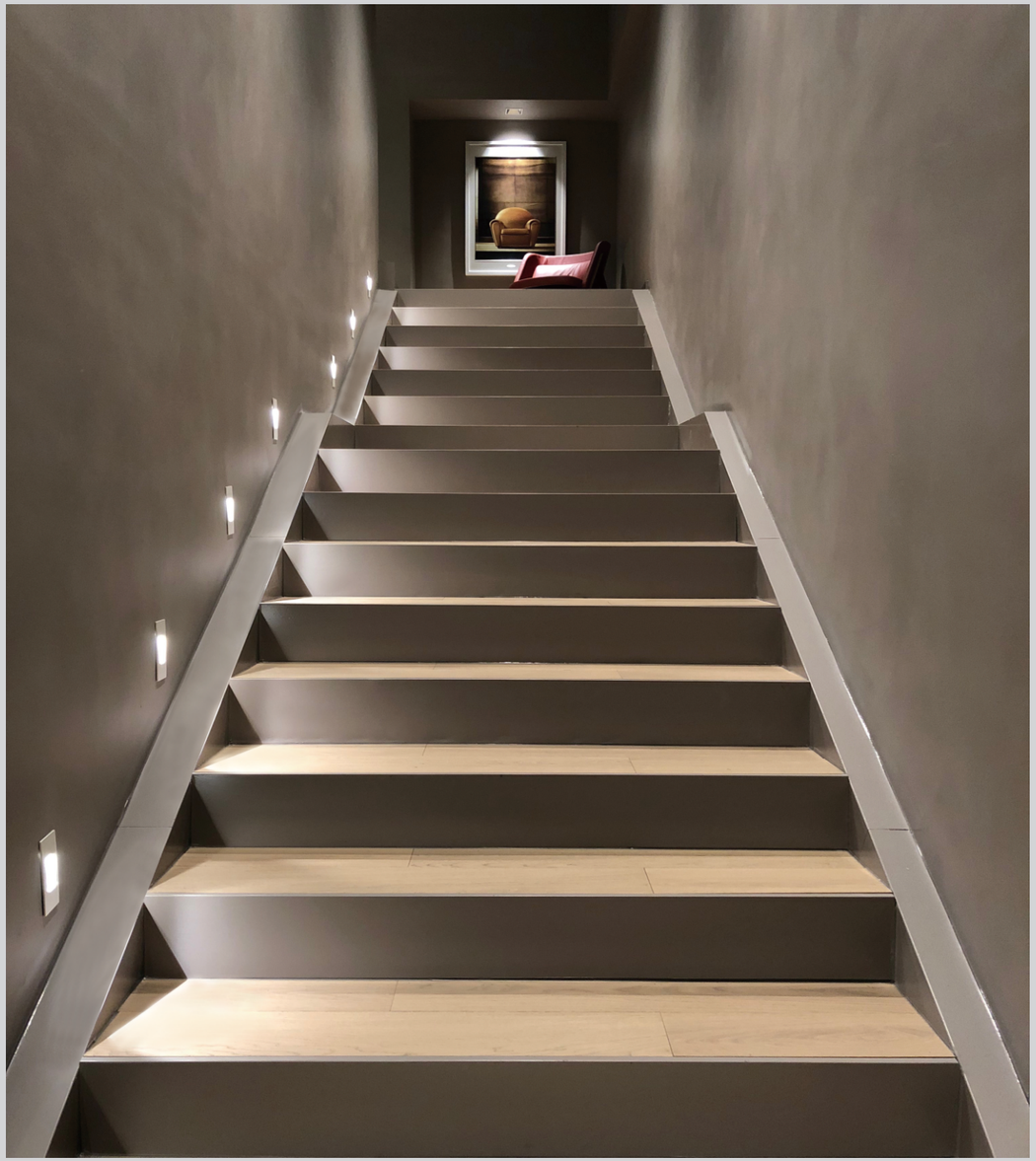


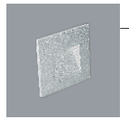


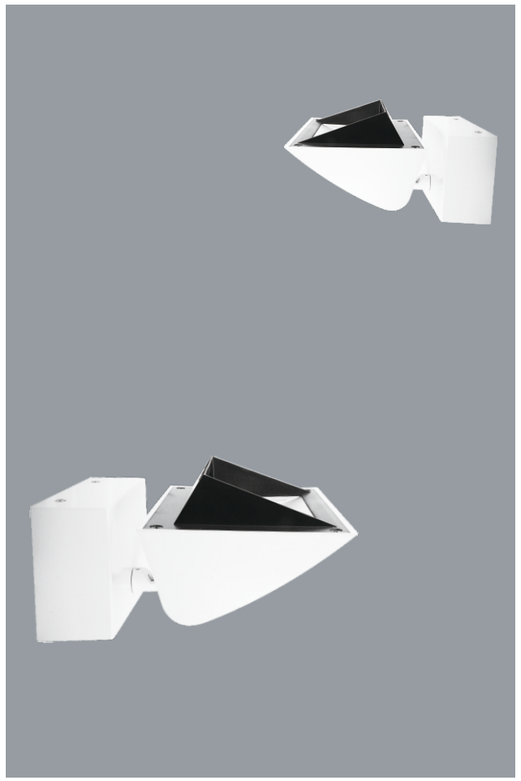


H(m)	D(m)	E(lx) 100°
1.0	2.4	1640
2.0	4.8	410
3.0	7.2	182

Wall Lights



	Model	Page
 	BH-523C Series	P. 233
 	DA-E04 Series	P. 237
 	DA-C01G	P. 240
 	DA-E11R Series	P. 241
 	LA-301A Series	P. 243

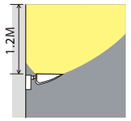


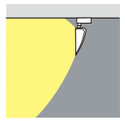
Features

- Asymmetrical light distribution for highly uniform ceiling washing
- The stem is 355° clockwise/counterclockwise rotatable and the body is able to tilt 90° vertically
- Systematic + Individual: dimmable trailing edge (100%~10%) + tuning knob on the luminaire (100%~30%)

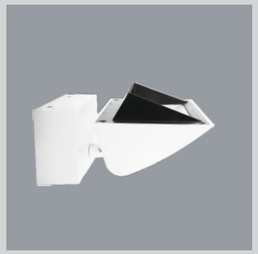
Applications

- Ideal to be used as ceilingwasher for galleries or commercial applications.

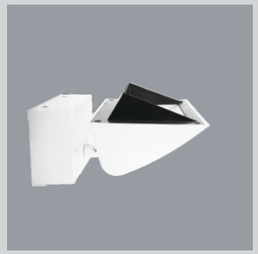




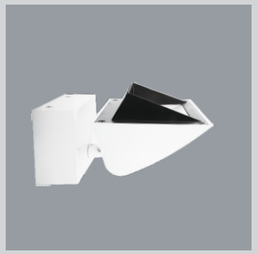




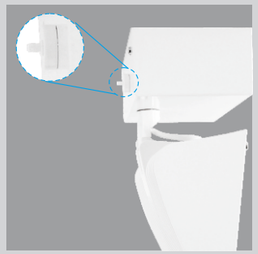
BH-523C(C33)
LED 35.5W (900mA)
Systematic Dimming



BH-523C-D(C33)
LED 35.5W (900mA)
Systematic Dimming
+ Individual Dimming



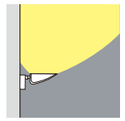
BH-523C(C40)
LED 40W (1050mA)
Systematic Dimming



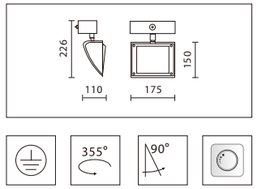
BH-523C-D(C33)
Individual dimming knob



BH-523C(C33)

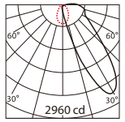


LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Driver Type : Built-in
Driver : LCI-38-900-TL
Dimming Type : Trailing edge
355° rotation and 90° tilt



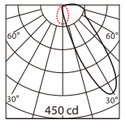






H(m)	E(lx)
1.0	2960
2.0	740
3.0	329



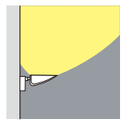


H(m)	E(lx)
1.0	450
2.0	113
3.0	50

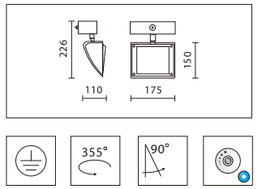
C90-270 ·····
C0-180 ——



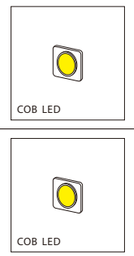
BH-523C-D(C33)

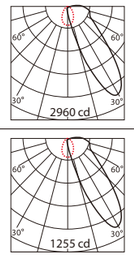


LED : LED (COB)
Power : LED 35.5W(900mA)
Input : AC 220-240V
Driver Type : Built-in
Driver : LCI-38-900-TLI
Dimming Type :
Trailing edge + ◉
355° rotation and 90° tilt







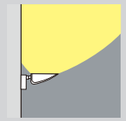


H(m)	E(lx)
1.0	1255
2.0	314
3.0	139

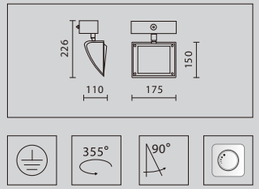
C90-270 ·····
C0-180 ——

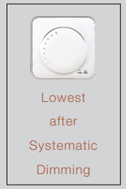


BH-523C(C40)

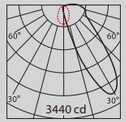


LED : LED (COB)
Power : LED 40W(1050mA)
Input : AC 220-240V
Driver Type : Built-in
Driver : LCI-48-1100-TL
Dimming Type : Trailing edge
355° rotation and 90° tilt



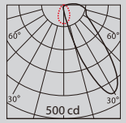






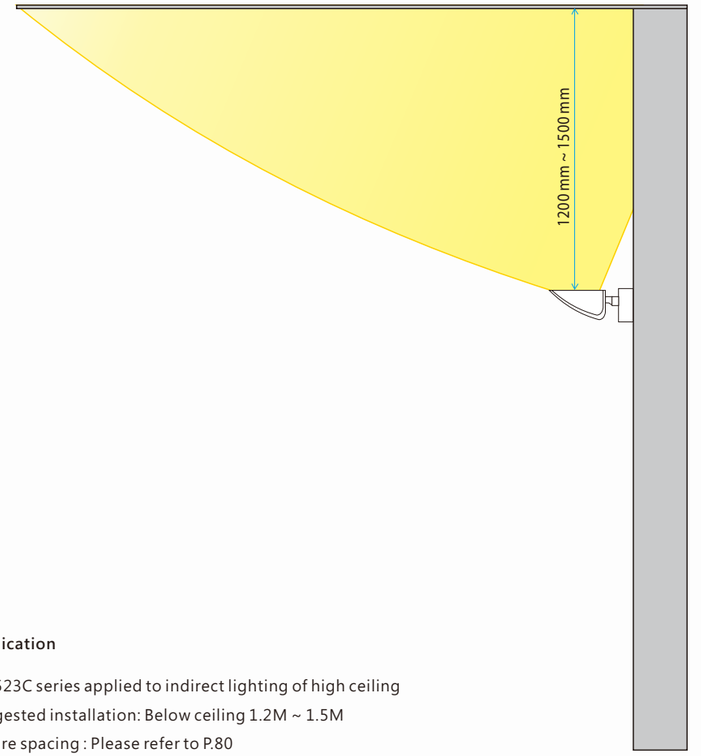
H(m)	E(lx)
1.0	3440
2.0	860
3.0	382





H(m)	E(lx)
1.0	500
2.0	125
3.0	56

C90-270 ·····
C0-180 ——



Application

BH-523C series applied to indirect lighting of high ceiling
Suggested installation: Below ceiling 1.2M ~ 1.5M
Fixture spacing : Please refer to P.80



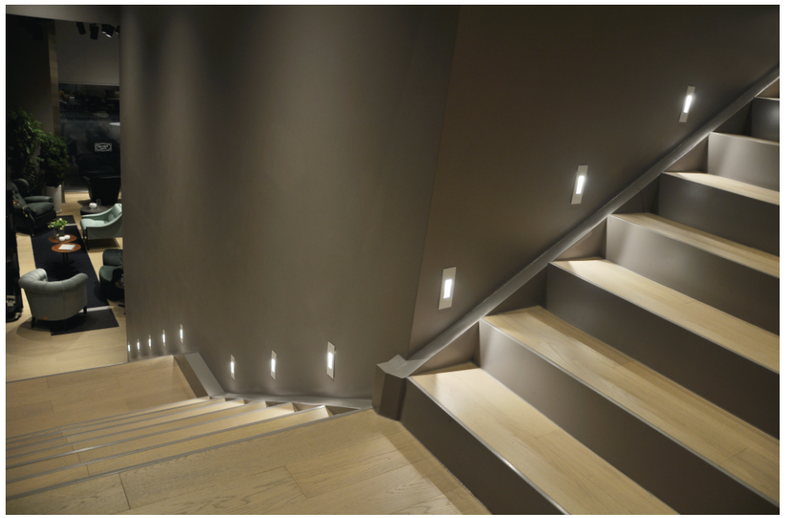


Features

- The pre built-in cassette and spring structure for easy of installation
- High quality LED with high luminous efficiency
- Great heat dissipation design which ensures long lifespan of the LED to save maintenance cost
- Special optical design for glare-proof which ensures visual comfort

Applications

- Guidelight for exhibitions, hotel suites, offices and commercial applications.





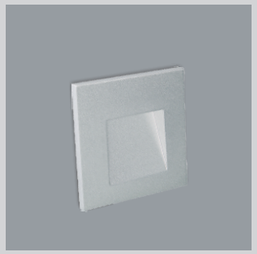
DA-E04
LED 1.2Wx1(350mA)





DA-E05
LED 1.2Wx1(350mA)





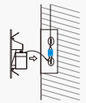
DA-C01G
LED 0.5W(DC 24V)

Accessories



AC-E04

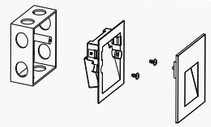
Material : Iron
For DA-E04/DA-E05







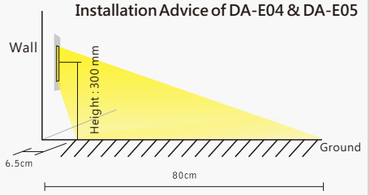
DA-C01G



Box - 86 Cassette

The size is specially designed for Wall Mounting Box - 86 Cassette The depth should be deeper than 40 mm.

Installation Advice of DA-E04 & DA-E05

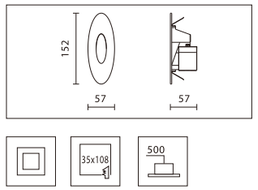


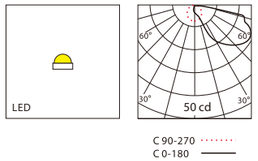




LED : LED
Power : LED 1.2Wx1(350mA)
Input : AC 100-277V
Beam Angle : 100°
Driver Type : Independent
Driver : LSC4W350L-Z

DA-E04





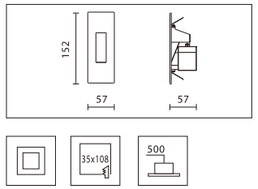
H(m)	D(m)	E(lx) 100°
1.0	2.4	50
2.0	4.8	13
3.0	7.2	6

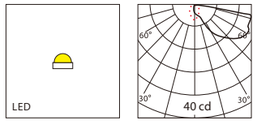




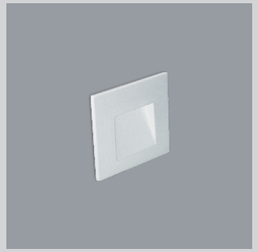
LED : LED
Power : LED 1.2Wx1(350mA)
Input : AC 100-277V
Beam Angle : 100°
Driver Type : Independent
Driver : LSC4W350L-Z

DA-E05





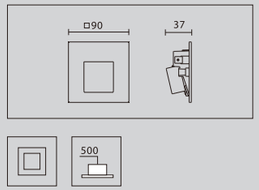
H(m)	D(m)	E(lx) 100°
1.0	2.4	40
2.0	4.8	10
3.0	7.2	4

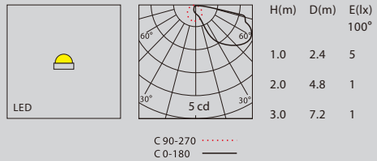




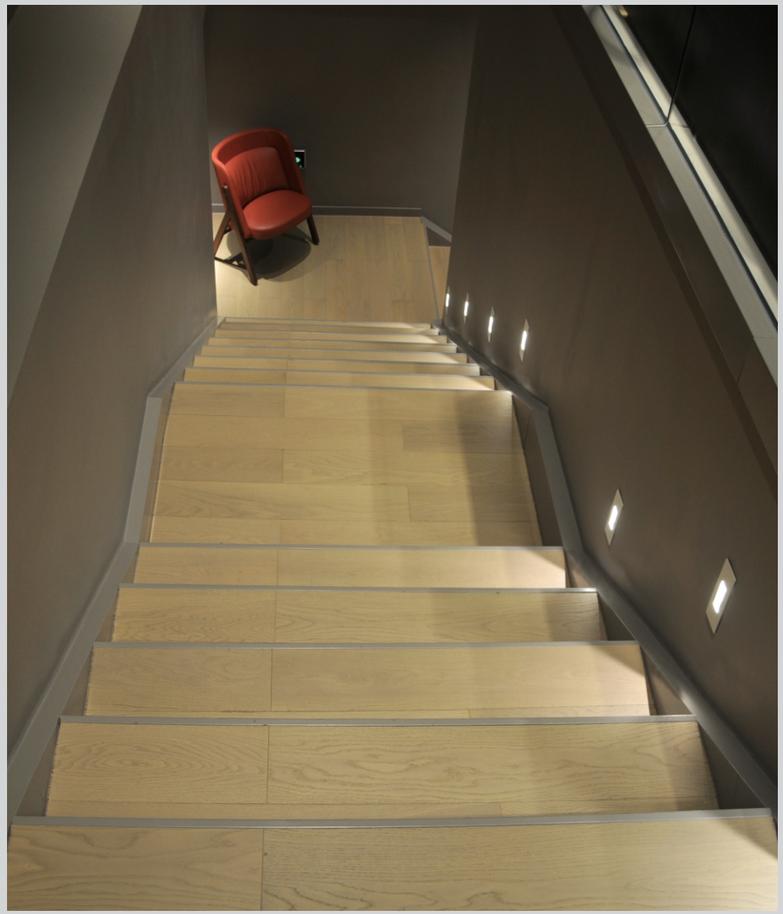
LED : LED
Power : LED 0.5W(DC 24V)
Input : AC 220-240V
Beam Angle : 100°
Driver Type : Built-in
Driver : ELP 006V 0240LT

DA-C01G





H(m)	D(m)	E(lx) 100°
1.0	2.4	5
2.0	4.8	1
3.0	7.2	1







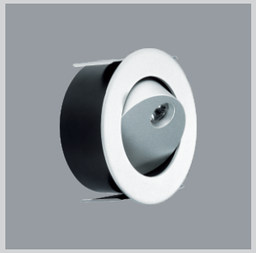
Features

- Elegant contour, as a décor wall light and a functional reading light
- Unique mechanical design, push on/off switch
- Super silent without disturbing noises
- The structure is able to push-in 180° and rotate 355°
- A small guide light, helps to find where the lamp is in the dark
- Great heat dissipation which ensures long lifespan of the LED to save maintenance cost
- Mellow light distribution to create a relax atmosphere

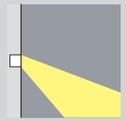
Applications

- Installed in the headboard as a reading light or decorative light in bedrooms or hotel rooms.

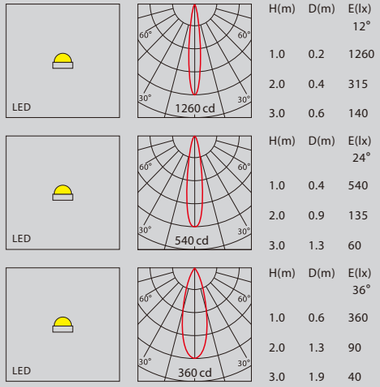




DA-E11R



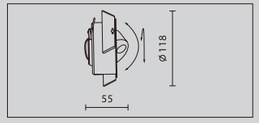
LED : LED
Power : LED 3Wx1 (700mA)
Input : AC 100-240V
Beam Angle : 12°/24°/36°
Indicate Linght Color : WW
Driver Type : Independent
Driver : LSVC3BI-Z UNI



H(m)	D(m)	E(lx) 12°
1.0	0.2	1260
2.0	0.4	315
3.0	0.6	140

H(m)	D(m)	E(lx) 24°
1.0	0.4	540
2.0	0.9	135
3.0	1.3	60

H(m)	D(m)	E(lx) 36°
1.0	0.6	360
2.0	1.3	90
3.0	1.9	40

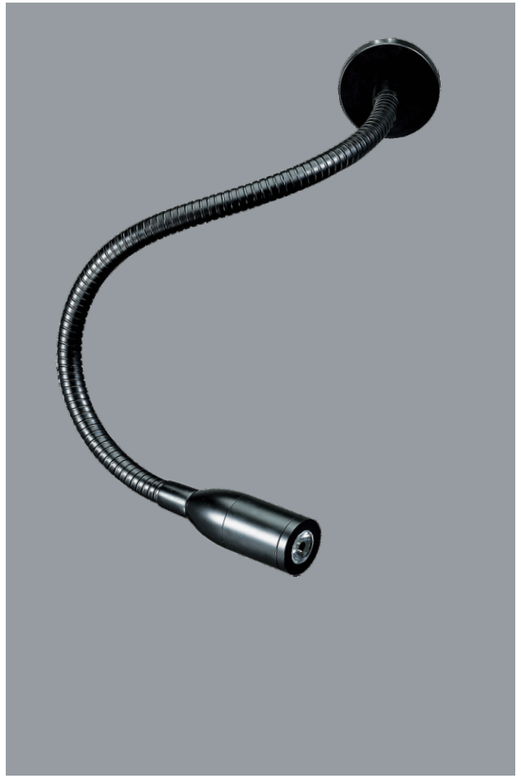




Flexible Adjustment
Push the indicate lighting, the spotlight will be switched on automatically.



① Indicate lighting ② 180° push-in/out ③ 355° rotatable ④ Mini spotlight



Features

- A flexible tube which can be adjusted precisely for optimum beam alignment
- Great heat dissipation which ensures long lifespan of the LED to save maintenance cost
- Made of high quality aluminum with fine finishing, durable and with delicate touch
- Intuitional design, the switch is on the light head

Applications

- Installed on the bedside as a reading light in bedrooms or hotel rooms.



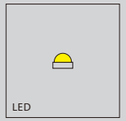


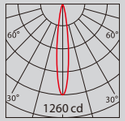


LA-301A



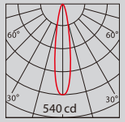
LED : LED
Power : LED 3Wx1 (700mA)
Input : AC 100-240V
Beam Angle : 12°/24°/36°
Driver Type : Independent
Driver : LSVC3BI-Z UNI





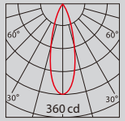
H(m)	D(m)	E(lx)
		12°
1.0	0.2	1260
2.0	0.4	315
3.0	0.6	140



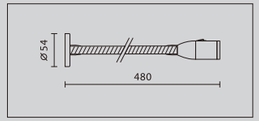


H(m)	D(m)	E(lx)
		24°
1.0	0.4	540
2.0	0.9	135
3.0	1.3	60





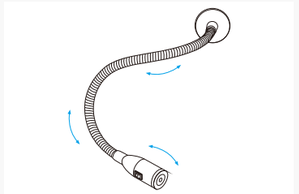
H(m)	D(m)	E(lx)
		36°
1.0	0.6	360
2.0	1.3	90
3.0	1.9	40





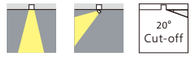
Flexible Adjustment

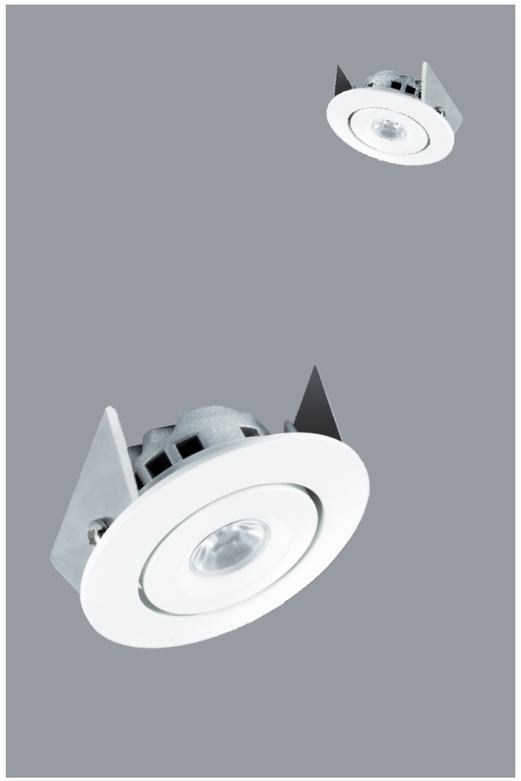
A freely bendable tube with a switch on the lamp could maximize the lighting area



Display Spotlights



	Model	Page
 	DA-501AN Series	P. 245
 	DG-F02D Series	P. 251
 	DA-B35 Series	P. 255
 	DA-011B Series	P. 259
 	RA-501R Series	P. 263
 	LA-501H Series	P. 267

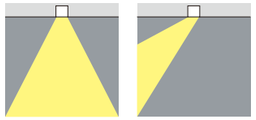


Features

- Compact and super slim for limited height cabinets
- High quality LED with high color rendering index
- Optional beam angles, mellow light output
- Integrated heatsink design, faster heat dissipation, ensures stable and long lifespan of the light source
- Fixed type and adjustable type

Applications

- Accent lighting for shelves, cabinets and showcase applications.







DA-501AN
LED 1.2Wx1(350mA)
LED 3Wx1(700mA)

ø33



DA-501AD
LED 1.2Wx1(350mA)
LED 3Wx1(700mA)

ø43



DA-501AS
LED 1.2Wx1(350mA)
LED 3Wx1(700mA)

ø53

Ratio
compare with RMB ¥ 1 coin

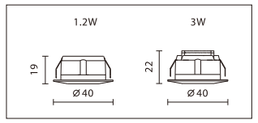




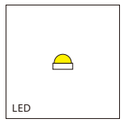


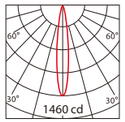
LED : LED
Power : LED 1.2Wx1(350mA)
LED 3Wx1(700mA)
Input : AC 100-240V
Beam Angle : 12°/20°/30°
Driver Type : Independent
Driver :
LSC4W350L-Z(350mA)
LSC4W700-Z(700mA)

DA-501AN

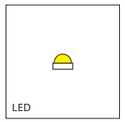


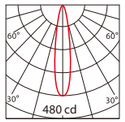




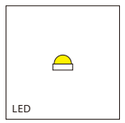


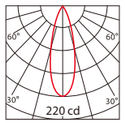
	H(m)	D(m)	E(lx) 12°
350mA: 1460 cd 700mA: 2400 cd	1.0	0.2	1460
	2.0	0.4	365
	3.0	0.6	162





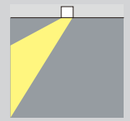
	H(m)	D(m)	E(lx) 20°
350mA: 480 cd 700mA: 820 cd	1.0	0.4	480
	2.0	0.7	120
	3.0	1.1	53





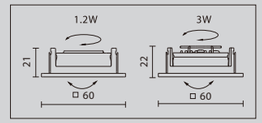
	H(m)	D(m)	E(lx) 30°
350mA: 220 cd 700mA: 360 cd	1.0	0.5	220
	2.0	1.1	55
	3.0	1.6	24





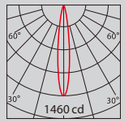
LED : LED
Power : LED 1.2Wx1(350mA)
LED 3Wx1(700mA)
Input : AC 100-240V
Beam Angle : 12°/20°/30°
Driver Type : Independent
Driver :
LSC4W350L-Z(350mA)
LSC4W700-Z(700mA)
30° tilt

DA-501AS



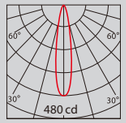






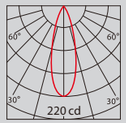
	H(m)	D(m)	E(lx) 12°
350mA: 1460 cd 700mA: 2400 cd	1.0	0.2	1460
	2.0	0.4	365
	3.0	0.6	162





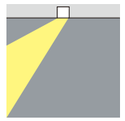
	H(m)	D(m)	E(lx) 20°
350mA: 480 cd 700mA: 820 cd	1.0	0.4	480
	2.0	0.7	120
	3.0	1.1	53





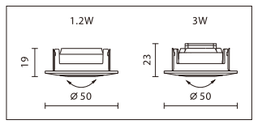
	H(m)	D(m)	E(lx) 30°
350mA: 220 cd 700mA: 360 cd	1.0	0.5	220
	2.0	1.1	55
	3.0	1.6	24



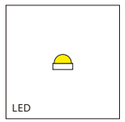


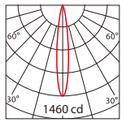
LED : LED
Power : LED 1.2Wx1(350mA)
LED 3Wx1(700mA)
Input : AC 100-240V
Beam Angle : 12°/20°/30°
Driver Type : Independent
Driver :
LSC4W350L-Z(350mA)
LSC4W700-Z(700mA)
30° tilt

DA-501AD

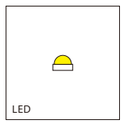


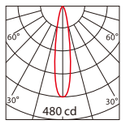




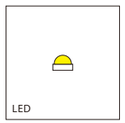


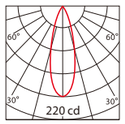
	H(m)	D(m)	E(lx) 12°
350mA: 1460 cd 700mA: 2400 cd	1.0	0.2	1460
	2.0	0.4	365
	3.0	0.6	162





	H(m)	D(m)	E(lx) 20°
350mA: 480 cd 700mA: 820 cd	1.0	0.4	480
	2.0	0.7	120
	3.0	1.1	53





	H(m)	D(m)	E(lx) 30°
350mA: 220 cd 700mA: 360 cd	1.0	0.5	220
	2.0	1.1	55
	3.0	1.6	24



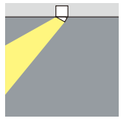


Features

- Compact and super slim for limited height cabinets
- Fixed type and adjustable type
- Special rotatable structure design
- IP44, suitable for moist environments

Applications

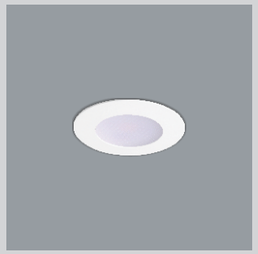
- Ideal for low ceiling or small spaces such as kitchens and bathrooms.





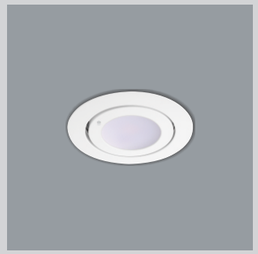
IP44





DG-F03
LED 3.4W(500mA)

ø50



DG-F03D
LED 3.4W(500mA)

ø60



DG-F02
LED 6W(350mA)

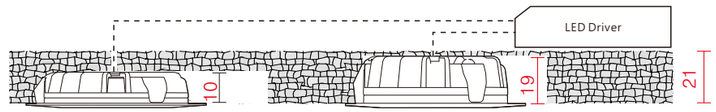
ø60



DG-F02D
LED 6W(350mA)

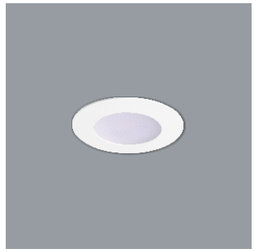
ø68

Installation Advice



DG-F03
DG-F03D

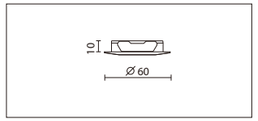
DG-F02
DG-F02D

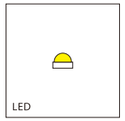


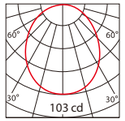


LED : LED
Power : LED 3.4W(500mA)
Input : AC 100-240V
Beam Angle : 90°
Driver Type : Independent
Driver : LSC6W500-Z

DG-F03



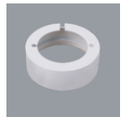




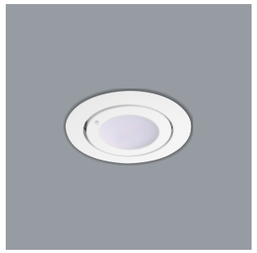
H(m)	D(m)	E(lx) 90°
1.0	2.0	103
2.0	4.0	26
3.0	6.0	11

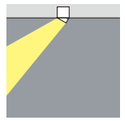


Accessories



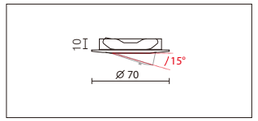
Surface
mount base
AC-F03

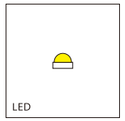


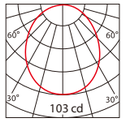


LED : LED
Power : LED 3.4W(500mA)
Input : AC 100-240V
Beam Angle : 90°
Driver Type : Independent
Driver : LSC6W500-Z

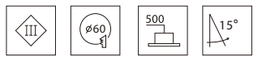
DG-F03D



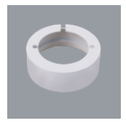




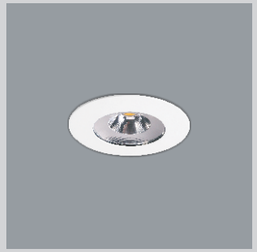
H(m)	D(m)	E(lx) 90°
1.0	2.0	103
2.0	4.0	26
3.0	6.0	11



Accessories



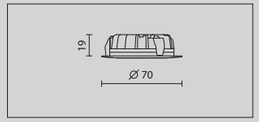
Surface
mount base
AC-F031



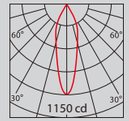


LED : LED (COB)
Power : LED 6W (350mA)
Input : AC 100-240V
Beam Angle : 25°/50°
Driver Type : Independent
Driver : LSC6W350-Z

DG-F02

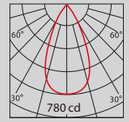






H(m)	D(m)	E(lx) 25°
1.0	0.4	1150
2.0	0.9	288
3.0	1.3	128

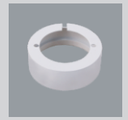




H(m)	D(m)	E(lx) 50°
1.0	0.9	780
2.0	1.9	195
3.0	2.8	87

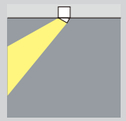


Accessories



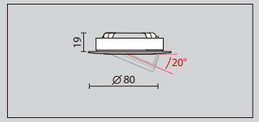
Surface
mount base
AC-F02



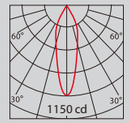


LED : LED (COB)
Power : LED 6W (350mA)
Input : AC 100-240V
Beam Angle : 25°/50°
Driver Type : Independent
Driver : LSC6W350-Z

DG-F02D

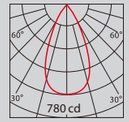






H(m)	D(m)	E(lx) 25°
1.0	0.4	1150
2.0	0.9	288
3.0	1.3	128

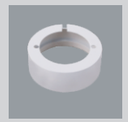




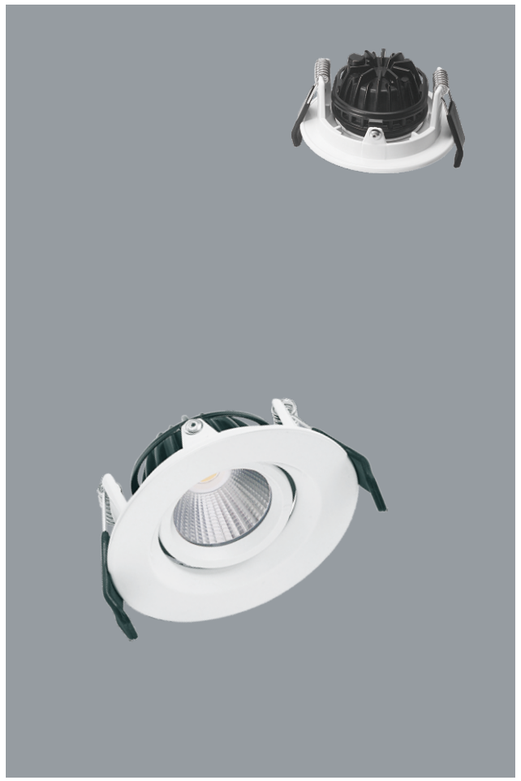
H(m)	D(m)	E(lx) 50°
1.0	0.9	780
2.0	1.9	195
3.0	2.8	87



Accessories



Surface
mount base
AC-F021

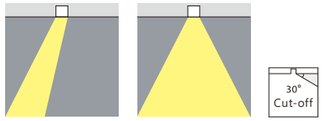


Features

- Cut-out 68 mm, suitable to replace traditional halogen lamps
- Great heatsink design, for faster heat dissipation, which ensures stable and long lifespan of the light source
- 85% high efficiency light distribution with mellow light output

Applications

- For low ceiling in hotels, restaurants and houses.







DA-B35N
LED 6W(500mA)





DA-B35D
LED 6W(500mA)





DA-B35C
LED 6W(500mA)





Plastic Cover

Available for:
DA-A35D
Use this cover can reach
IP44

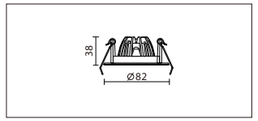




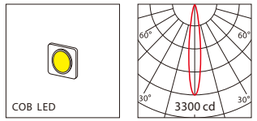
LED : LED (COB)
Power : LED 6W (350mA)
Input : AC 100-240V
Beam Angle : 15°/24°/36°/45°
Driver Type : Independent
Driver : LSC6W350-Z



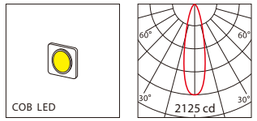
DA-B35N



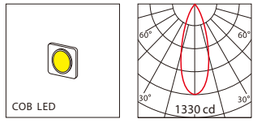




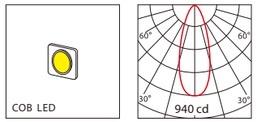
H(m)	D(m)	E(lx) 15°
1.0	0.3	3300
2.0	0.5	825
3.0	0.8	367



H(m)	D(m)	E(lx) 24°
1.0	0.4	2125
2.0	0.9	531
3.0	1.3	236

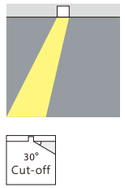


H(m)	D(m)	E(lx) 36°
1.0	0.6	1330
2.0	1.3	333
3.0	1.9	148



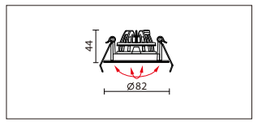
H(m)	D(m)	E(lx) 45°
1.0	0.8	940
2.0	1.7	235
3.0	2.5	104





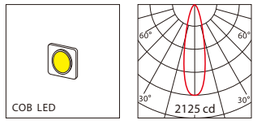
LED : LED (COB)
Power : LED 6W (350mA)
Input : AC 100-240V
Beam Angle : 15°/24°/36°/45°
Driver Type : Independent
Driver : LSC6W350-Z
20° tilt

DA-B35D

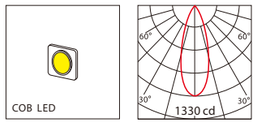




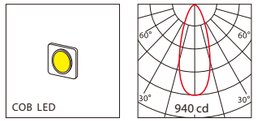
H(m)	D(m)	E(lx) 15°
1.0	0.3	3300
2.0	0.5	825
3.0	0.8	367



H(m)	D(m)	E(lx) 24°
1.0	0.4	2125
2.0	0.9	531
3.0	1.3	236



H(m)	D(m)	E(lx) 36°
1.0	0.6	1330
2.0	1.3	333
3.0	1.9	148



H(m)	D(m)	E(lx) 45°
1.0	0.8	940
2.0	1.7	235
3.0	2.5	104

Accessories



Plastic Cover

Available for:
DA-A35D
Use this cover can reach IP44



Stripe glass

AC-B35D

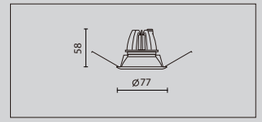




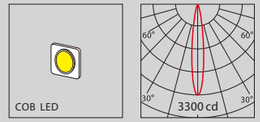
LED : LED (COB)
Power : LED 6W (350mA)
Input : AC 100-240V
Beam Angle : 15°/24°/36°/45°
Driver Type : Independent
Driver : LSC6W350-Z



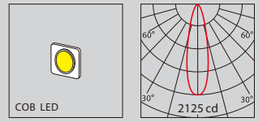
DA-B35C



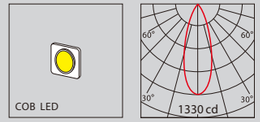




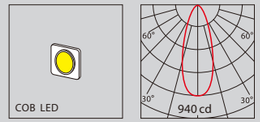
H(m)	D(m)	E(lx) 15°
1.0	0.3	3300
2.0	0.5	825
3.0	0.8	367



H(m)	D(m)	E(lx) 24°
1.0	0.4	2125
2.0	0.9	531
3.0	1.3	236



H(m)	D(m)	E(lx) 36°
1.0	0.6	1330
2.0	1.3	333
3.0	1.9	148



H(m)	D(m)	E(lx) 45°
1.0	0.8	940
2.0	1.7	235
3.0	2.5	104





Features

- Very compact accent lighting, easy to merge into the ceiling
- 60° supreme cut-off angle, deep anti-glare structure ensures visual comfort
- Great heatsink design, for faster heat dissipation, which ensures stable and long lifespan of the light source
- 85% high efficiency light distribution with mellow light output

Applications

- Suitable for desk illumination during presentations, able to satisfy reading or note-taking illuminance needs in a dark conference room.





DA-011B
LED 3Wx1(700mA)

Ø39



DA-012B
LED 7.5Wx1(200mA)

Ø50



DA-013B
LED 12Wx1(300mA)

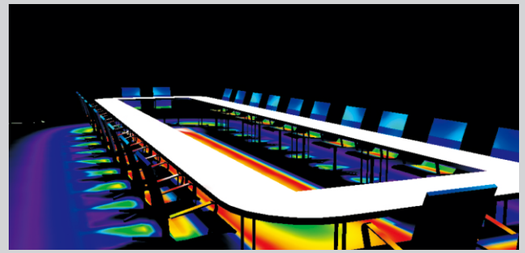
Ø65

Illumination Effect

3D Rendering



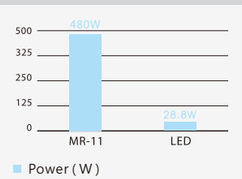
Illumination simulation



Actual Result



Comparison of Power Consumption



Mounted right above the desktop, DA-011R only consumes 28.8W to light up the reading area evenly. The contrast between the desktop and the ambient is just perfect without visual fatigue; the cut-off angle design of the lamp is more than 60°, not only eliminates the dazzles but allowed to see all the participants. However, when applying the same amount of halogen 20W MR11 will consume 16 times power than the LED one, which is 480W in total , easily to cause visual fatigue because of high contrast between the luminance on the desktop and the dark room.

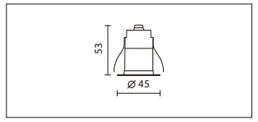


DA-011B

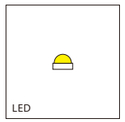


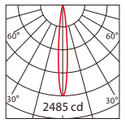
LED : LED
Power : LED 3Wx1 (700mA)
Input : AC 100-277V
Beam Angle : 8°/12°/24°/36°
Driver Type : Independent
Driver : LSC4W700-Z



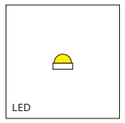


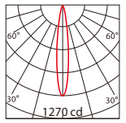




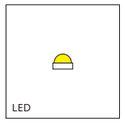


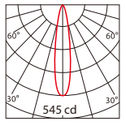
H(m)	D(m)	E(lx) 8°
1.0	0.1	2485
2.0	0.3	621
3.0	0.4	276



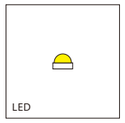


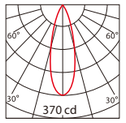
H(m)	D(m)	E(lx) 12°
1.0	0.2	1270
2.0	0.4	318
3.0	0.6	141





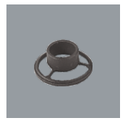
H(m)	D(m)	E(lx) 24°
1.0	0.4	545
2.0	0.9	136
3.0	1.3	61





H(m)	D(m)	E(lx) 36°
1.0	0.6	370
2.0	1.3	93
3.0	1.9	41

Accessories



收光前罩
AC-501A

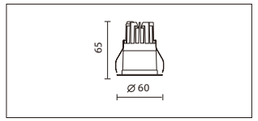


DA-012B



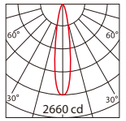
LED : LED (COB)
Power : LED 7.5Wx1 (200mA)
Input : AC 220-240V
Beam Angle : 25°
Driver Type : Independent
Driver : LIC9W200-Z





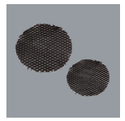






H(m)	D(m)	E(lx) 25°
1.0	0.4	2660
2.0	0.9	665
3.0	1.3	296

Accessories



Honeycomb
AC-383C

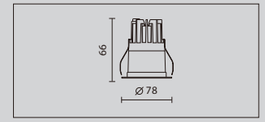


DA-013B



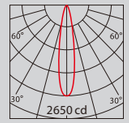
LED : LED (COB)
Power : LED 12Wx1 (300mA)
Input : AC 220-240V
Beam Angle : 25°/35°
Driver Type : Independent
Driver : LMC15W300-Z





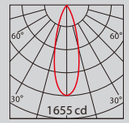






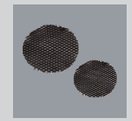
H(m)	D(m)	E(lx) 25°
1.0	0.4	2650
2.0	0.9	663
3.0	1.3	294





H(m)	D(m)	E(lx) 35°
1.0	0.6	1655
2.0	1.3	414
3.0	1.9	184

Accessories



Honeycomb
AC-383C

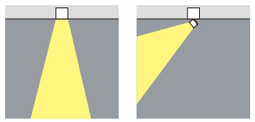


Features

- Bifunctional display lamp with stems
- Beam alignment adjustable, pull out as a spotlight which can tilt 90° and rotate 355°
- Glare-proof accessory ensures good visual comfort
- Mellow and even light output filtered by a secondary optical design

Applications

- Accent lighting for ceilings or showcases of museums, galleries and commercial applications.



reddot award 2014
winner

A'DESIGN AWARD
WINNER 2017
SILVER





RA-501R
LED 3Wx1(700mA)





RA-501S
LED 3Wx1(700mA)





RA-503R
LED 5Wx1(150mA)





RA-504R
LED 13Wx1(350mA)



Features



Round & Square Design



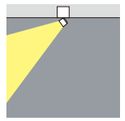
Accessories for anti-dazzle



Adjustable Spotlight



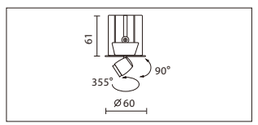




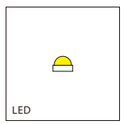
LED : LED
Power : LED 1.2Wx1(350mA)
LED 3Wx1(700mA)
Input : AC 100-277V
Beam Angle : 8°/12°/24°/36°
Driver Type : Independent
Driver : LSC4W350L-Z
LSC4W700-Z
355° rotation and 90° tilt

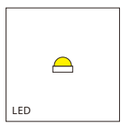
RA-501R

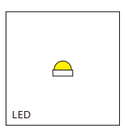
reddot award 2014
winner

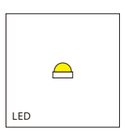




		H(m)	D(m)	E(lx) 8°
350mA : 1390 cd 700mA : 2480 cd		1.0	0.1	2480
		2.0	0.3	620
		3.0	0.4	276

		H(m)	D(m)	E(lx) 12°
350mA : 730 cd 700mA : 1270 cd		1.0	0.2	1270
		2.0	0.4	318
		3.0	0.6	141

		H(m)	D(m)	E(lx) 24°
350mA : 310 cd 700mA : 540 cd		1.0	0.4	540
		2.0	0.9	135
		3.0	1.3	60

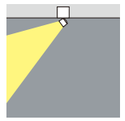
		H(m)	D(m)	E(lx) 36°
350mA : 210 cd 700mA : 365 cd		1.0	0.6	365
		2.0	1.3	91
		3.0	1.9	41

Accessories



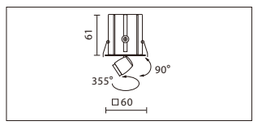
Anti-glare
louver
AC-501A



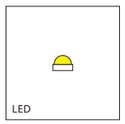


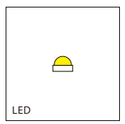
LED : LED
Power : LED 1.2Wx1(350mA)
LED 3Wx1(700mA)
Input : AC 100-277V
Beam Angle : 8°/12°/24°/36°
Driver Type : Independent
Driver : LSC4W350L-Z
LSC4W700-Z
355° rotation and 90° tilt

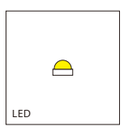
RA-501S

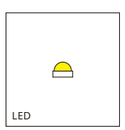




		H(m)	D(m)	E(lx) 8°
350mA : 1390 cd 700mA : 2480 cd		1.0	0.1	2480
		2.0	0.3	620
		3.0	0.4	276

		H(m)	D(m)	E(lx) 12°
350mA : 730 cd 700mA : 1270 cd		1.0	0.2	1270
		2.0	0.4	318
		3.0	0.6	141

		H(m)	D(m)	E(lx) 24°
350mA : 310 cd 700mA : 540 cd		1.0	0.4	540
		2.0	0.9	135
		3.0	1.3	60

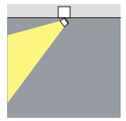
		H(m)	D(m)	E(lx) 36°
350mA : 210 cd 700mA : 365 cd		1.0	0.6	365
		2.0	1.3	91
		3.0	1.9	41

Accessories



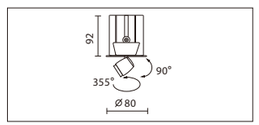
Anti-glare
louver
AC-501A



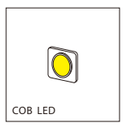


LED : LED (COB)
Power : LED 6W(150mA)
Input : AC 220-240V
Beam Angle : 25°/35°
Driver Type : Independent
Driver : EIP006C0150LSS
355° rotation and 90° tilt

RA-503R

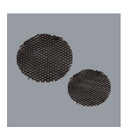




		H(m)	D(m)	E(lx) 25°
COB LED		1.0	0.4	1490
		2.0	0.9	373
		3.0	1.3	166

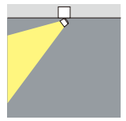
		H(m)	D(m)	E(lx) 35°
COB LED		1.0	0.6	1000
		2.0	1.3	250
		3.0	1.9	111

Accessories



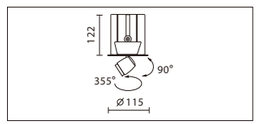
Honeycomb
AC-383C





LED : LED (COB)
Power : LED 13W(350mA)
Input : AC 220-240V
Beam Angle : 15°/20°/30°/50°
Driver Type : Independent
Driver : LCD-14-350-TL
355° rotation and 90° tilt

RA-504R





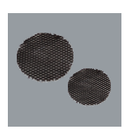
		H(m)	D(m)	E(lx) 15°
COB LED		1.0	0.3	6670
		2.0	0.5	1668
		3.0	0.8	741

		H(m)	D(m)	E(lx) 20°
COB LED		1.0	0.4	3760
		2.0	0.7	940
		3.0	1.1	418

		H(m)	D(m)	E(lx) 30°
COB LED		1.0	0.5	2600
		2.0	1.1	605
		3.0	1.6	289

		H(m)	D(m)	E(lx) 50°
COB LED		1.0	0.9	1620
		2.0	1.9	405
		3.0	2.8	180

Accessories



Honeycomb
AC-383C



Features

- Petite and delicate display light with glare-proof accessory
- Eccentric shaft design made the lamp able to be closer to the cabinet corner
- Integrated heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source
- Optional lighthead quantity and mounting type

Applications

- Accent lighting for showcases of museums, galleries and commercial applications.





LA-501H
LED 1.2Wx1(350mA)
LED 3Wx1(700mA)



LA-502H
LED 1.2Wx2(350mA)
LED 3Wx2(700mA)

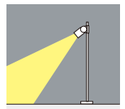






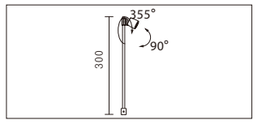


LA-501H



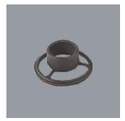
LED : LED
Power : LED 1.2Wx1(350mA)
LED 3Wx1(700mA)
Input : AC 100-240V
Beam Angle : 8°/12°/24°/36°
Driver Type : Independent
Driver : LSC4W350L-Z
LSC4W700-Z







Accessories

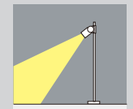


Anti-glare
louver
AC-501A

	H(m)	D(m)	E(lx)
			8°
350mA : 1390 cd 700mA : 2480 cd	1.0	0.1	1390
	2.0	0.3	348
	3.0	0.4	154
			12°
350mA : 730 cd 700mA : 1270 cd	1.0	0.2	730
	2.0	0.4	183
	3.0	0.6	81
			24°
350mA : 310 cd 700mA : 540 cd	1.0	0.4	310
	2.0	0.9	78
	3.0	1.3	34
			36°
350mA : 210 cd 700mA : 365 cd	1.0	0.6	210
	2.0	1.3	53
	3.0	1.9	23

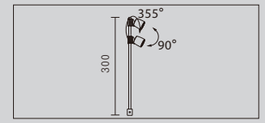


LA-502H



LED : LED
Power : LED 1.2Wx2(350mA)
LED 3Wx2(700mA)
Input : AC 100-240V
Beam Angle: 8°/12°/24°/36°
Driver Type : Independent
Driver : LSC4W350L-Z
LSC6W700-Z







Accessories

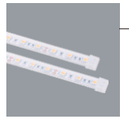


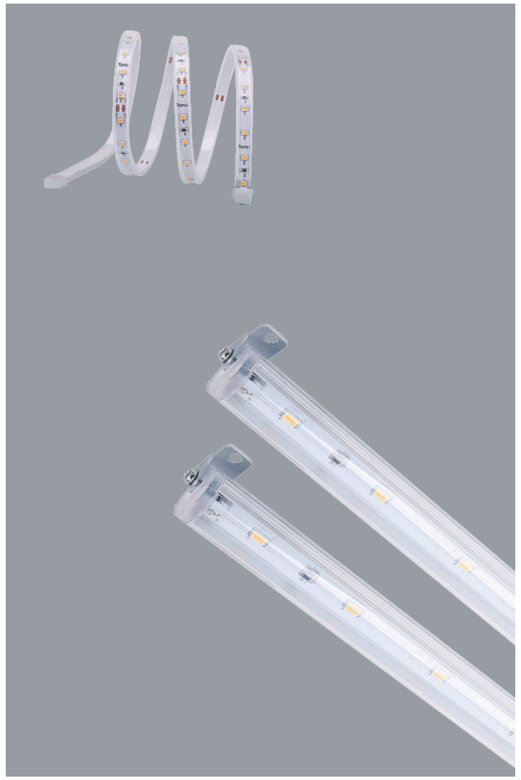
Anti-glare
louver
AC-501A

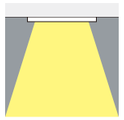
	H(m)	D(m)	E(lx)
			8°
350mA : 1390 cd 700mA : 2480 cd	1.0	0.1	1390
	2.0	0.3	348
	3.0	0.4	154
			12°
350mA : 730 cd 700mA : 1270 cd	1.0	0.2	730
	2.0	0.4	183
	3.0	0.6	81
			24°
350mA : 310 cd 700mA : 540 cd	1.0	0.4	310
	2.0	0.9	78
	3.0	1.3	34
			36°
350mA : 210 cd 700mA : 365 cd	1.0	0.6	210
	2.0	1.3	53
	3.0	1.9	23

Linear Lights



	Model	Page
	LV-L04A Series	P. 273
	LV-L06Q Series	P. 275
	LV-A012 Series	P. 276
	LS-L02A Series	P. 276
	LV-LK2D Series	P. 277





Features

- Easy to install
- Slim to fit into any spaces
- High quality LED, optional color temperatures and lengths
- Accurate optical design, wide beam with high luminous efficiency, save more energy than fluorescent tubes
- No toxic mercury, more health-friendly than fluorescent tubes

Applications

- Suitable for limited space such as shelves and cabinets or as indirect lighting in a space.





LV-L04A (24PCS LED=2W)
LV-L04B (48PCS LED=4W)
LV-L04C (72PCS LED=6W)
LV-L04D (96PCS LED=8W)



LV-L06Q-0.5M (12PCS LED=7W)
LV-L06Q-1M (24PCS LED=13W)
LV-L06Q-1.5M (36PCS LED=18W)

LV-L06H-0.5M (18PCS LED=10W)
LV-L06H-1M (36PCS LED=20W)
LV-L06H-1.5M (54PCS LED=27W)

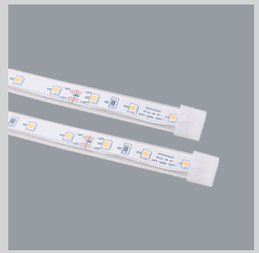


LV-L08Q-0.5M (18PCS LED=10W)
LV-L08Q-1M (36PCS LED=19W)
LV-L08Q-1.5M (54PCS LED=27W)

LV-L08H-0.5M (24PCS LED=13W)
LV-L08H-1M (48PCS LED=25W)
LV-L08H-1.5M (72PCS LED=35W)



LV-A012-0.1M (12PCS LED=1.2W)
LV-A012-0.3M (36PCS LED=3.6W)
LV-A012-0.5M (60PCS LED=6W)
LV-A012-1M (120PCS LED=12W)

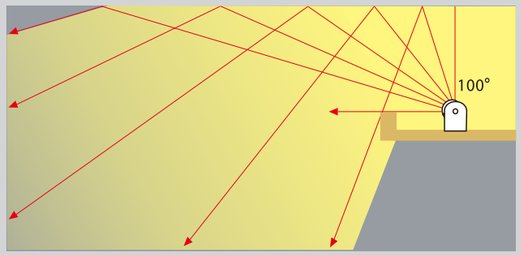


LS-L02A (5W/M,60PCS LED)

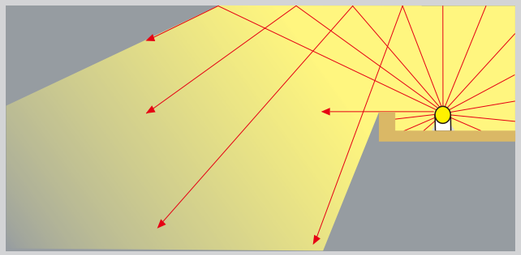


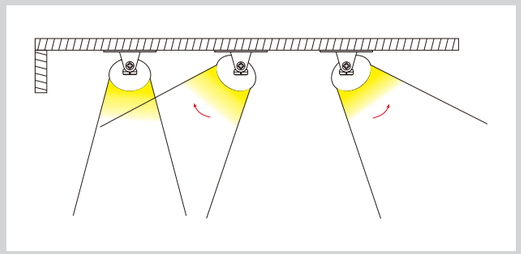
LS-L02B (10W/M,60PCS LED)

LV-L08Q
90° beam angle, able to raise the percentage of effective light
Adjustable directional illumination, energy saving up to 70%

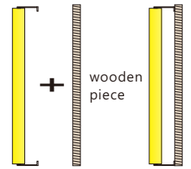


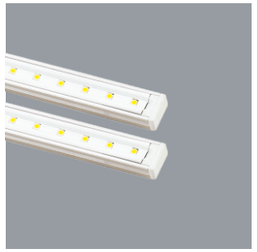
T5
Omni illumination, which only produce 25 % effective light



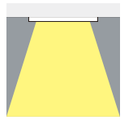


Installation Advice of
LV-L06Q & LV-L08Q
Use a piece of wood to aid fixing.

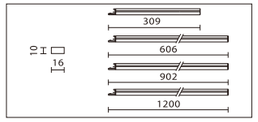




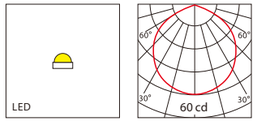
LV-L04A (24PCS LED=2W)
LV-L04B (48PCS LED=4W)
LV-L04C (72PCS LED=6W)
LV-L04D (96PCS LED=8W)



LED : LED
Input : DC 24V
Beam Angle : 110°
Driver Type : Independent
Available driver depends on the length on site







	H(m)	D(m)	E(lx) 110°
	1.0	2.9	60
	2.0	5.7	15
	3.0	8.6	6

LV-L04A 60cd
LV-L04B 130cd
LV-L04C 185cd
LV-L04D 230cd

Accessories for LV-L04



AC-L04A
Size :
16x16 · H:10



AC-L04B
Size :
13.5x16 · H:10



AC-L04C
Size :
55.5x16 · H:10

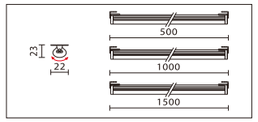


LV-L06Q-0.5M (12PCS LED=7W)
LV-L06Q-1M (24PCS LED=13W)
LV-L06Q-1.5M (36PCS LED=18W)

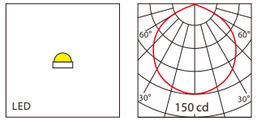
LV-L06H-0.5M (18PCS LED=10W)
LV-L06H-1M (36PCS LED=20W)
LV-L06H-1.5M (54PCS LED=27W)



LED : LED
Input : DC 24V
Beam Angle : 110°
Driver Type : Independent
Available driver depends on the length on site







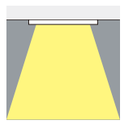
	H(m)	D(m)	E(lx) 110°
	1.0	2.9	150
	2.0	5.7	38
	3.0	8.6	17

LV-L06Q-0.5M 150cd
LV-L06Q-1M 280cd
LV-L06Q-1.5M 420cd
LV-L06H-0.5M 220cd
LV-L06H-1M 435cd
LV-L06H-1.5M 635cd

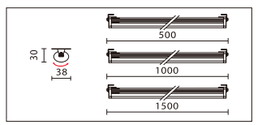


LV-L08Q-0.5M (18PCS LED=10W)
LV-L08Q-1M (36PCS LED=19W)
LV-L08Q-1.5M (54PCS LED=27W)

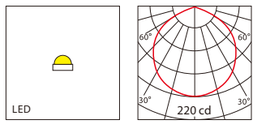
LV-L08H-0.5M (24PCS LED=13W)
LV-L08H-1M (48PCS LED=25W)
LV-L08H-1.5M (72PCS LED=35W)



LED : LED
Input : DC 24V
Beam Angle : 105°
Driver Type : Independent
Available driver depends on the length on site





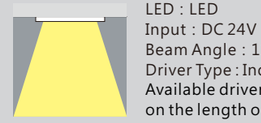


	H(m)	D(m)	E(lx) 105°
	1.0	2.6	220
	2.0	5.2	55
	3.0	7.8	24

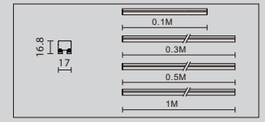
LV-L08Q-0.5M 220cd
LV-L08Q-1M 430cd
LV-L08Q-1.5M 625cd
LV-L08H-0.5M 290cd
LV-L08H-1M 695cd
LV-L08H-1.5M 810cd



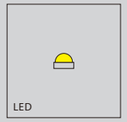
LV-A012-0.1M (12PCS LED=1.2W)
LV-A012-0.3M (36PCS LED=3.6W)
LV-A012-0.5M (60PCS LED=6W)
LV-A012-1M (120PCS LED=12W)

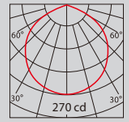


LED : LED
Input : DC 24V
Beam Angle : 110°
Driver Type : Independent
Available driver depends on the length on site









	H(m)	D(m)	E(lx) 110°
	1.0	2.9	270
	2.0	5.7	68
	3.0	8.6	30

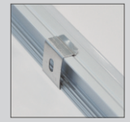
LV-A012-1M 270cd



Seamless optical splicing



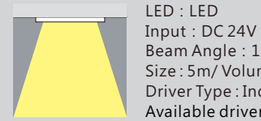
Installation and fixation 1 : Internal card



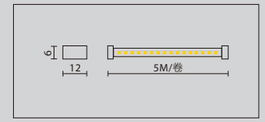
Installation and fixation 2 : External card



LS-L02A (5W/M,60PCS LED)

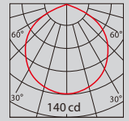


LED : LED
Input : DC 24V
Beam Angle : 110°
Size : 5m/ Volume
Driver Type : Independent
Available driver depends on the length on site







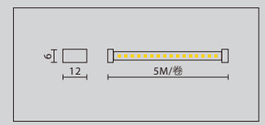


	H(m)	D(m)	E(lx) 110°
	1.0	2.9	140
	2.0	5.7	35
	3.0	8.6	16

LS-L02A-1M 140cd



LS-L02B (10W/M,60PCS LED)





LED : LED
Input : DC 24V
Beam Angle : 110°
Size : 5m/ Volume
Driver Type : Independent
Available driver depends on the length on site

	H(m)	D(m)	E(lx) 110°
	1.0	2.9	280
	2.0	5.7	70
	3.0	8.6	31

LS-L02A-1M 280cd

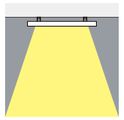


Features

- A compact wall washer with high power
- Slim and easy to install
- Made of extra strong stretching aluminum to be more stable
- Accurate optical design with high luminous efficiency

Applications

- Suitable as fill light for limited space such as shelves and cabinets; or as grazing light to emphasize the texture of a wall.







LW-018-0.3M-A (6W)
LW-018-0.5M-A (9W)
LW-018-1.0M-A (18W)



LV-LK2D-0.3M-A
LV-LK2D-1.0M-A

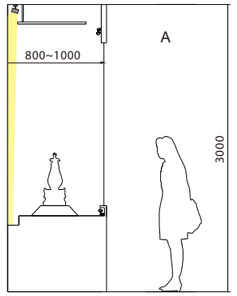


LV-LK2DW-0.3M-B
LV-LK2DW-0.3M-C
LV-LK2DW-0.3M-D

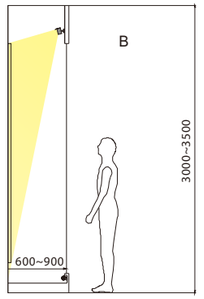
LV-LK2DW-1.0M-B
LV-LK2DW-1.0M-C
LV-LK2DW-1.0M-D



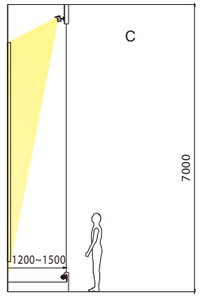
LV-LK2D-1.0M-A
LW-018-1.0M-A



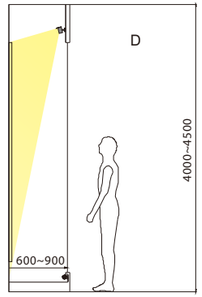
LV-LK2DW-1.0M-B



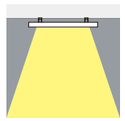
LV-LK2DW-1.0M-C



LV-LK2DW-1.0M-D

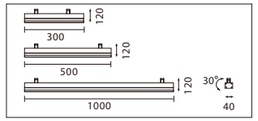


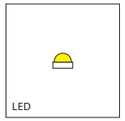




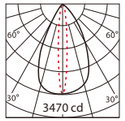
LED : LED
Power : LED 6W / 0.3M
LED 9W / 0.5M
LED 18W / 1.0M
Input : DC 24V
Driver Type : Independent
Available driver depends
on the length on site

LW-018-0.3M-A (6W)
LW-018-0.5M-A (9W)
LW-018-1.0M-A (18W)



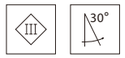


LW-018-1.0M-A



H(m)	E(lx)
1.0	3470
2.0	868
3.0	386

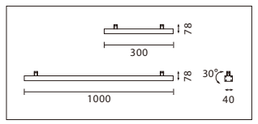
C90-270
C0-180





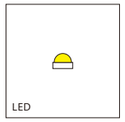
LED: LED
Power : LED 7.5W / 0.3M
LED 30W / 1.0M
Input : DC 24V
Beam Angle : 8°/12°
Driver Type : Independent
Available driver depends
on the length on site

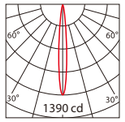
LV-LK2D-0.3M-A
LV-LK2D-1.0M-A





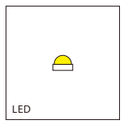
LV-LK2D-0.3M-A

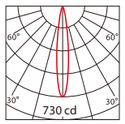




H(m)	D(m)	E(lx) 8°
1.0	0.1	1390
2.0	0.3	348
3.0	0.4	154

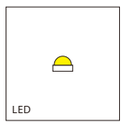
LV-LK2D-0.3M-A

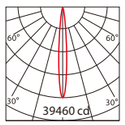




H(m)	D(m)	E(lx) 12°
1.0	0.2	730
2.0	0.4	183
3.0	0.6	81

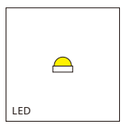
LV-LK2D-1.0M-A

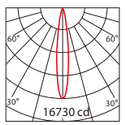




H(m)	D(m)	E(lx) 8°
1.0	0.1	39460
2.0	0.3	9865
3.0	0.4	4384

LV-LK2D-1.0M-A





H(m)	D(m)	E(lx) 12°
1.0	0.2	16730
2.0	0.4	4183
3.0	0.6	1859

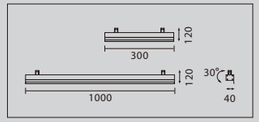




LED: LED
Power : LED 7.5W / 0.3M
LED 30W / 1.0M
Input : DC 24V
Driver Type : Independent
Available driver depends
on the length on site

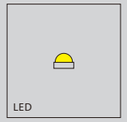
LV-LK2DW-0.3M-B
LV-LK2DW-0.3M-C
LV-LK2DW-0.3M-D

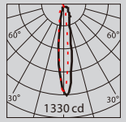
LV-LK2DW-1.0M-B
LV-LK2DW-1.0M-C
LV-LK2DW-1.0M-D





LV-LK2DW-0.3M-B

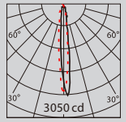




H(m)	E(lx)
1.0	1330
2.0	333
3.0	144

LV-LK2DW-0.3M-C

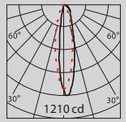




H(m)	E(lx)
1.0	3050
2.0	763
3.0	339

LV-LK2DW-0.3M-D

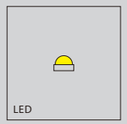


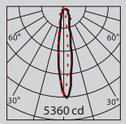


H(m)	E(lx)
1.0	1210
2.0	303
3.0	134

C90-270
C0-180

LV-LK2DW-1.0M-B

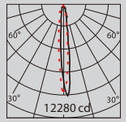




H(m)	E(lx)
1.0	5360
2.0	1340
3.0	596

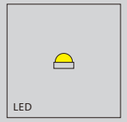
LV-LK2DW-1.0M-C

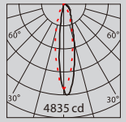




H(m)	E(lx)
1.0	12280
2.0	3070
3.0	1364

LV-LK2DW-1.0M-D





H(m)	E(lx)
1.0	4835
2.0	1209
3.0	537

C90-270
C0-180

Task Lights







Model	Page
TA-04DB	P. 285





TA-04AA	P. 286





TA-08DB	P. 287





TA-08AA	P. 288



Features

- Freely bendable structure which can be adjusted precisely for optimum beam alignment
- Great heat dissipation which ensures long lifespan of the LED for saving maintenance cost
- Special light guide material made even light output without flicking or overlapping shadows
- Greatoptical design for glare-proof which ensures visual comfort

Applications

- Desk light for offices or architect's drawing table.







TA-04DB



TA-04AA



TA-08DB

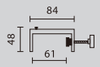


TA-08AA

Accessories



Mounting clamp
AB-C



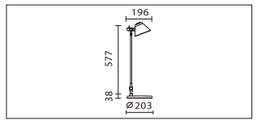




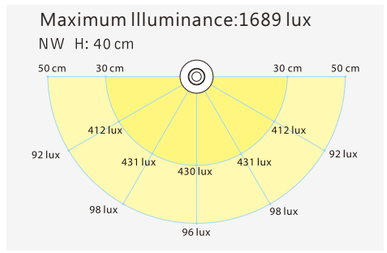
LED : LED
Power : LED 1.2Wx6 (350mA)
Input : AC 100-240V
Driver Type : Independent

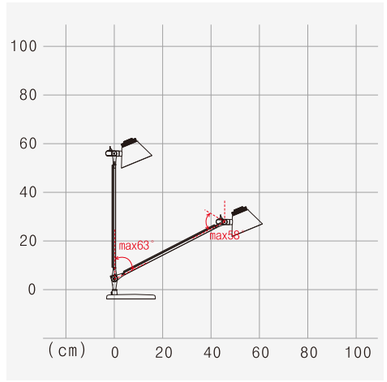


TA-04DB









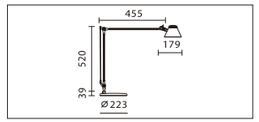




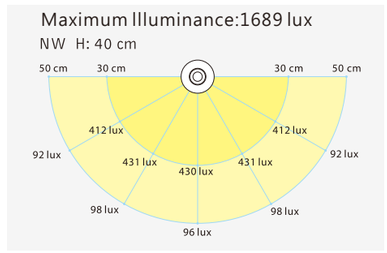
LED : LED
Power : LED 1.2Wx6 (350mA)
Input : AC 100-240V
Driver Type : Independent

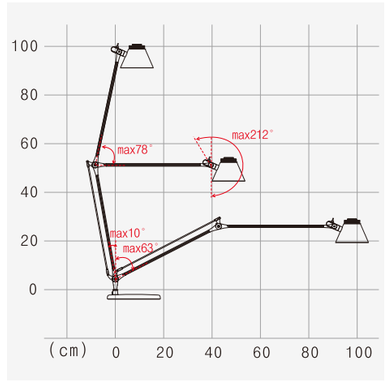


TA-04AA









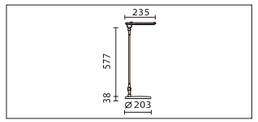




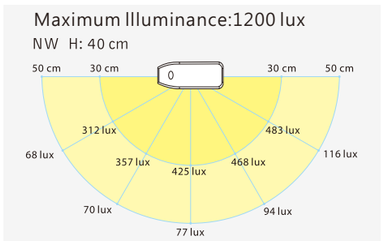
LED : LED
Power : LED 1.2Wx8 (350mA)
Input : AC 100-240V
Driver Type : Independent

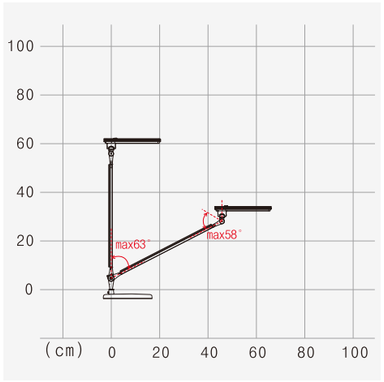


TA-08DB









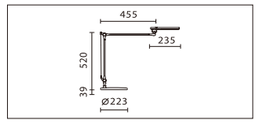




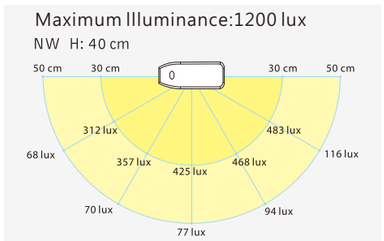
LED : LED
Power : LED 1.2Wx8 (350mA)
Input : AC 100-240V
Driver Type : Independent

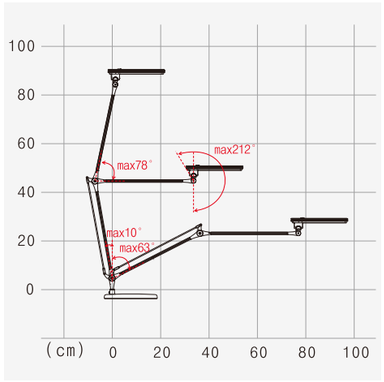


TA-08AA















Outdoor Downlights





30°
Cut-off

IP65

Model	Page
ODG-106B	P. 295



30°
Cut-off

IP65

Model	Page
ODG-108B	P. 296



Features

- Innovated outdoor downlight with high luminous efficiency
- Dust and moisture proof: IP65
- Optional beam angles
- Deep anti-glare structure,30° cut-off angle to avoid discomfort glare
- Front cover is without screws, a smooth contour design
- Springs designed to improve installation efficiency
- Optional accessories: new patented anti-glare louver, cut-off angle > 30°or honeycomb

Applications

- Ideal for façade,porches, corridors, parking lots or any outdoor spaces with ceilings.



30°
Cut-off

IP65





ODG-106B(C18)
LED 19.5W(500mA)

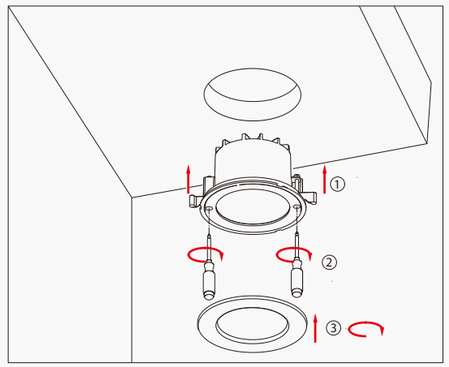
ø150



ODG-108B(C25)
LED 28W(700mA)

ø200

Installation Advice

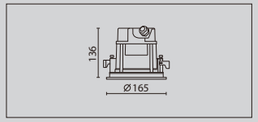




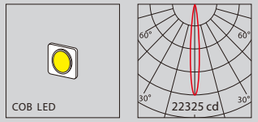
ODG-106B(C18)



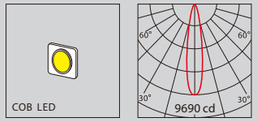
LED : LED (COB)
Power : LED 19.5W (500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W500HP



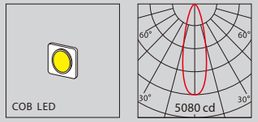




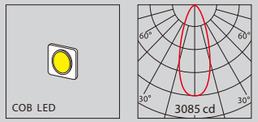
H(m)	D(m)	E(lx) 10°
1.0	0.2	22325
2.0	0.3	5581
3.0	0.5	2481



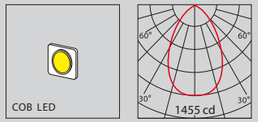
H(m)	D(m)	E(lx) 20°
1.0	0.4	9690
2.0	0.7	2423
3.0	1.1	1077



H(m)	D(m)	E(lx) 30°
1.0	0.5	5080
2.0	1.1	1270
3.0	1.6	564



H(m)	D(m)	E(lx) 40°
1.0	0.7	3085
2.0	1.5	771
3.0	2.2	343



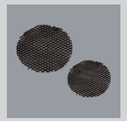
H(m)	D(m)	E(lx) 60°
1.0	1.2	1455
2.0	2.3	364
3.0	3.5	162

Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO

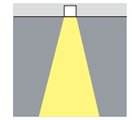
Applicable to :
12°~30° reflector



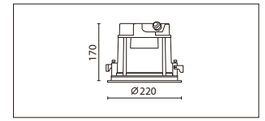
Honeycomb
AC-984C



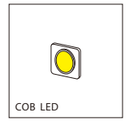
ODG-108B(C25)

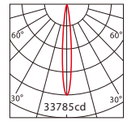


LED : LED (COB)
Power : LED 28W (700mA)
Input : AC 120-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCD36W700

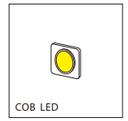


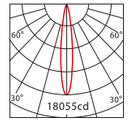






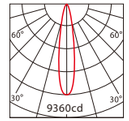
H(m)	D(m)	E(lx) 12°
1.0	0.2	33785
2.0	0.4	8446
3.0	0.6	3754



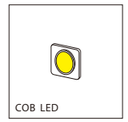


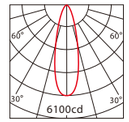
H(m)	D(m)	E(lx) 15°
1.0	0.3	18055
2.0	0.5	4514
3.0	0.8	2006



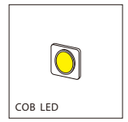


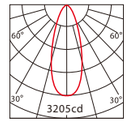
H(m)	D(m)	E(lx) 20°
1.0	0.4	9360
2.0	0.7	2340
3.0	1.1	1040





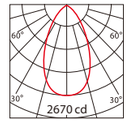
H(m)	D(m)	E(lx) 30°
1.0	0.5	6100
2.0	1.1	1525
3.0	1.6	678





H(m)	D(m)	E(lx) 40°
1.0	0.7	3205
2.0	1.5	801
3.0	2.2	356





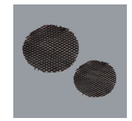
H(m)	D(m)	E(lx) 60°
1.0	1.2	2670
2.0	2.3	668
3.0	3.5	297

Accessories



Anti-glare louver
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO

Applicable to :
12°~30° reflector



Honeycomb
ACO-208H

Outdoor Ceiling Lights





Model	Page
OWG-704R Series	P. 301





Model	Page
OWA-112R Series	P. 303





Features

- Surface-mount outdoor ceiling light
- Dust and moisture proof: IP65
- Optional beam angles
- 30° cut-off angle to avoid discomfort glare
- Built-in driver, easy to install

Applications

- Ideal for façade,porches, corridors, parking lots or any outdoor spaces with ceilings.



30°
Cut-off

IP65





OWG-704R(C12)
LED 14W(350mA)



OWG-705R(C18)
LED 19.5W(500mA)



OWG-706R(C25)
LED 28W(700mA)

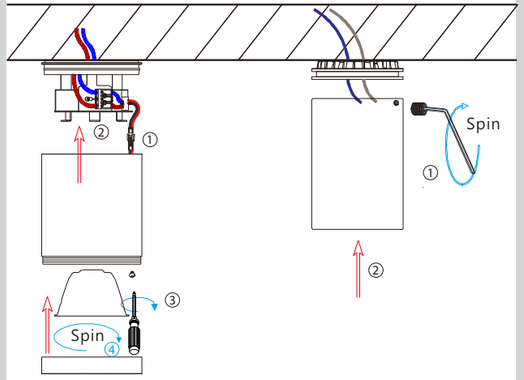


OWA-112R(C18)
LED 19.5W(500mA)



OWA-115R(C25)
LED 28W(700mA)

Installation Advice



OWG-704R
OWG-705R
OWG-706R

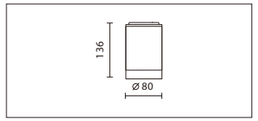
OWA-112R
OWA-115R



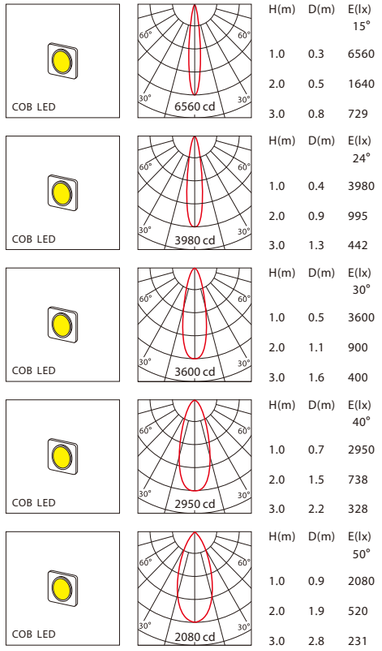
OWG-704R(C12)



LED : LED (COB)
Power : LED 14W(350mA)
Input : AC 100-277V
Beam Angle : 15°/24°/30°
40°/50°
Driver Type : Built-in
Driver : LCS 20W 350P







H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729

H(m)	D(m)	E(lx) 24°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442

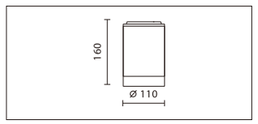
H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400

H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328

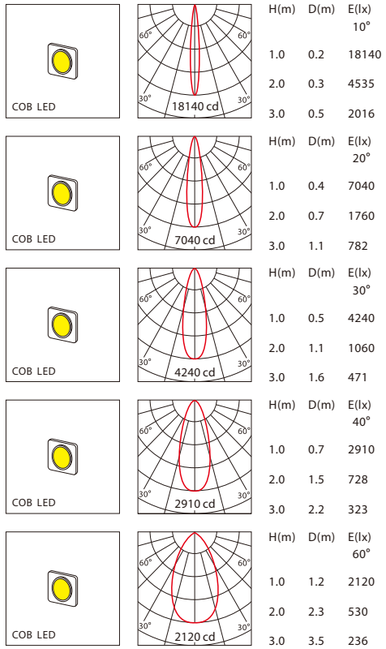
H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231



OWG-705R(C18)







H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016

H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.7	1760
3.0	1.1	782

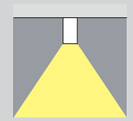
H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323

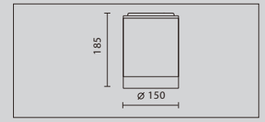
H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236



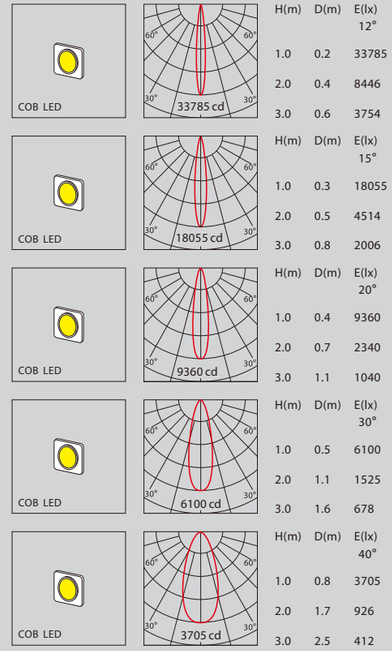
OWG-706R(C25)



LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 120-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCD36W 700







H(m)	D(m)	E(lx) 12°
1.0	0.2	33785
2.0	0.4	8446
3.0	0.6	3754

H(m)	D(m)	E(lx) 15°
1.0	0.3	18055
2.0	0.5	4514
3.0	0.8	2006

H(m)	D(m)	E(lx) 20°
1.0	0.4	9360
2.0	0.7	2340
3.0	1.1	1040

H(m)	D(m)	E(lx) 30°
1.0	0.5	6100
2.0	1.1	1525
3.0	1.6	678

H(m)	D(m)	E(lx) 40°
1.0	0.8	3705
2.0	1.7	926
3.0	2.5	412

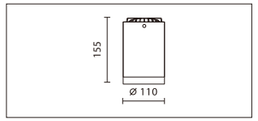
H(m)	D(m)	E(lx) 60°
1.0	1.2	2670
2.0	2.3	668
3.0	3.5	297



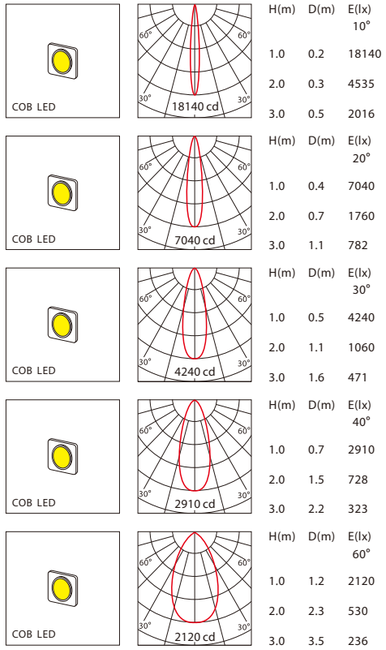
OWA-112R(C18)



LED : LED (COB)
Power : LED 19.5W(500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCS 20W 500HP





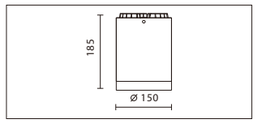




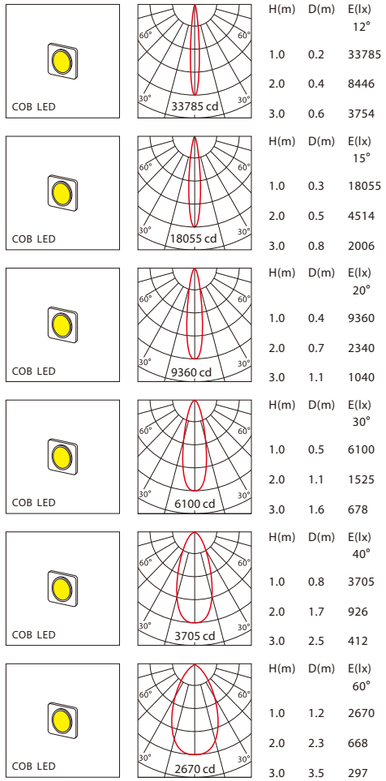
OWA-115R(C25)



LED : LED (COB)
Power : LED 28W(700mA)
Input : AC 120-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCD36W 700

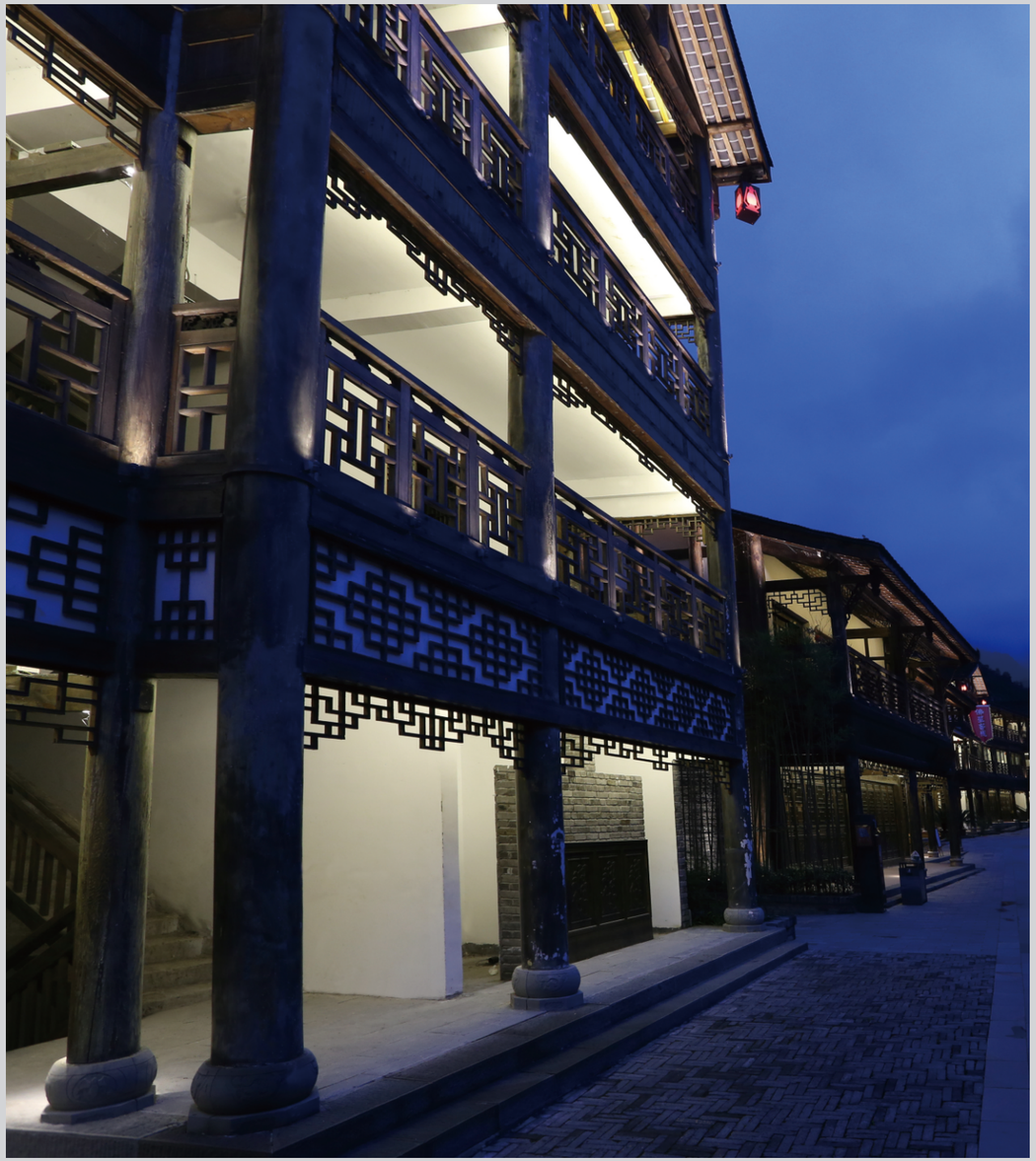


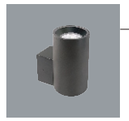
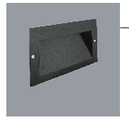






Outdoor Wall Lights



	Model	Page
	KL-109RA Series	P. 307
	IP65	
	KL-208SA Series KL-108SA Series	P. 313
	IP65	
	KL-109LA Series	P. 321
	IP65	
	OBA-113R Series	P. 325
	30° Cut-off IP65	
	OBA-112S Series	P. 331
	30° Cut-off IP65	
	KR-104B Series	P. 339
	IP65	
	OQO-506 Series	P. 341
	IP65	
	KR-001B Series	P. 343
	IP65	

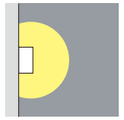


Features

- Dust and moisture proof: IP65
- Modern style in 3 sizes
- Integrated heatsink design, faster heat dissipation, ensures stable and long lifespan of the light source
- Mellow and even light output filtered by a special optical mask
- The UV resistant plastic shade passed IK testing, won't be yellowish or get brittle easily after long term usage

Applications

- Wall light for balconies, corridors, parking lots etc.



IP65





KL-109RA
LED 10.5W



KL-111RA
LED 14W



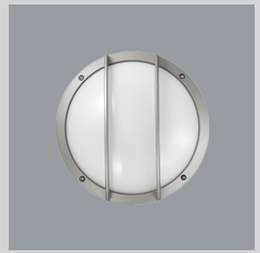
KL-113RA
LED 17.5W



KL-109RB
LED 10.5W



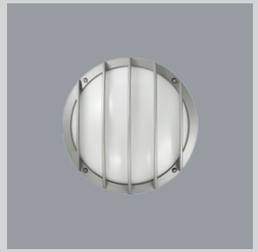
KL-111RB
LED 14W



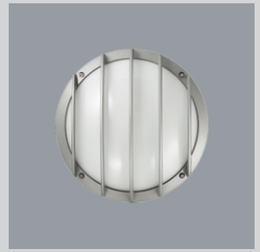
KL-113RB
LED 17.5W



KL-109RC
LED 10.5W



KL-111RC
LED 14W



KL-113RC
LED 17.5W



Integrated heat dissipation structure



Ceiling-mounted



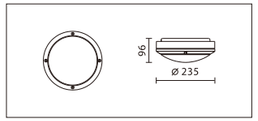
Wall- mounted

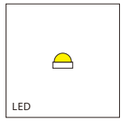


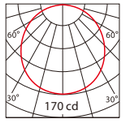


LED : LED
Power : LED 10.5W
Input : AC 100-240V
Beam Angle : 115°
Driver Type : Built-in

KL-109RA







H(m)	D(m)	E(lx) 115°
1.0	3.1	170
2.0	6.3	43
3.0	9.4	19

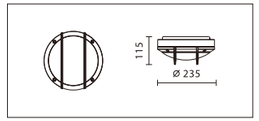


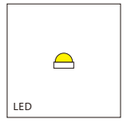


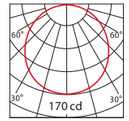


LED : LED
Power : LED 10.5W
Input : AC 100-240V
Beam Angle : 115°
Driver Type : Built-in

KL-109RB



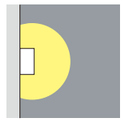




H(m)	D(m)	E(lx) 115°
1.0	3.1	170
2.0	6.3	43
3.0	9.4	19

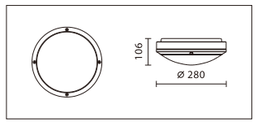


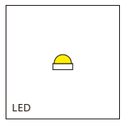


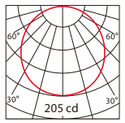


LED : LED
Power : LED 14W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

KL-111RA



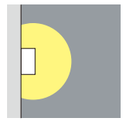




H(m)	D(m)	E(lx) 116°
1.0	3.2	205
2.0	6.4	51
3.0	9.6	23

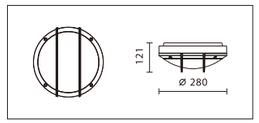


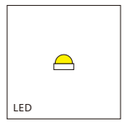


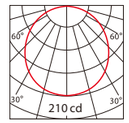


LED : LED
Power : LED 14W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

KL-111RB



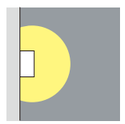




H(m)	D(m)	E(lx) 105°
1.0	2.6	210
2.0	5.2	52
3.0	7.8	24

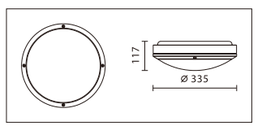


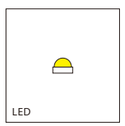


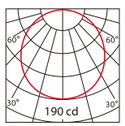


LED : LED
Power : LED 17.5W
Input : AC 100-240V
Beam Angle : 115°
Driver Type : Built-in

KL-113RA

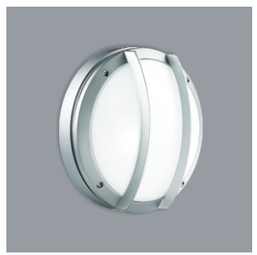


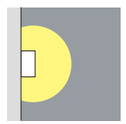




H(m)	D(m)	E(lx) 115°
1.0	3.1	190
2.0	6.3	48
3.0	9.4	21

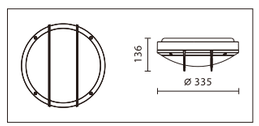


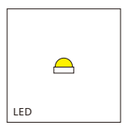


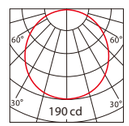


LED : LED
Power : LED 17.5W
Input : AC 100-240V
Beam Angle : 115°
Driver Type : Built-in

KL-113RB

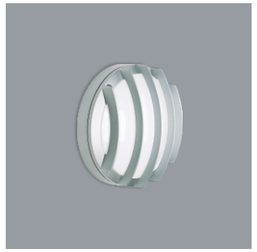






H(m)	D(m)	E(lx) 115°
1.0	3.1	190
2.0	6.3	48
3.0	9.4	21

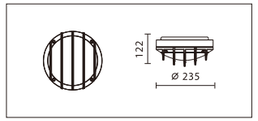


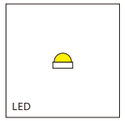


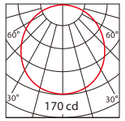


LED : LED
Power : LED 10.5W
Input : AC 100-240V
Beam Angle : 115°
Driver Type : Built-in

KL-109RC



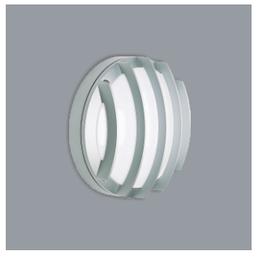




H(m)	D(m)	E(lx) 115°
1.0	3.1	170
2.0	6.3	43
3.0	9.4	19



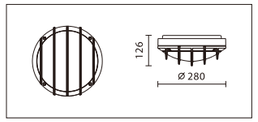
IP65

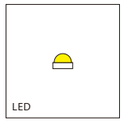


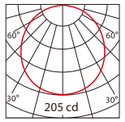


LED : LED
Power : LED 14W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

KL-111RC



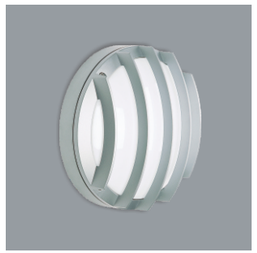


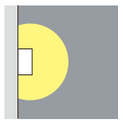


H(m)	D(m)	E(lx) 105°
1.0	2.6	205
2.0	5.2	51
3.0	7.8	23



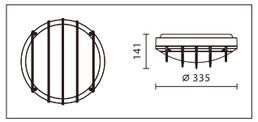
IP65

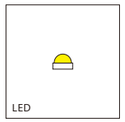


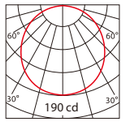


LED : LED
Power : LED 17.5W
Input : AC 100-240V
Beam Angle : 115°
Driver Type : Built-in

KL-113RC



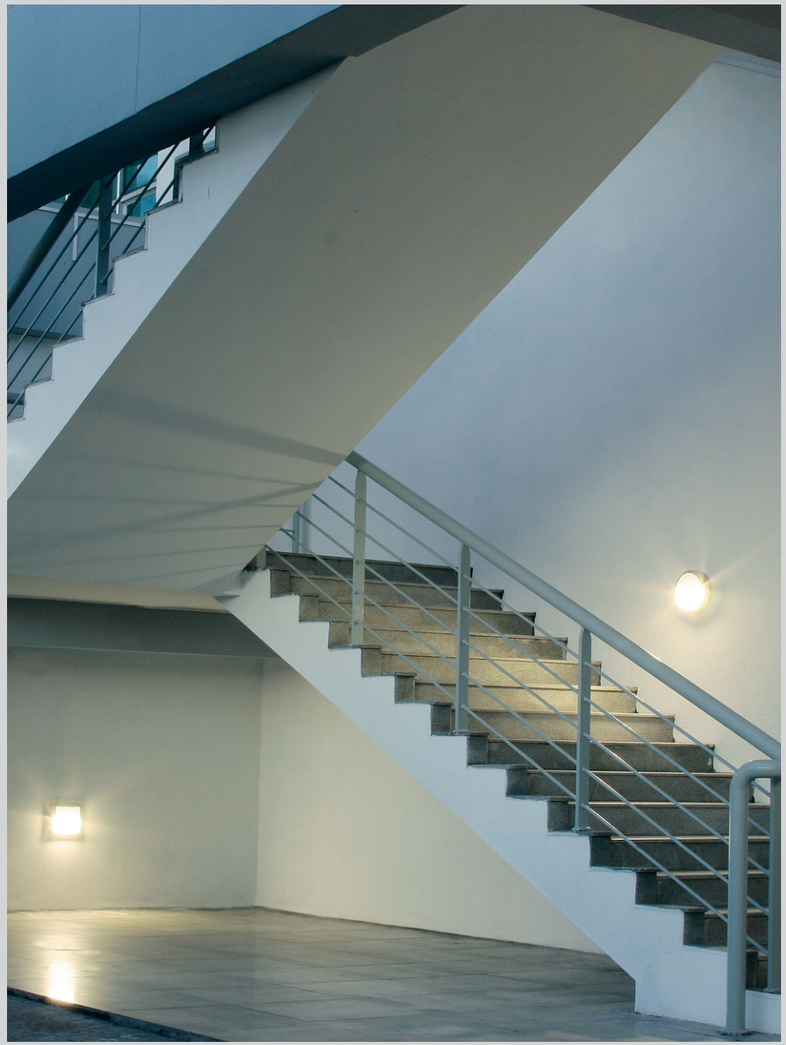




H(m)	D(m)	E(lx) 115°
1.0	3.1	190
2.0	6.3	48
3.0	9.4	21



IP65





Features

- Downward light output
- Dust and moisture proof: IP65
- Modern style in 3 sizes
- Integrated heatsink design, faster heat dissipation, ensures stable and long lifespan of the light source
- Mellow and even light output filtered by a special optical cover
- The UV resistant plastic shade passed IK testing, won't be yellowish or get brittle easily after long term usage

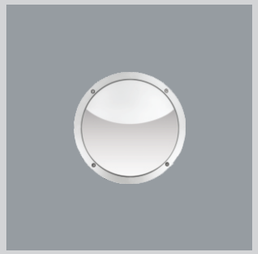
Applications

- Wall light for balconies, corridors, parking lots etc.

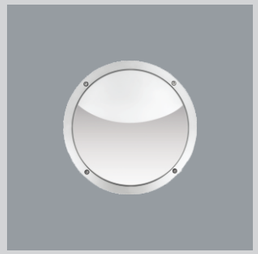


IP65

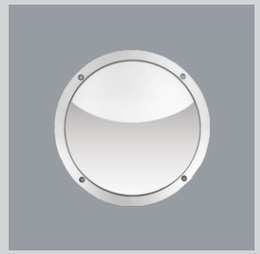




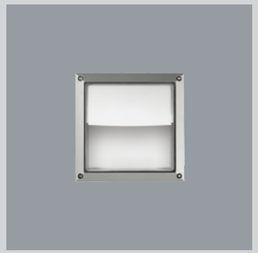
KL-209RA
LED 7W



KL-211RA
LED 10.5W



KL-213RA
LED 14W



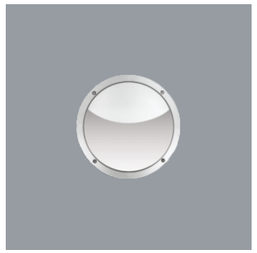
KL-208SA
LED 7W



KL-210SA
LED 10.5W



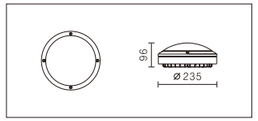
KL-212SA
LED 14W

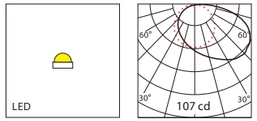




LED : LED
Power : LED 7W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

KL-209RA





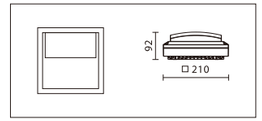
IP65

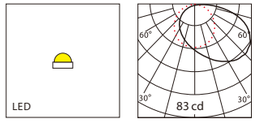




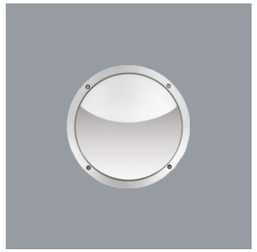
LED : LED
Power : LED 7W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

KL-208SA





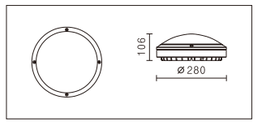
IP65

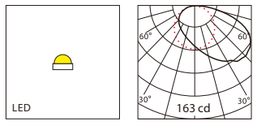




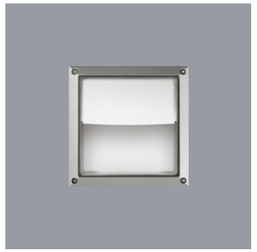
LED : LED
Power : LED 10.5W
Input : AC 100-240V
Beam Angle : 117°
Driver Type : Built-in

KL-211RA





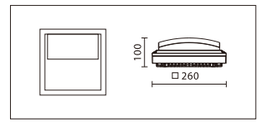
IP65

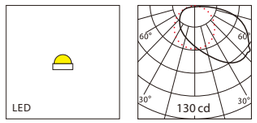




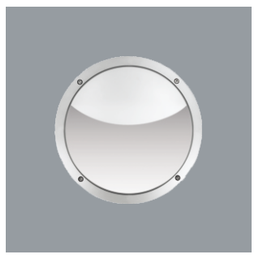
LED : LED
Power : LED 10.5W
Input : AC 100-240V
Beam Angle : 117°
Driver Type : Built-in

KL-210SA





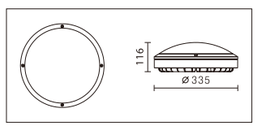
IP65

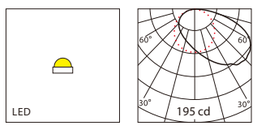




LED : LED
Power : LED 14W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

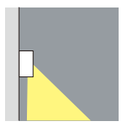
KL-213RA





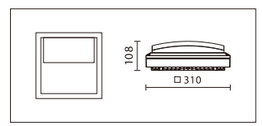
IP65

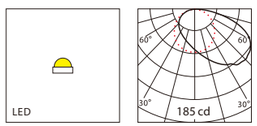




LED : LED
Power : LED 14W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

KL-212SA





IP65

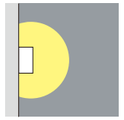


Features

- Dust and moisture proof: IP65
- Modern style in 3 sizes
- Integrated heatsink design, faster heat dissipation, ensures stable and long lifespan of the light source
- Mellow and even light output filtered by a special optical cover
- The UV resistant plastic shade passed IK testing, won't be yellowish or get brittle easily after long term usage

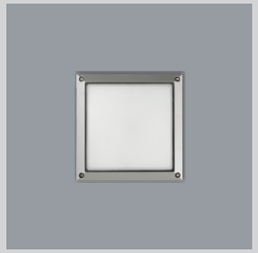
Applications

- Wall light for balconies, corridors, parking lots etc.

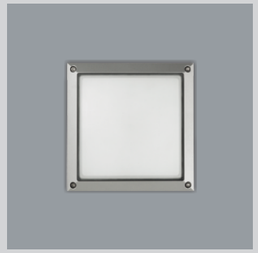


IP65





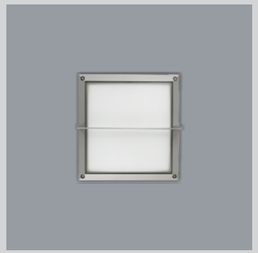
KL-108SA
LED 10.5W



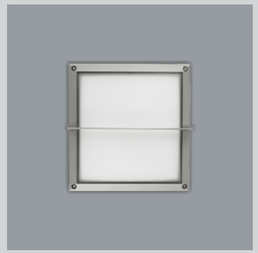
KL-110SA
LED 14W



KL-112SA
LED 17.5W



KL-108SB
LED 10.5W



KL-110SB
LED 14W



KL-112SB
LED 17.5W



UV resistance shell



Shell Accessory for different style



Integrated heat dissipation structure



Ceiling-mounted



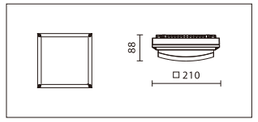
Wall-mounted

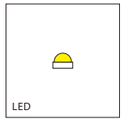


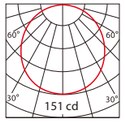


LED : LED
Power : LED 10.5W
Input : AC 100-240V
Beam Angle : 120°
Driver Type : Built-in

KL-108SA







H(m)	D(m)	E(lx) 120°
1.0	3.5	151
2.0	6.9	38
3.0	10.4	17

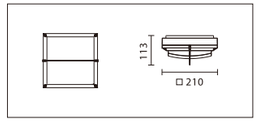


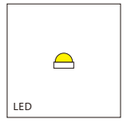


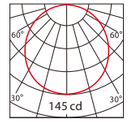


LED : LED
Power : LED 10.5W
Input : AC 100-240V
Beam Angle : 120°
Driver Type : Built-in

KL-108SB



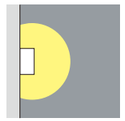




H(m)	D(m)	E(lx) 118°
1.0	3.5	145
2.0	6.9	36
3.0	10.4	16

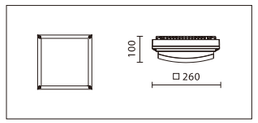


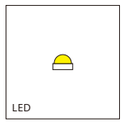


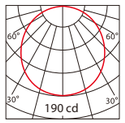


LED : LED
Power : LED 14W
Input : AC 100-240V
Beam Angle : 115°
Driver Type : Built-in

KL-110SA



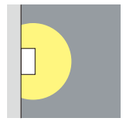




H(m)	D(m)	E(lx) 115°
1.0	3.1	190
2.0	6.3	48
3.0	9.4	21

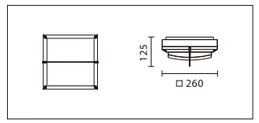


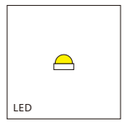


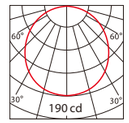


LED : LED
Power : LED 14W
Input : AC 100-240V
Beam Angle : 115°
Driver Type : Built-in

KL-110SB



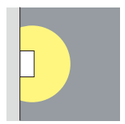




H(m)	D(m)	E(lx) 115°
1.0	3.1	190
2.0	6.3	48
3.0	9.4	21

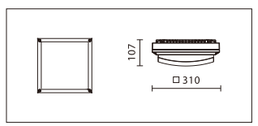


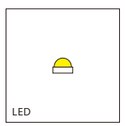


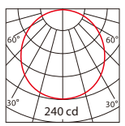


LED : LED
Power : LED 17.5W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

KL-112SA

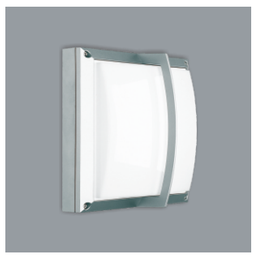


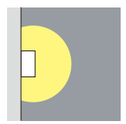




H(m)	D(m)	E(lx) 116°
1.0	3.2	240
2.0	6.4	60
3.0	9.6	27

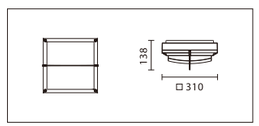


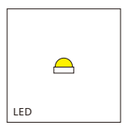


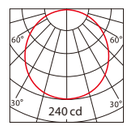


LED : LED
Power : LED 17.5W
Input : AC 100-240V
Beam Angle : 116°
Driver Type : Built-in

KL-112SB







H(m)	D(m)	E(lx) 120°
1.0	3.5	240
2.0	6.9	60
3.0	10.4	27



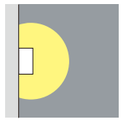


Features

- Dust and moisture proof: IP65
- Modern style in 2 sizes
- Integrated heatsink design, faster heat dissipation, ensures stable and long lifespan of the light source
- Mellow and even light output filtered by a special optical cover
- The UV resistant plastic shade passed IK testing, won't be yellowish or get brittle easily after long term usage

Applications

- Wall light for balconies, corridors, parking lots etc.



IP65





KL-109LA
LED 7W



KL-111LA
LED 10.5W



KL-109EA
LED 3.5W



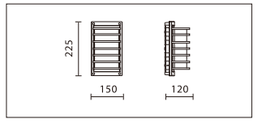
KL-112EA
LED 7W

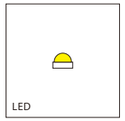


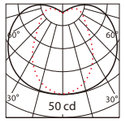


LED : LED
Power : LED 7W
Input : AC 100-240V
Beam Angle : 180°
Driver Type : Built-in

KL-109LA







C 90-270
C 0-180

H(m)	D(m)	E(lx) 180°
1.0	4.3	50
2.0	8.1	13
3.0	13.4	6

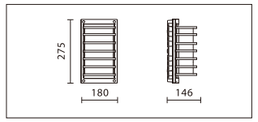
IP65

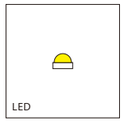


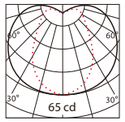


LED : LED
Power : LED 10.5W
Input : AC 100-240V
Beam Angle : 180°
Driver Type : Built-in

KL-111LA





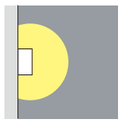


C 90-270
C 0-180

H(m)	D(m)	E(lx) 180°
1.0	4.3	65
2.0	8.1	16
3.0	13.4	7

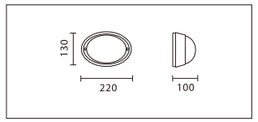
IP65

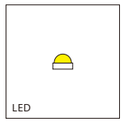


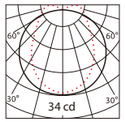


LED : LED
Power : LED 3.5W
Input : AC 100-240V
Beam Angle : 120°
Driver Type : Built-in

KL-109EA







H(m)	D(m)	E(lx) 120°
1.0	3.5	34
2.0	6.9	9
3.0	10.4	4

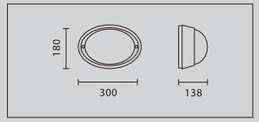
IP65



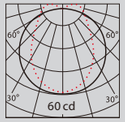


LED : LED
Power : LED 7W
Input : AC 100-240V
Beam Angle : 145°
Driver Type : Built-in

KL-112EA



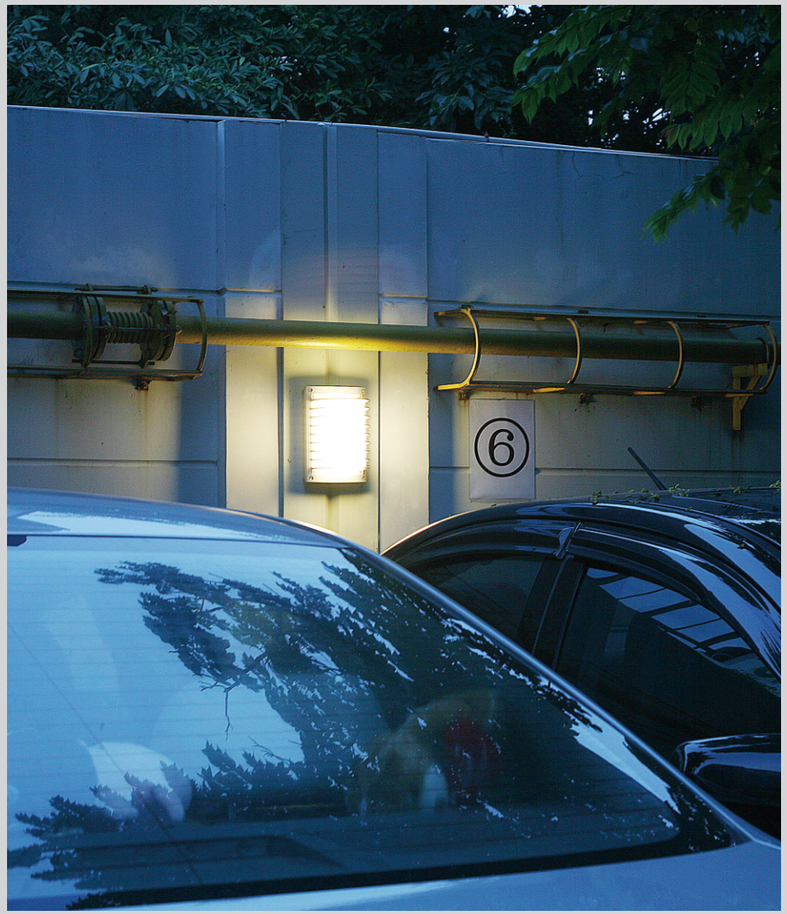




C 90-270
C 0-180

H(m)	D(m)	E(lx) 145°
1.0	3.7	60
2.0	7.4	15
3.0	11.1	7

IP65





Features

- Dust and moisture proof: IP65
- Modern cylinder style with optional sizes
- Optical design for glare-proof which ensures visual comfort
- Built-in driver, easy to install
- Light output: upward, downward and both
- Integrated heatsink design, faster heat dissipation, ensures stable and long lifespan of the light source

Applications

- Landscape lighting for façade,porches, corridors or parking lots.

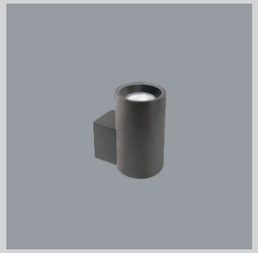




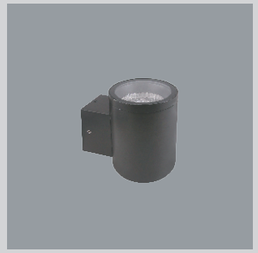




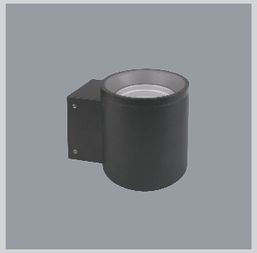




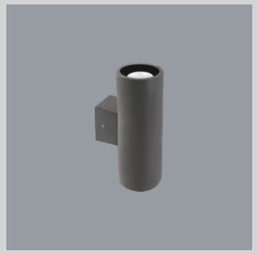
OBA-113R(C12)
LED 14W(350mA)



OBA-114R(C18)
LED 19.5W(500mA)



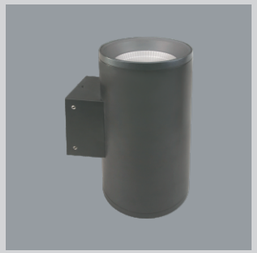
OBA-116R(C25)
LED 28W(700mA)



OBA-133R(C12)
LED 14W x 2(350mA)

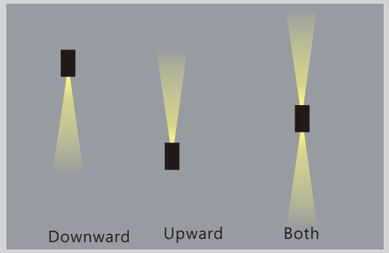


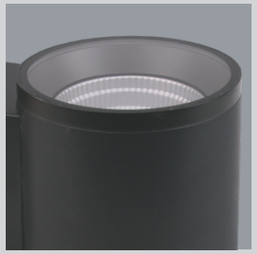
OBA-134R(C18)
LED 19.5W x 2(500mA)



OBA-136R(C25)
LED 28W x 2(700mA)

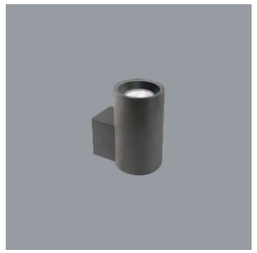
Applications





Cut-off Angle design

30° cut-off angle design for anti-dazzling

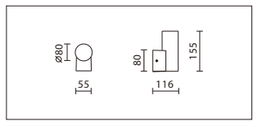


OBA-113R(C12)



30°
Cut-off

LED : LED (COB)
Power : LED14W(350mA)
Input : AC 100-277V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC20W350P UNI

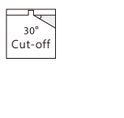


IP65

COB LED		H(m)	D(m)	E(lx) 15°
		1.0	0.3	6560
		2.0	0.5	1640
		3.0	0.8	729
COB LED	3980 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	3980
		2.0	0.9	995
		3.0	1.3	442
COB LED	3600 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	3600
		2.0	1.1	900
		3.0	1.6	400
COB LED	2950 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	2950
		2.0	1.5	738
		3.0	2.2	328
COB LED	2080 cd	H(m)	D(m)	E(lx) 50°
		1.0	0.9	2080
		2.0	1.9	520
		3.0	2.8	231

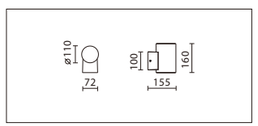


OBA-114R(C18)



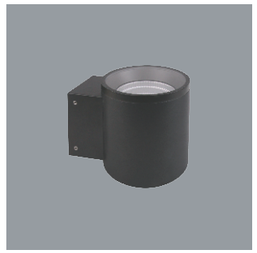
30°
Cut-off

LED : LED (COB)
Power : LED19.5W(500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W500HP



IP65

COB LED		H(m)	D(m)	E(lx) 10°
		1.0	0.2	18140
		2.0	0.3	4535
		3.0	0.5	2016
COB LED	7040 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	7040
		2.0	0.9	1760
		3.0	1.3	782
COB LED	4240 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	4240
		2.0	1.1	1060
		3.0	1.6	471
COB LED	2910 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	2910
		2.0	1.5	728
		3.0	2.2	323
COB LED	2120 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	2120
		2.0	2.3	530
		3.0	3.5	236

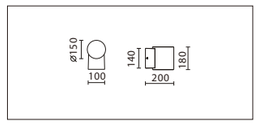


OBA-116R(C25)



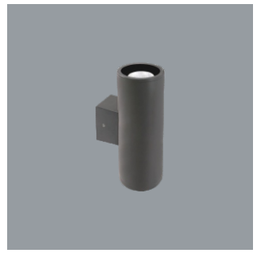
30°
Cut-off

LED : LED (COB)
Power : LED28W(700mA)
Input : AC 120-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCD36W700 UNI

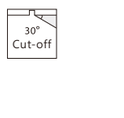


IP65

COB LED	33785 cd	H(m)	D(m)	E(lx) 12°
		1.0	0.2	33785
		2.0	0.4	8446
		3.0	0.6	3754
COB LED	18055 cd	H(m)	D(m)	E(lx) 15°
		1.0	0.3	18055
		2.0	0.5	4514
		3.0	0.8	2006
COB LED	9360 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	9360
		2.0	0.9	2340
		3.0	1.3	1040
COB LED	6100 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	6100
		2.0	1.1	1525
		3.0	1.6	678
COB LED	3705 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	3705
		2.0	1.5	926
		3.0	2.2	412
COB LED	2670 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	2670
		2.0	2.3	668
		3.0	3.5	297

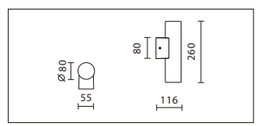


OBA-133R(C12)



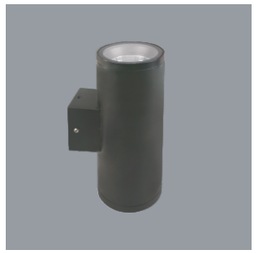
30°
Cut-off

LED : LED (COB)
Power : LED14W x 2(350mA)
Input : AC 120-240V
Beam Angle: 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LCD36W700 UNI



IP65

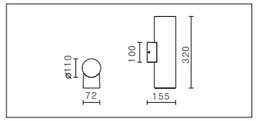
COB LED	6560 cd	H(m)	D(m)	E(lx) 15°
		1.0	0.3	6560
		2.0	0.5	1640
		3.0	0.8	729
COB LED	3980 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	3980
		2.0	0.9	995
		3.0	1.3	442
COB LED	3600 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	3600
		2.0	1.1	900
		3.0	1.6	400
COB LED	2950 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	2950
		2.0	1.5	738
		3.0	2.2	328
COB LED	2080 cd	H(m)	D(m)	E(lx) 50°
		1.0	0.9	2080
		2.0	1.9	520
		3.0	2.8	231



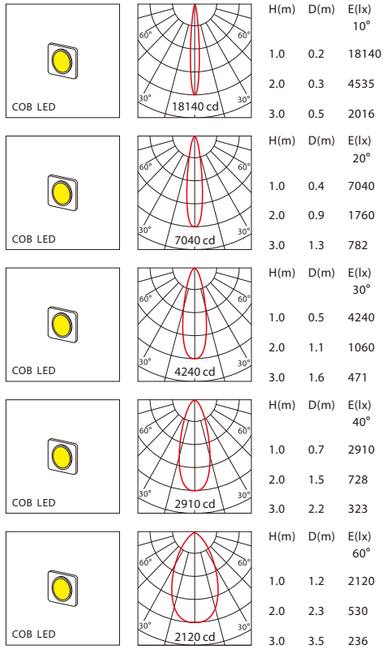
OBA-134R(C18)



LED : LED (COB)
Power : LED19.5W x2 (500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W500HP UNI x2



IP65



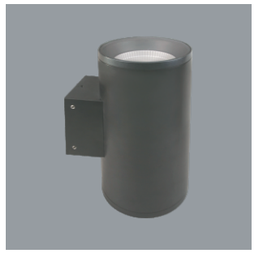
H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016

H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.9	1760
3.0	1.3	782

H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323

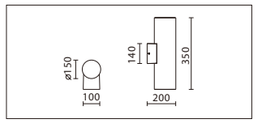
H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236



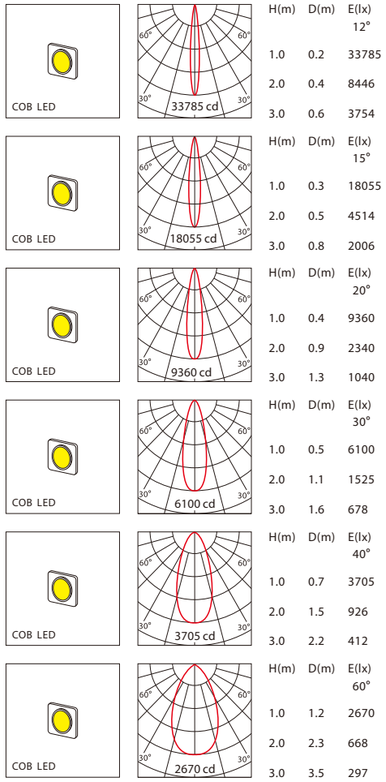
OBA-136R(C25)



LED : LED (COB)
Power : LED28W x2 (700mA)
Input : AC 120-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCD36W700 UNI x2



IP65



H(m)	D(m)	E(lx) 12°
1.0	0.2	33785
2.0	0.4	8446
3.0	0.6	3754

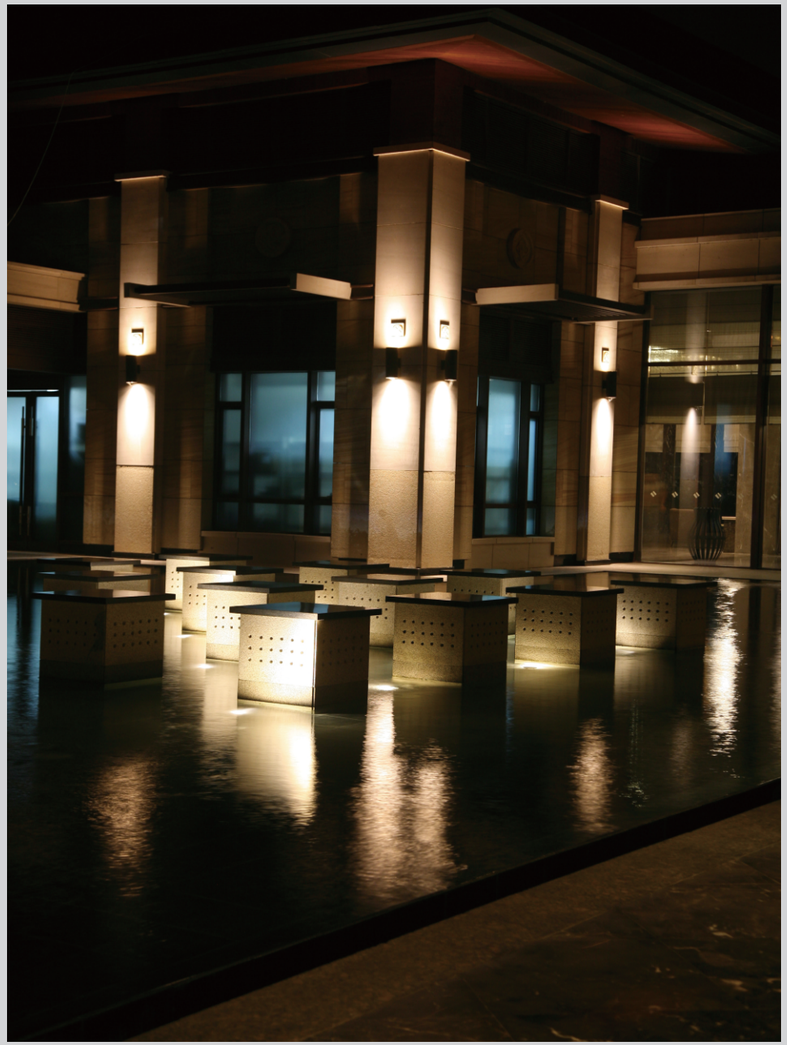
H(m)	D(m)	E(lx) 15°
1.0	0.3	18055
2.0	0.5	4514
3.0	0.8	2006

H(m)	D(m)	E(lx) 20°
1.0	0.4	9360
2.0	0.9	2340
3.0	1.3	1040

H(m)	D(m)	E(lx) 30°
1.0	0.5	6100
2.0	1.1	1525
3.0	1.6	678

H(m)	D(m)	E(lx) 40°
1.0	0.7	3705
2.0	1.5	926
3.0	2.2	412

H(m)	D(m)	E(lx) 60°
1.0	1.2	2670
2.0	2.3	668
3.0	3.5	297



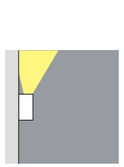


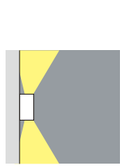
Features

- Dust and moisture proof: IP65
- Modern cylinder style with optional sizes
- Optical design for glare-proof which ensures visual comfort
- Built-in driver, easy to install
- Light output: upward, downward and both
- Integrated heatsink design, faster heat dissipation, ensures stable and long lifespan of the light source

Applications

- Landscape lighting for façade,porches, corridors or parking lots.





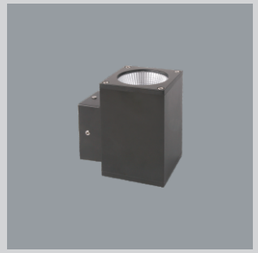




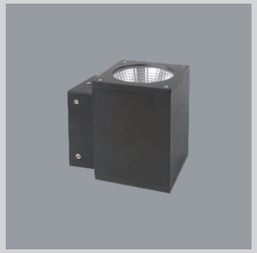




OBA-112S(C12)
LED 14W(350mA)



OBA-114S(C18)
LED 19.5W(500mA)



OBA-116S(C25)
LED 28W(700mA)



OBA-132S(C12)
LED 14W x 2 (350mA)

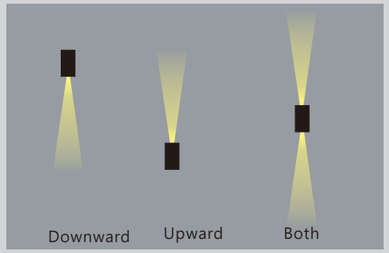


OBA-134S(C18)
LED 19.5W x 2 (500mA)



OBA-136S(C25)
LED 28W x 2 (700mA)

Applications





Cut-off Angle design

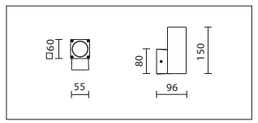
30° cut-off angle design
for anti-dazzling



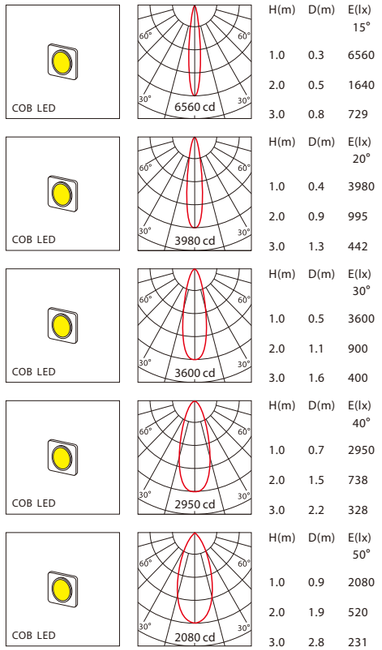
OBA-112S(C12)



LED : LED (COB)
Power : LED14W(350mA)
Input : AC 100-277V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC20W350P UNI







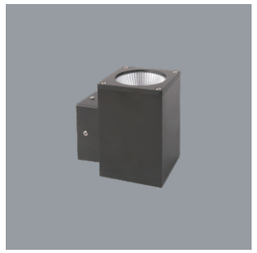
H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729

H(m)	D(m)	E(lx) 20°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442

H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400

H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328

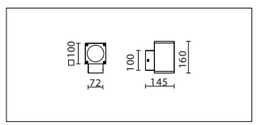
H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231



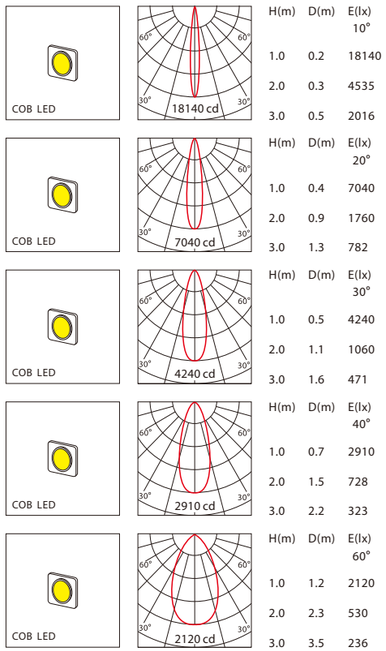
OBA-114S(C18)



LED : LED (COB)
Power : LED19.5W(500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W500HP







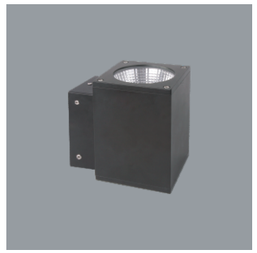
H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016

H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.9	1760
3.0	1.3	782

H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323

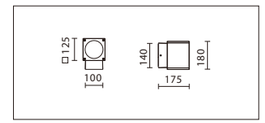
H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236



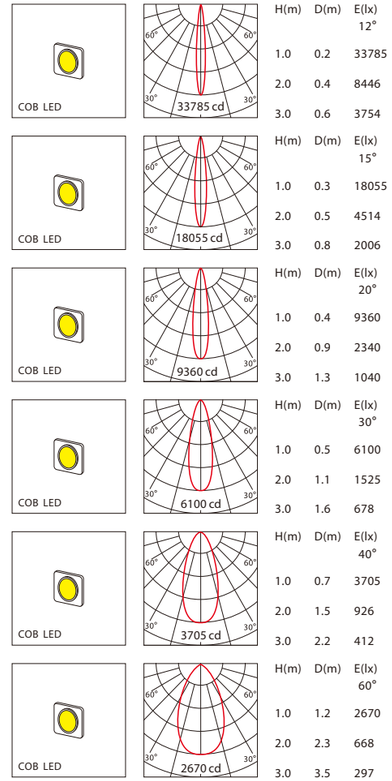
OBA-116S(C25)



LED : LED (COB)
Power : LED28W(700mA)
Input : AC 120-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCD36W700 UNI







H(m)	D(m)	E(lx) 12°
1.0	0.2	33785
2.0	0.4	8446
3.0	0.6	3754

H(m)	D(m)	E(lx) 15°
1.0	0.3	18055
2.0	0.5	4514
3.0	0.8	2006

H(m)	D(m)	E(lx) 20°
1.0	0.4	9360
2.0	0.9	2340
3.0	1.3	1040

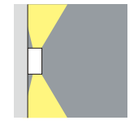
H(m)	D(m)	E(lx) 30°
1.0	0.5	6100
2.0	1.1	1525
3.0	1.6	678

H(m)	D(m)	E(lx) 40°
1.0	0.7	3705
2.0	1.5	926
3.0	2.2	412

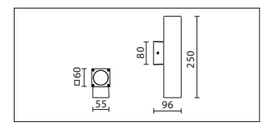
H(m)	D(m)	E(lx) 60°
1.0	1.2	2670
2.0	2.3	668
3.0	3.5	297



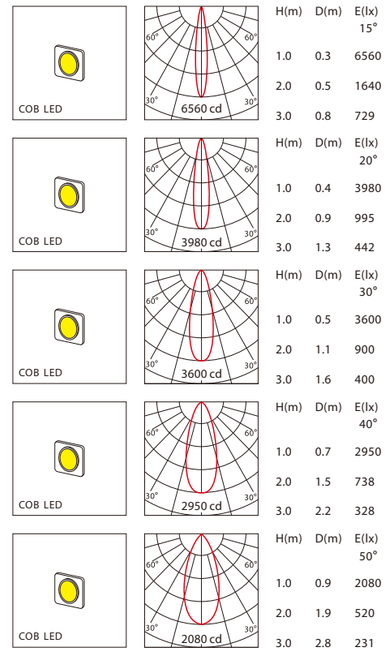
OBA-132S(C12)



LED : LED (COB)
Power : LED14W x 2(350mA)
Input : AC 120-240V
Beam Angle: 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LCD36W700 UNI







H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729

H(m)	D(m)	E(lx) 20°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442

H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400

H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328

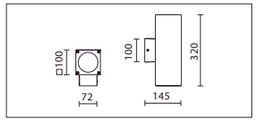
H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231



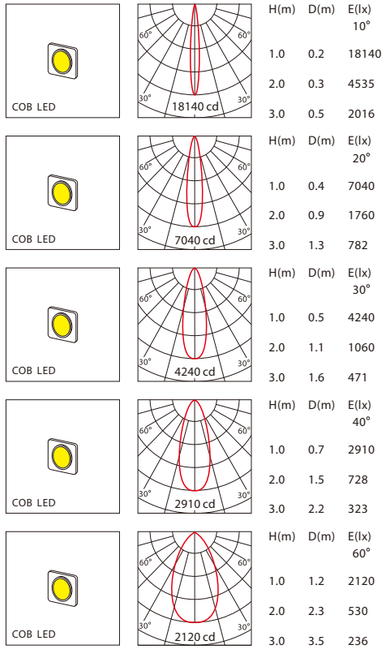
OBA-134S(C18)



LED : LED (COB)
Power : LED19.5W x2 (500mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W500HP UNI x2







H(m)	D(m)	E(lx) 10°
1.0	0.2	18140
2.0	0.3	4535
3.0	0.5	2016

H(m)	D(m)	E(lx) 20°
1.0	0.4	7040
2.0	0.9	1760
3.0	1.3	782

H(m)	D(m)	E(lx) 30°
1.0	0.5	4240
2.0	1.1	1060
3.0	1.6	471

H(m)	D(m)	E(lx) 40°
1.0	0.7	2910
2.0	1.5	728
3.0	2.2	323

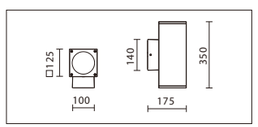
H(m)	D(m)	E(lx) 60°
1.0	1.2	2120
2.0	2.3	530
3.0	3.5	236



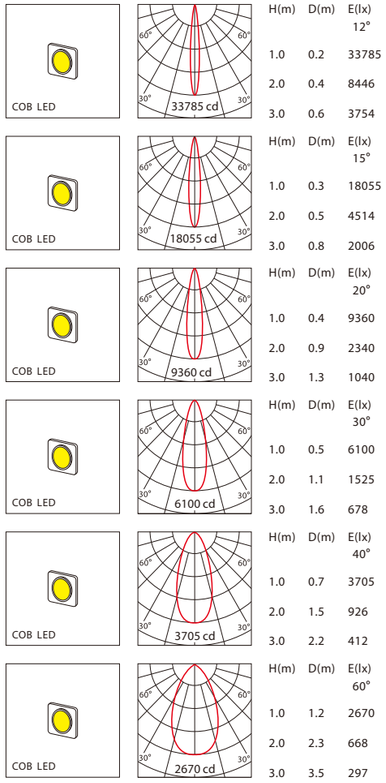
OBA-136S(C25)



LED : LED (COB)
Power : LED28W x2 (700mA)
Input : AC 120-240V
Beam Angle : 12°/15°/20°
30°/40°/60°
Driver Type : Built-in
Driver : LCD36W700 UNI x2







H(m)	D(m)	E(lx) 12°
1.0	0.2	33785
2.0	0.4	8446
3.0	0.6	3754

H(m)	D(m)	E(lx) 15°
1.0	0.3	18055
2.0	0.5	4514
3.0	0.8	2006

H(m)	D(m)	E(lx) 20°
1.0	0.4	9360
2.0	0.9	2340
3.0	1.3	1040

H(m)	D(m)	E(lx) 30°
1.0	0.5	6100
2.0	1.1	1525
3.0	1.6	678

H(m)	D(m)	E(lx) 40°
1.0	0.7	3705
2.0	1.5	926
3.0	2.2	412

H(m)	D(m)	E(lx) 60°
1.0	1.2	2670
2.0	2.3	668
3.0	3.5	297





Features

- Dust and moisture proof: IP65
- Optional faceplates to choose
- Mellow and even light output filtered by a special optical cover
- Work with a pre built-in cassette in concrete wall

Applications

- Guide light for outdoor building outer walls, corridors or stairs.



IP65





KR-104A
LED3W(DC-24V)



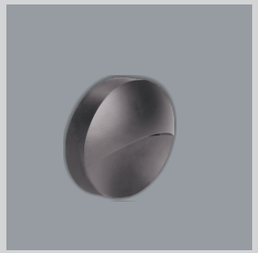
KR-104B
LED3W(DC-24V)



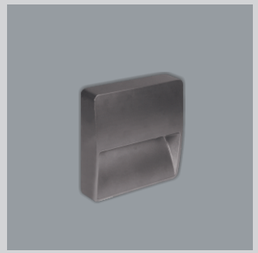
KR-104C
LED3W(DC-24V)



KR-104D
LED3W(DC-24V)



KR-504R
LED2.4Wx4(700mA)

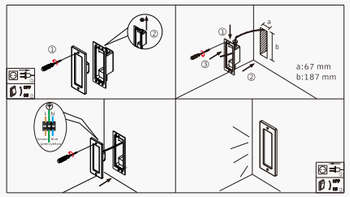


KR-504S
LED2.4Wx4(700mA)

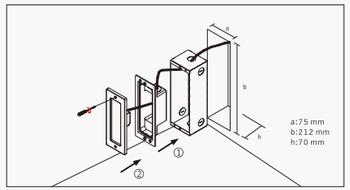


OQO-506
LED10W/16pcs(350mA)

Installation Advice for KR-104D

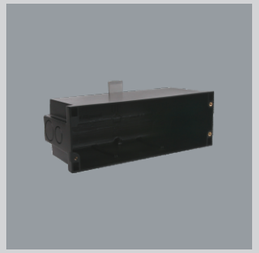


In gypsum wall

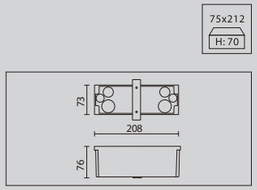


In concrete wall

Accessories

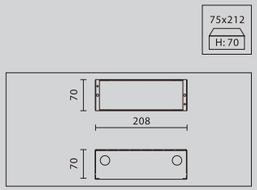


AC-104
Material : Plastic





AC-104S
Material : Stainless Steel

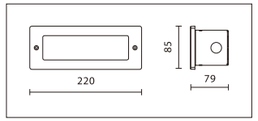


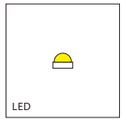


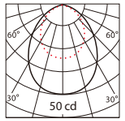


LED : LED
Power : LED 3W (DC 24V)
Input : AC 100-240V
Beam Angle : 85°
Driver Type : Built-in
Driver : LSV3W24-Z UNI

KR-104A







C 90-270
C 0-180

H(m)	D(m)	E(lx) 85°
1.0	1.8	50
2.0	3.7	13
3.0	5.5	6

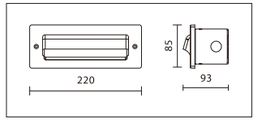


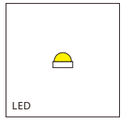


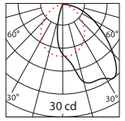


LED : LED
Power : LED 3W (DC 24V)
Input : AC 100-240V
Beam Angle : 60°
Driver Type : Built-in
Driver : LSV3W24-Z UNI

KR-104B







C 90-270
C 0-180

H(m)	D(m)	E(lx) 60°
1.0	1.2	30
2.0	2.3	8
3.0	3.5	3

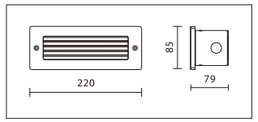


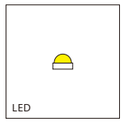


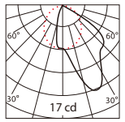


LED : LED
Power : LED 3W (DC 24V)
Input : AC 100-240V
Beam Angle : 85°
Driver Type : Built-in
Driver : LSV3W24-Z UNI

KR-104C







C 90-270
C 0-180

H(m)	D(m)	E(lx) 85°
1.0	1.8	17
2.0	3.7	4
3.0	5.5	2

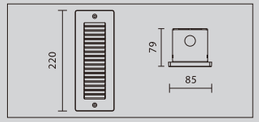




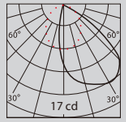


LED : LED
Power : LED 3W (DC 24V)
Input : AC 100-240V
Beam Angle : 60°
Driver Type : Built-in
Driver : LSV3W24-Z UNI

KR-104D



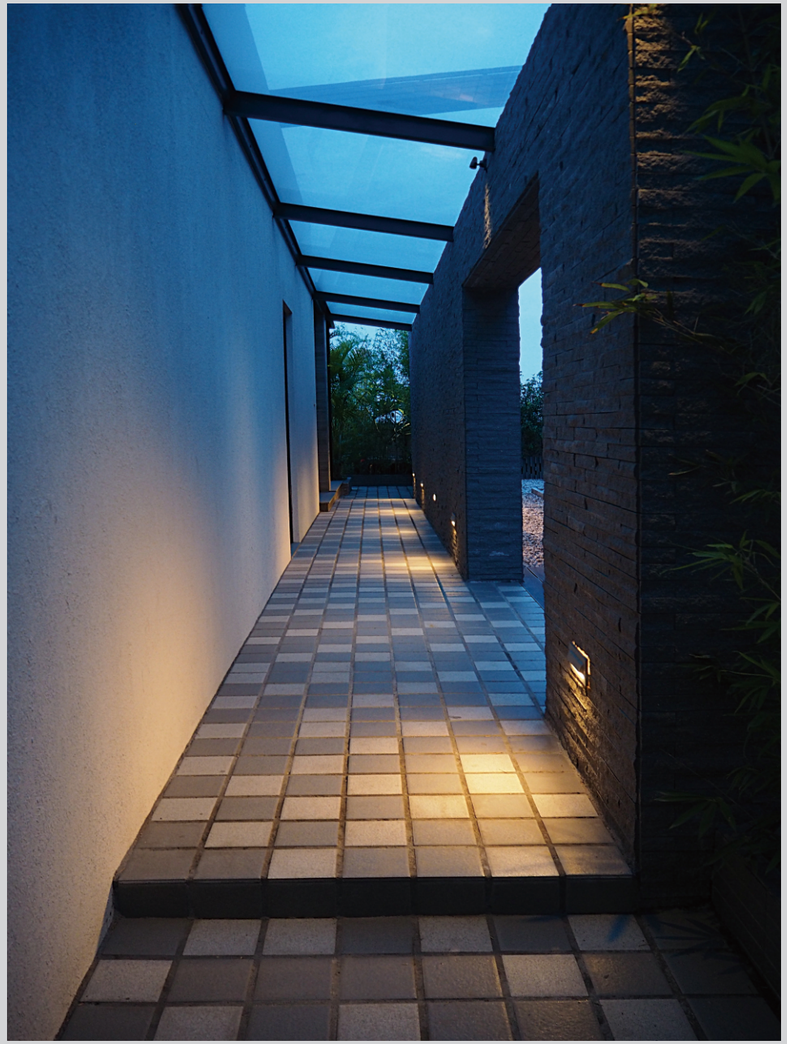


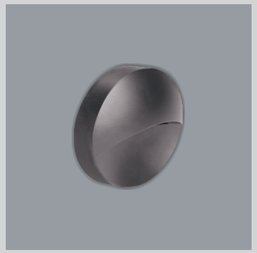


C 90-270
C 0-180

H(m)	D(m)	E(lx) 60°
1.0	1.2	17
2.0	2.3	4
3.0	3.5	2



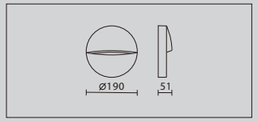




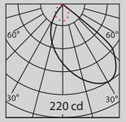


LED : LED
Power : LED 2.4Wx4 (700mA)
Input : AC 100-240V
Beam Angle : 100°
Driver Type : Built-in
Driver : LSC9W700P

KR-504R



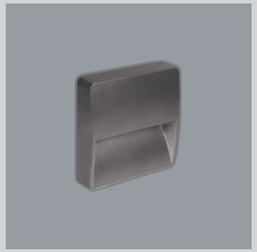




C 90-270
C 0-180

H(m)	D(m)	E(lx) 100°
1.0	2.4	220
2.0	4.8	55
3.0	7.2	24

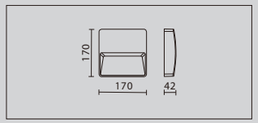
IP65

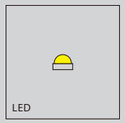


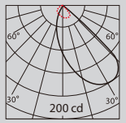


LED : LED
Power : LED 2.4Wx4 (700mA)
Input : AC 100-240V
Beam Angle : 95°
Driver Type : Built-in
Driver : LSC9W700P

KR-504S



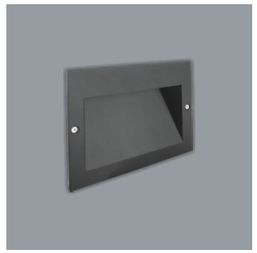




C 90-270
C 0-180

H(m)	D(m)	E(lx) 95°
1.0	2.2	200
2.0	4.4	50
3.0	6.5	22

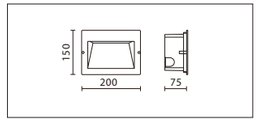
IP65

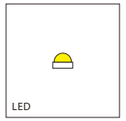


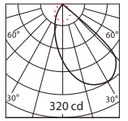


LED : LED
Power : LED 10W/16pcs (350mA)
Input : AC 220-240V
Beam Angle : 100°
Driver Type : Built-in
Driver : LMC10W350-Z

OQO-506







C 90-270
C 0-180

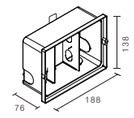
H(m)	D(m)	E(lx) 100°
1.0	2.5	320
2.0	5.0	80
3.0	7.5	36

IP65



Burial box

AC-506





Stainless steel pane

AC-506A



Features

- Dust and moisture proof: IP65
- Various functional types
- Mellow and even light output filtered by a special optical cover
- Work with a pre built-in cassette in concrete wall

Applications

- Guide light for outdoor building outer walls, corridors or stairs.



IP65





KR-001A
LED 3Wx1(700mA)



KR-001B
LED 3Wx1(700mA)



KR-101A
LED 3Wx1(700mA)

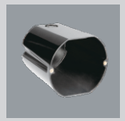


KR-101B
LED 3Wx1(700mA)



KR-101C
LED 3Wx1(700mA)

Pre Built-in Box for concrete wall



AC-001A

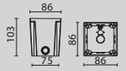
Material : Plastic
for
KR-001A
KR-001B





AC-101B

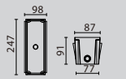
Material : Plastic
for
KR-101A
KR-101B



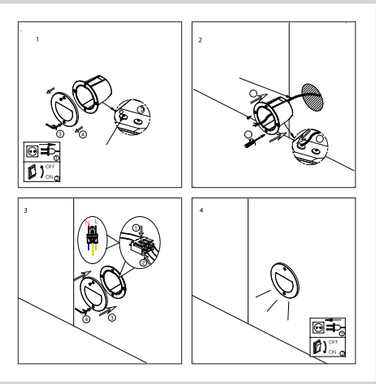


AC-101C

Material : Plastic
for
KR-101C



Installation Advice for KR-001A

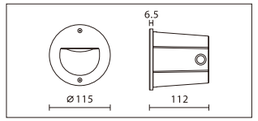


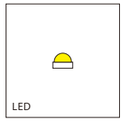


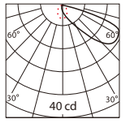


LED : LED
Power : LED 3Wx1 (700mA)
Input : AC 100-277V
Beam Angle : 85°
Driver Type : Built-in
Driver : LSC4W700P

KR-001A







H(m)	D(m)	E(lx) 85°
1.0	1.8	40
2.0	3.7	11
3.0	5.5	4

C 90-270
C 0-180

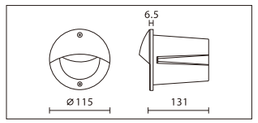
IP65

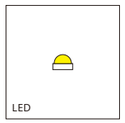


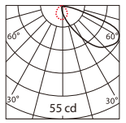


LED : LED
Power : LED 3Wx1 (700mA)
Input : AC 100-277V
Beam Angle : 85°
Driver Type : Built-in
Driver : LSC4W700P

KR-001B





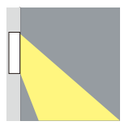


H(m)	D(m)	E(lx) 85°
1.0	1.8	55
2.0	3.7	14
3.0	5.5	6

C 90-270
C 0-180

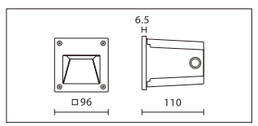
IP65

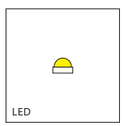


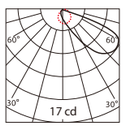


LED : LED
Power : LED 3Wx1 (700mA)
Input : AC 100-277V
Beam Angle : 85°
Driver Type : Built-in
Driver : LSC4W700P

KR-101A







H(m)	D(m)	E(lx) 85°
1.0	1.8	17
2.0	3.7	4
3.0	5.5	2

C 90-270
C 0-180

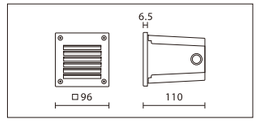
IP65

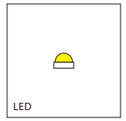


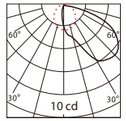


LED : LED
Power : LED 3Wx1 (700mA)
Input : AC 100-277V
Beam Angle : 95°
Driver Type : Built-in
Driver : LSC4W700P

KR-101B







H(m)	D(m)	E(lx) 95°
1.0	2.1	10
2.0	4.3	4
3.0	6.8	2

C 90-270
C 0-180

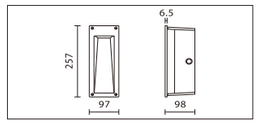
IP65

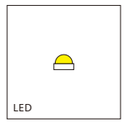


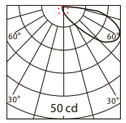


LED : LED
Power : LED 3Wx1 (700mA)
Input : AC 100-277V
Beam Angle : 100°
Driver Type : Built-in
Driver : LSC4W700P

KR-101C







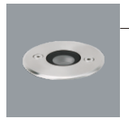
H(m)	D(m)	E(lx) 100°
1.0	2.4	50
2.0	4.8	13
3.0	7.2	6

C 90-270
C 0-180

IP65

In-ground Lights



	Model	Page
	ODL-003A Series	P. 349
	IP67	
	ODL-003P Series	P. 352
	IP67	
	OGA-202RA Series	P. 353
	IP67	
	OGA-202SA Series	P. 361
	IP67	

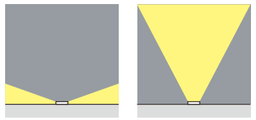


Features

- Optional light output: direct or side glowing
- Dust and moisture proof: IP67; against external mechanical impacts:IK10
- Special heatsink design for faster heat dissipation, ensures stable and long lifespan of the light source

Applications

- Decorative in-ground light for aisles, corridors, courtyards, plaza and waiting zone of public transportation stations.



IP67





ODL-003A
LED 1.2W(350mA)



ODL-003B
LED 1.2W(350mA)



ODL-003C
LED 1.2W(350mA)



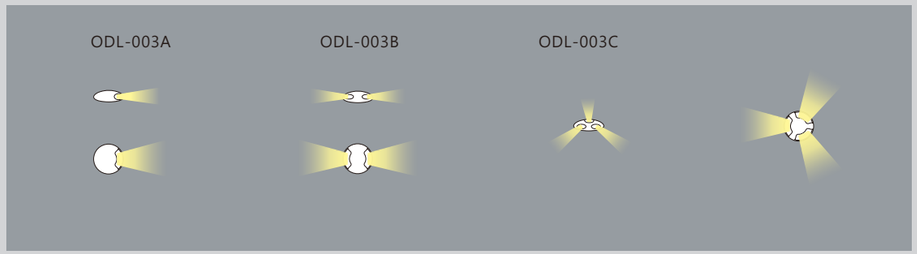
ODL-003P
LED 1.2W(350mA)

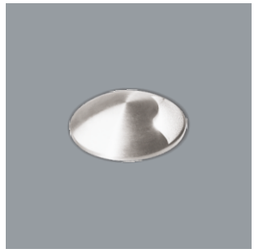


Warning

Able to be stepped-on,
drive through is not allowed

Light Pattern

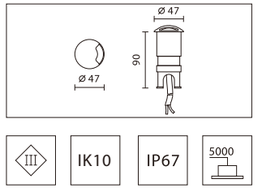


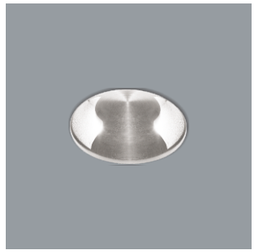




LED : LED
Power : LED 1.2Wx1(350mA)
Input : AC 100-240V
Driver Type : Built-in
Driver : LSC4W350LP

ODL-003A

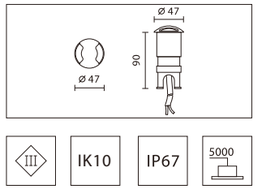


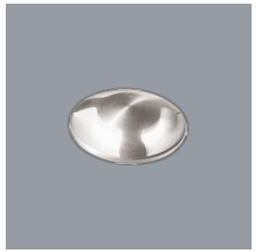




LED : LED
Power : LED 1.2Wx1(350mA)
Input : AC 100-240V
Driver Type : Built-in
Driver : LSC4W350LP

ODL-003B

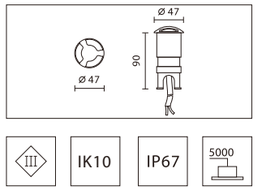






LED : LED
Power : LED 1.2Wx1(350mA)
Input : AC 100-240V
Driver Type : Built-in
Driver : LSC4W350LP

ODL-003C

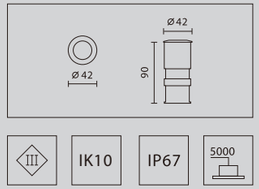


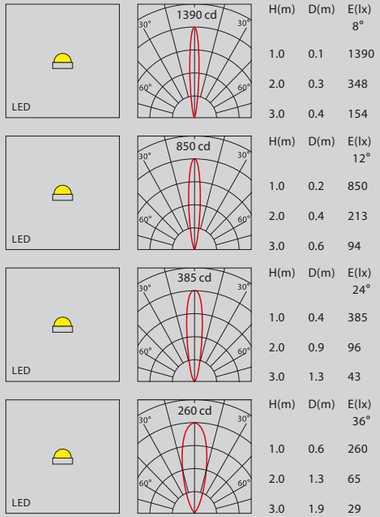




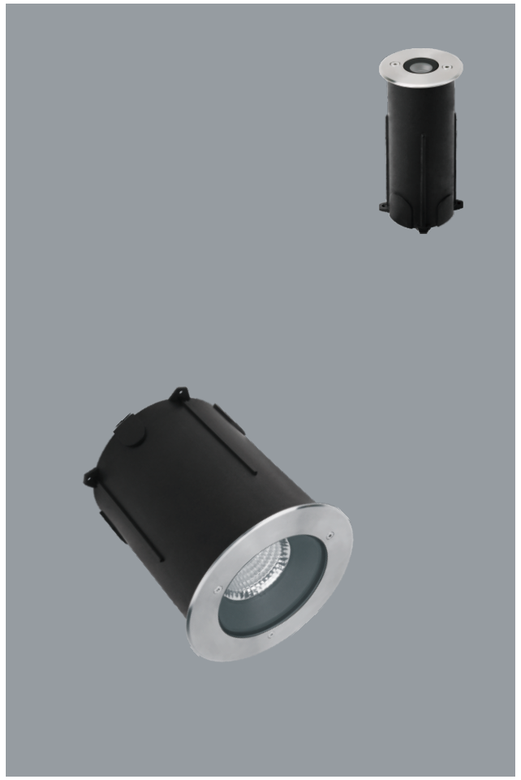
LED : LED
Power : LED 1.2Wx1(350mA)
Input : AC 100-240V
Beam Angle : 8°/12°/24°/36°
Driver Type : Built-in
Driver : LSC4W350LP

ODL-003P







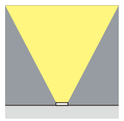


Features

- Durable front cover made of die casting stainless steel
- Dust and moisture proof: IP67; against external mechanical impacts:IK10
- Equipped with a new patented anti-glare louver, cut-off angle > 30°
- Mellow and even light output filtered by a special optical cover
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source

Applications

- Decorative in-ground light for aisles, corridors, courtyards, plaza and waiting zone of public transportation stations.



IP67





OGA-202RA-OS-3
LED 3Wx1(700mA)



OGA-203RA(O5)
LED 6Wx1(150mA)



OGA-204RA(O6)
LED 7.5Wx1(200mA)



OGA-206RA(O12)
LED 13Wx1(350mA)



OGA-208RA(C18)
LED 19.5Wx1(500mA)



OGA-213RA(O5)
LED 6Wx1(150mA)



OGA-214RA(O6)
LED 7.5Wx1(200mA)



OGA-216RA(O12)
LED 13Wx1(350mA)

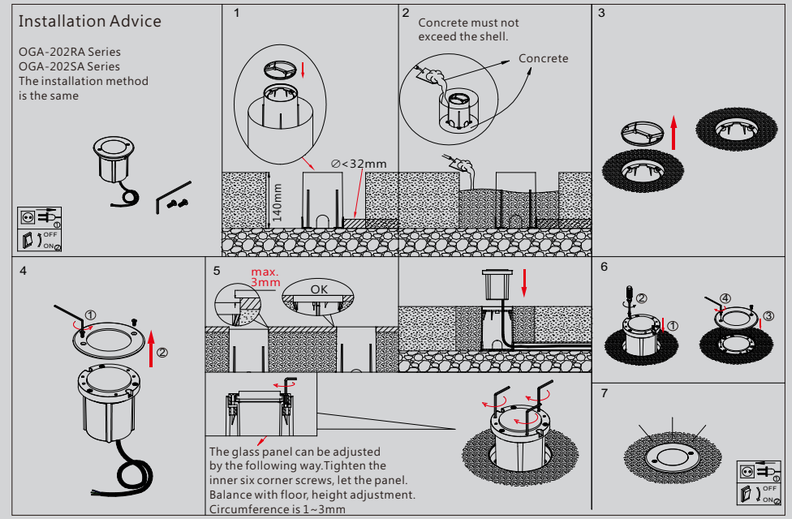


OGA-218RA(C18)
LED 19.5Wx1(500mA)



Warning

Able to be stepped-on,
drive through is not allowed

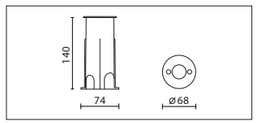




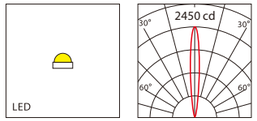
OGA-202RA-OS-3



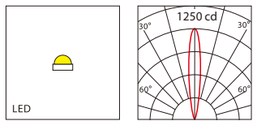
LED : LED
Power : LED 3Wx1(700mA)
Input : AC 100-277V
Beam Angle : 8°/12°/24°/36°
Driver Type : Built-in
Driver : LSC4W700P



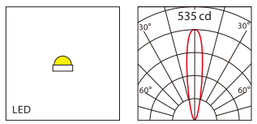
IK10 IP67



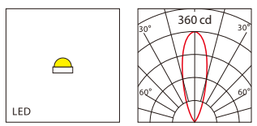
H(m)	D(m)	E(lx) 8°
1.0	0.1	2450
2.0	0.3	613
3.0	0.5	272



H(m)	D(m)	E(lx) 12°
1.0	0.2	1250
2.0	0.4	312
3.0	0.6	139



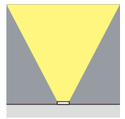
H(m)	D(m)	E(lx) 24°
1.0	0.4	535
2.0	0.9	134
3.0	1.3	59



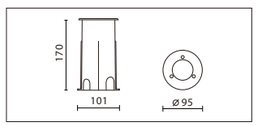
H(m)	D(m)	E(lx) 36°
1.0	0.6	360
2.0	1.3	90
3.0	1.9	40



OGA-203RA(O5)

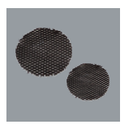


LED : LED (COB)
Power : LED 6Wx1(150mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°/40°
Driver Type : Built-in
Driver : EBP006C0150S1

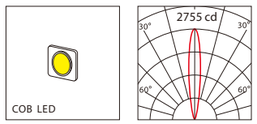


IK10 IP67

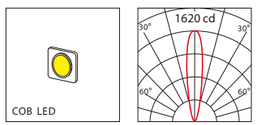
Accessories



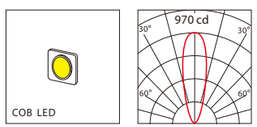
Honeycomb
ACO-203H



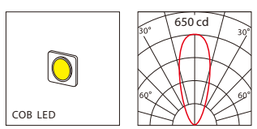
H(m)	D(m)	E(lx) 12°
1.0	0.2	2755
2.0	0.4	689
3.0	0.6	306



H(m)	D(m)	E(lx) 20°
1.0	0.4	1620
2.0	0.7	405
3.0	1.1	180



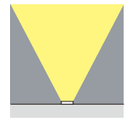
H(m)	D(m)	E(lx) 30°
1.0	0.5	970
2.0	1.1	243
3.0	1.6	108



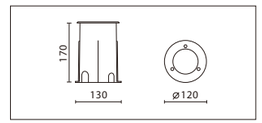
H(m)	D(m)	E(lx) 40°
1.0	0.7	650
2.0	1.5	163
3.0	2.2	72



OGA-204RA(O6)



LED : LED (COB)
Power : LED 7.5Wx1(200mA)
Input : AC 220-240V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSTC10W200P

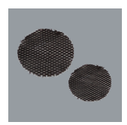


IK10 IP67

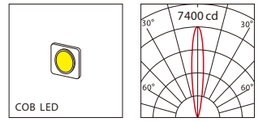
Accessories



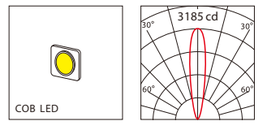
Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Applicable for
12°~30° reflector



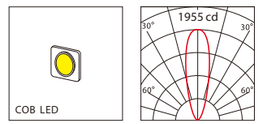
Honeycomb
AC-8700C



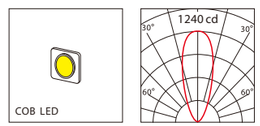
H(m)	D(m)	E(lx) 15°
1.0	0.3	7400
2.0	0.5	1850
3.0	0.8	822



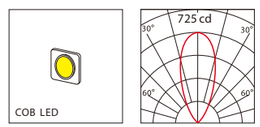
H(m)	D(m)	E(lx) 20°
1.0	0.4	3185
2.0	0.7	796
3.0	1.1	354



H(m)	D(m)	E(lx) 30°
1.0	0.5	1955
2.0	1.1	489
3.0	1.6	217



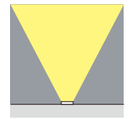
H(m)	D(m)	E(lx) 40°
1.0	0.7	1240
2.0	1.5	310
3.0	2.2	138



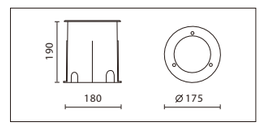
H(m)	D(m)	E(lx) 50°
1.0	0.9	725
2.0	1.9	181
3.0	2.8	81



OGA-206RA(O12)



LED : LED (COB)
Power : LED 13Wx1(350mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W350P

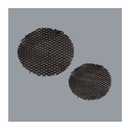


IK10 IP67

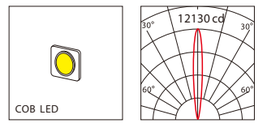
Accessories



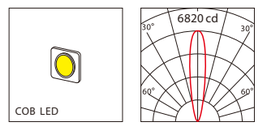
Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO
Applicable for
12°~30° reflector



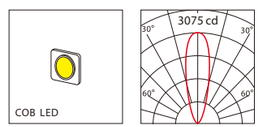
Honeycomb
ACO-206H



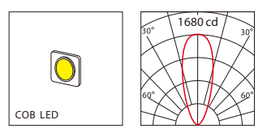
H(m)	D(m)	E(lx) 10°
1.0	0.2	12130
2.0	0.3	3033
3.0	0.5	1348



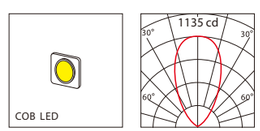
H(m)	D(m)	E(lx) 20°
1.0	0.4	6820
2.0	0.7	1705
3.0	1.1	758



H(m)	D(m)	E(lx) 30°
1.0	0.5	3075
2.0	1.1	769
3.0	1.6	342



H(m)	D(m)	E(lx) 40°
1.0	0.7	1680
2.0	1.5	420
3.0	2.2	187



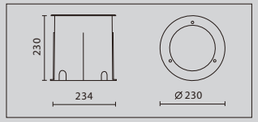
H(m)	D(m)	E(lx) 60°
1.0	1.2	1135
2.0	2.3	284
3.0	3.5	126



OGA-208RA(C18)



LED : LED (COB)
Power : LED 19.5Wx1(500mA)
Input : AC 100-277V
Beam Angle : 8°/12°/20°
30°/45°/60°
Driver Type : Built-in
Driver : LSC20W500HP

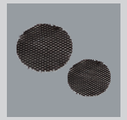


IK10 IP67

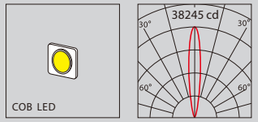
Accessories



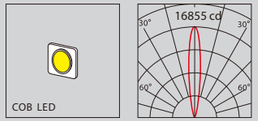
Anti-glare louver
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO
Applicable for 12°~30° reflector



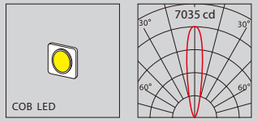
Honeycomb
ACO-208H



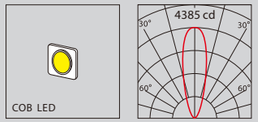
H(m)	D(m)	E(lx) 8°
1.0	0.1	38245
2.0	0.3	599
3.0	0.5	266



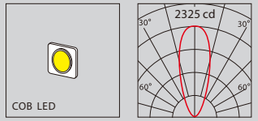
H(m)	D(m)	E(lx) 12°
1.0	0.2	16855
2.0	0.4	4214
3.0	0.6	1873



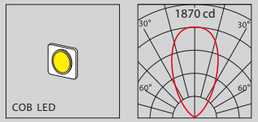
H(m)	D(m)	E(lx) 20°
1.0	0.4	7035
2.0	0.7	1759
3.0	1.1	782



H(m)	D(m)	E(lx) 30°
1.0	0.5	4385
2.0	1.1	1096
3.0	1.6	487



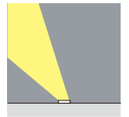
H(m)	D(m)	E(lx) 45°
1.0	0.8	2325
2.0	1.7	581
3.0	2.5	285



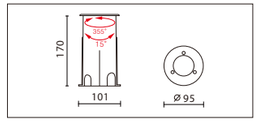
H(m)	D(m)	E(lx) 60°
1.0	1.2	1870
2.0	2.3	468
3.0	3.5	208



OGA-213RA(O5)

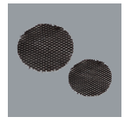


LED : LED (COB)
Power : LED 6Wx1(150mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°/40°
Driver Type : Built-in
Driver : EBP006C0150S1

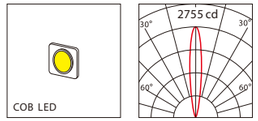


IK10 IP67

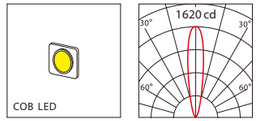
Accessories



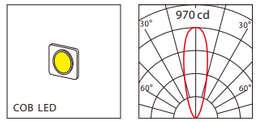
Honeycomb
ACO-203H



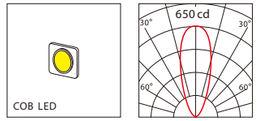
H(m)	D(m)	E(lx) 12°
1.0	0.2	2755
2.0	0.4	689
3.0	0.6	306



H(m)	D(m)	E(lx) 20°
1.0	0.4	1620
2.0	0.7	405
3.0	1.1	180



H(m)	D(m)	E(lx) 30°
1.0	0.5	970
2.0	1.1	243
3.0	1.6	108



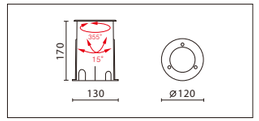
H(m)	D(m)	E(lx) 40°
1.0	0.7	650
2.0	1.5	163
3.0	2.2	72



OGA-214RA(O6)



LED : LED (COB)
Power : LED 7.5Wx1(200mA)
Input : AC 220-240V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSTC10W200P

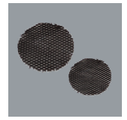


IK10 IP67

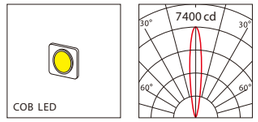
Accessories



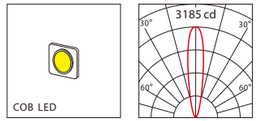
Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Applicable for 12°~30° reflector



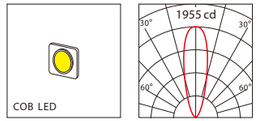
Honeycomb
AC-8700C



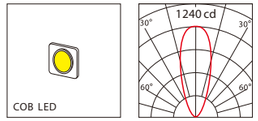
H(m)	D(m)	E(lx) 15°
1.0	0.3	7400
2.0	0.5	1850
3.0	0.8	822



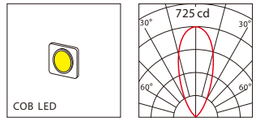
H(m)	D(m)	E(lx) 20°
1.0	0.4	3185
2.0	0.7	796
3.0	1.1	354



H(m)	D(m)	E(lx) 30°
1.0	0.5	1955
2.0	1.1	489
3.0	1.6	217



H(m)	D(m)	E(lx) 40°
1.0	0.7	1240
2.0	1.5	310
3.0	2.2	138



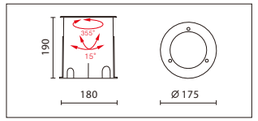
H(m)	D(m)	E(lx) 50°
1.0	0.9	725
2.0	1.9	181
3.0	2.8	81



OGA-216RA(O12)



LED : LED (COB)
Power : LED 13Wx1(350mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W350P

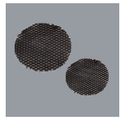


IK10 IP67

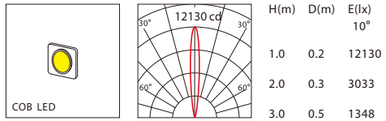
Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO
Applicable for 12°~30° reflector



Honeycomb
ACO-206H



H(m)	D(m)	E(lx) 10°
1.0	0.2	12130
2.0	0.3	3033
3.0	0.5	1348

H(m)	D(m)	E(lx) 20°
1.0	0.4	6820
2.0	0.7	1705
3.0	1.1	758

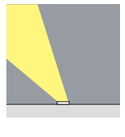
H(m)	D(m)	E(lx) 30°
1.0	0.5	3075
2.0	1.1	769
3.0	1.6	342

H(m)	D(m)	E(lx) 40°
1.0	0.7	1680
2.0	1.5	420
3.0	2.2	187

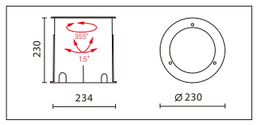
H(m)	D(m)	E(lx) 60°
1.0	1.2	1135
2.0	2.3	284
3.0	3.5	126



OGA-218RA(C18)



LED : LED (COB)
Power : LED 19.5Wx1(500mA)
Input : AC 100-277V
Beam Angle : 8°/12°/20°
30°/45°/60°
Driver Type : Built-in
Driver : LSC20W500HP

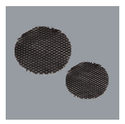


IK10 IP67

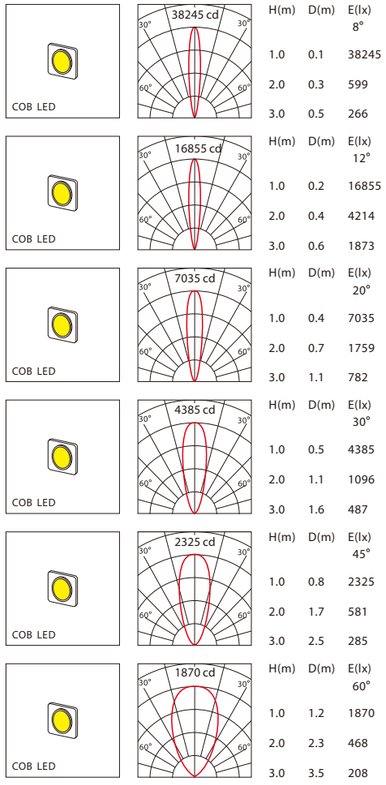
Accessories



Anti-glare louver
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO
Applicable for 12°~30° reflector



Honeycomb
ACO-208H



H(m)	D(m)	E(lx) 8°
1.0	0.1	38245
2.0	0.3	599
3.0	0.5	266

H(m)	D(m)	E(lx) 12°
1.0	0.2	16855
2.0	0.4	4214
3.0	0.6	1873

H(m)	D(m)	E(lx) 20°
1.0	0.4	7035
2.0	0.7	1759
3.0	1.1	782

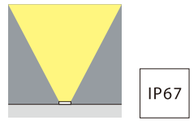
H(m)	D(m)	E(lx) 30°
1.0	0.5	4385
2.0	1.1	1096
3.0	1.6	487

H(m)	D(m)	E(lx) 45°
1.0	0.8	2325
2.0	1.7	581
3.0	2.5	285

H(m)	D(m)	E(lx) 60°
1.0	1.2	1870
2.0	2.3	468
3.0	3.5	208







IP67

Features

- Durable front cover made of die casting stainless steel
- Dust and moisture proof: IP67; against external mechanical impacts:IK10
- Equipped with a new patented anti-glare louver, cut-off angle > 30°
- Mellow and even light output filtered by a special optical cover
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source

Applications

- Decorative in-ground light for aisles, corridors, courtyards, plaza and waiting zone of public transportation stations.





OGA-202SA-OS-3
LED 3Wx1(700mA)



OGA-203SA(O5)
LED 6Wx1(150mA)



OGA-204SA(O6)
LED 7.5Wx1(200mA)



OGA-206SA(O12)
LED 13Wx1(350mA)



OGA-208SA(C18)
LED 19.5Wx1(500mA)



OGA-213SA(O5)
LED 6Wx1(150mA)



OGA-214SA(O6)
LED 7.5Wx1(200mA)



OGA-216SA(O12)
LED 13Wx1(350mA)

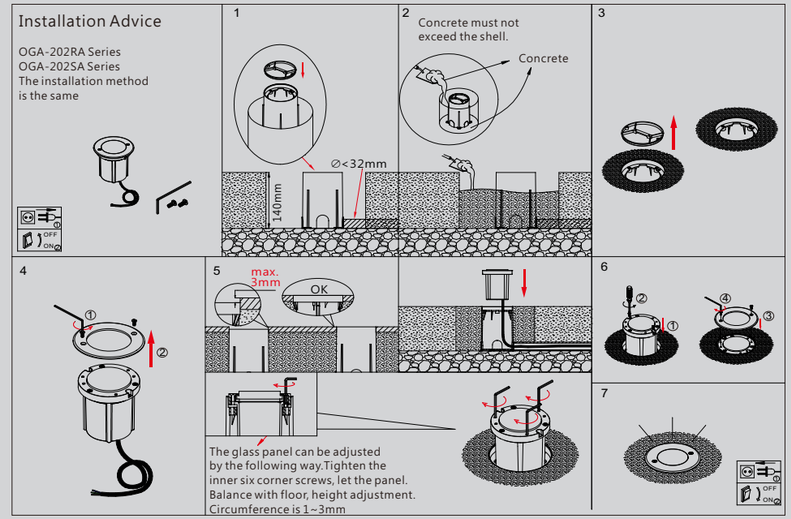


OGA-218SA(C18)
LED 19.5Wx1(500mA)



Warning

Able to be stepped-on,
drive through is not allowed

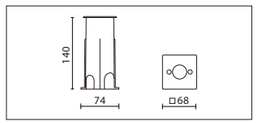




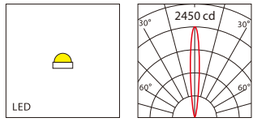
OGA-202SA-OS-3



LED : LED
Power : LED 3Wx1(700mA)
Input : AC 100-2770V
Beam Angle : 8°/12°/24°/36°
Driver Type : Built-in
Driver : LSC4W700P



IK10 IP67



H(m)	D(m)	E(lx) 8°
1.0	0.1	2450
2.0	0.3	613
3.0	0.5	272

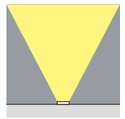
H(m)	D(m)	E(lx) 12°
1.0	0.2	1250
2.0	0.4	312
3.0	0.6	139

H(m)	D(m)	E(lx) 24°
1.0	0.4	535
2.0	0.9	134
3.0	1.3	59

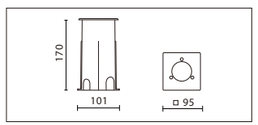
H(m)	D(m)	E(lx) 36°
1.0	0.6	360
2.0	1.3	90
3.0	1.9	40



OGA-203SA(O5)

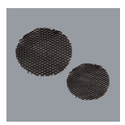


LED : LED (COB)
Power : LED 6Wx1(150mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°/40°
Driver Type : Built-in
Driver : EBP006C0150S1

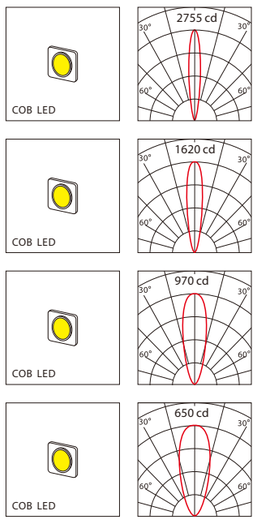


IK10 IP67

Accessories



Honeycomb
ACO-203H



H(m)	D(m)	E(lx) 12°
1.0	0.2	2755
2.0	0.4	689
3.0	0.6	306

H(m)	D(m)	E(lx) 20°
1.0	0.4	1620
2.0	0.7	405
3.0	1.1	180

H(m)	D(m)	E(lx) 30°
1.0	0.5	970
2.0	1.1	243
3.0	1.6	108

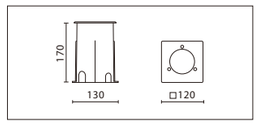
H(m)	D(m)	E(lx) 40°
1.0	0.7	650
2.0	1.5	163
3.0	2.2	72



OGA-204SA(O6)



LED : LED (COB)
Power : LED 7.5Wx1(200mA)
Input : AC 220-240V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSTC10W200P

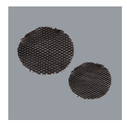


IK10 IP67

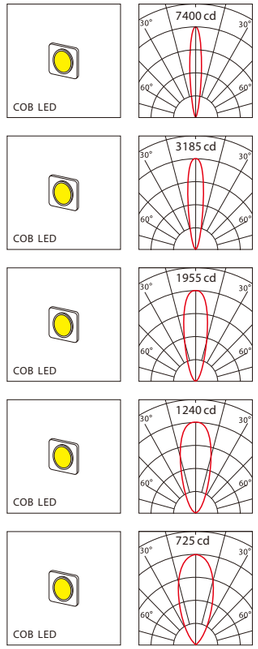
Accessories



Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Applicable for
12°~30° reflector



Honeycomb
AC-8700C



H(m)	D(m)	E(lx) 15°
1.0	0.3	7400
2.0	0.5	1850
3.0	0.8	822

H(m)	D(m)	E(lx) 20°
1.0	0.4	3185
2.0	0.7	796
3.0	1.1	354

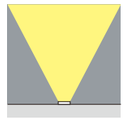
H(m)	D(m)	E(lx) 30°
1.0	0.5	1955
2.0	1.1	489
3.0	1.6	217

H(m)	D(m)	E(lx) 40°
1.0	0.7	1240
2.0	1.5	310
3.0	2.2	138

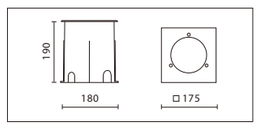
H(m)	D(m)	E(lx) 50°
1.0	0.9	725
2.0	1.9	181
3.0	2.8	81



OGA-206SA(O12)



LED : LED (COB)
Power : LED 13Wx1(350mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W350P

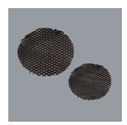


IK10 IP67

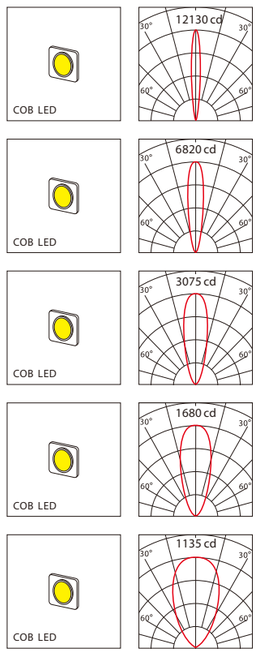
Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO
Applicable for
12°~30° reflector



Honeycomb
ACO-206H



H(m)	D(m)	E(lx) 10°
1.0	0.2	12130
2.0	0.3	3033
3.0	0.5	1348

H(m)	D(m)	E(lx) 20°
1.0	0.4	6820
2.0	0.7	1705
3.0	1.1	758

H(m)	D(m)	E(lx) 30°
1.0	0.5	3075
2.0	1.1	769
3.0	1.6	342

H(m)	D(m)	E(lx) 40°
1.0	0.7	1680
2.0	1.5	420
3.0	2.2	187

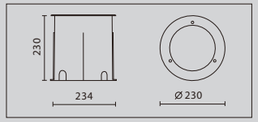
H(m)	D(m)	E(lx) 60°
1.0	1.2	1135
2.0	2.3	284
3.0	3.5	126



OGA-208SA(C18)



LED : LED (COB)
Power : LED 19.5Wx1(500mA)
Input : AC 100-277V
Beam Angle : 8°/12°/20°
30°/45°/60°
Driver Type : Built-in
Driver : LSC20W500HP

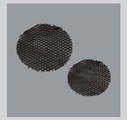


IK10 IP67

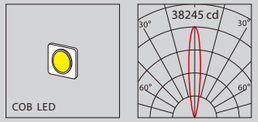
Accessories



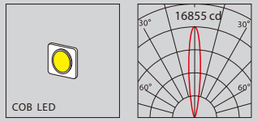
Anti-glare louver
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO
Applicable for 12°~30° reflector



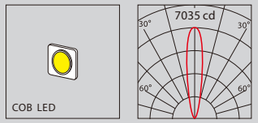
Honeycomb
ACO-208H



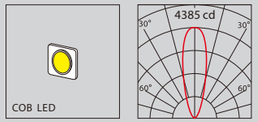
H(m)	D(m)	E(lx) 8°
1.0	0.1	38245
2.0	0.3	599
3.0	0.5	266



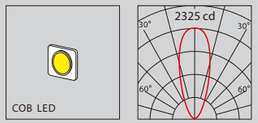
H(m)	D(m)	E(lx) 12°
1.0	0.2	16855
2.0	0.4	4214
3.0	0.6	1873



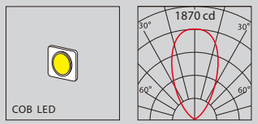
H(m)	D(m)	E(lx) 20°
1.0	0.4	7035
2.0	0.7	1759
3.0	1.1	782



H(m)	D(m)	E(lx) 30°
1.0	0.5	4385
2.0	1.1	1096
3.0	1.6	487



H(m)	D(m)	E(lx) 45°
1.0	0.8	2325
2.0	1.7	581
3.0	2.5	285



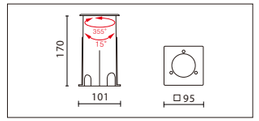
H(m)	D(m)	E(lx) 60°
1.0	1.2	1870
2.0	2.3	468
3.0	3.5	208



OGA-213SA(O5)

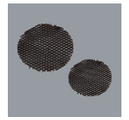


LED : LED (COB)
Power : LED 6Wx1(150mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°/40°
Driver Type : Built-in
Driver : EBP006C0150S1

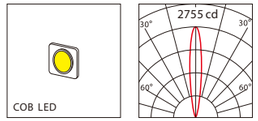


IK10 IP67

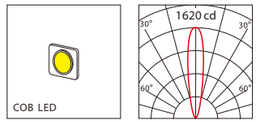
Accessories



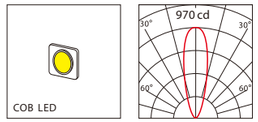
Honeycomb
ACO-203H



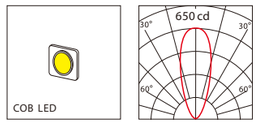
H(m)	D(m)	E(lx) 12°
1.0	0.2	2755
2.0	0.4	689
3.0	0.6	306



H(m)	D(m)	E(lx) 20°
1.0	0.4	1620
2.0	0.7	405
3.0	1.1	180



H(m)	D(m)	E(lx) 30°
1.0	0.5	970
2.0	1.1	243
3.0	1.6	108



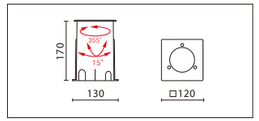
H(m)	D(m)	E(lx) 40°
1.0	0.7	650
2.0	1.5	163
3.0	2.2	72



OGA-214SA(O6)



LED : LED (COB)
Power : LED 7.5Wx1(200mA)
Input : AC 220-240V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSTC10W200P

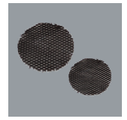


IK10 IP67

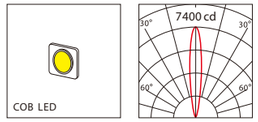
Accessories



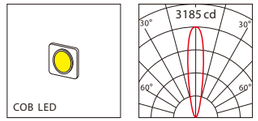
Anti-glare louver
AC-C50C-AE
AC-C50C-BO
AC-C50C-CO
Applicable for 12°~30° reflector



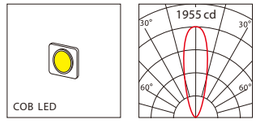
Honeycomb
AC-8700C



H(m)	D(m)	E(lx) 15°
1.0	0.3	7400
2.0	0.5	1850
3.0	0.8	822



H(m)	D(m)	E(lx) 20°
1.0	0.4	3185
2.0	0.7	796
3.0	1.1	354



H(m)	D(m)	E(lx) 30°
1.0	0.5	1955
2.0	1.1	489
3.0	1.6	217

H(m)	D(m)	E(lx) 40°
1.0	0.7	1240
2.0	1.5	310
3.0	2.2	138

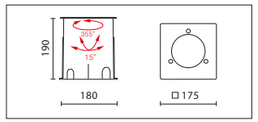
H(m)	D(m)	E(lx) 50°
1.0	0.9	725
2.0	1.9	181
3.0	2.8	81



OGA-216SA(O12)



LED : LED (COB)
Power : LED 13Wx1(350mA)
Input : AC 100-277V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LSC20W350P



IK10 IP67

COB LED	12130 cd	H(m)	D(m)	E(lx) 10°
		1.0	0.2	12130
		2.0	0.3	3033
		3.0	0.5	1348

COB LED	6820 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	6820
		2.0	0.7	1705
		3.0	1.1	758

COB LED	3075 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	3075
		2.0	1.1	769
		3.0	1.6	342

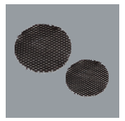
COB LED	1680 cd	H(m)	D(m)	E(lx) 40°
		1.0	0.7	1680
		2.0	1.5	420
		3.0	2.2	187

COB LED	1135 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	1135
		2.0	2.3	284
		3.0	3.5	126

Accessories



Anti-glare louver
AC-C82C-AO
AC-C82C-BO
AC-C82C-CO
Applicable for
12°~30° reflector



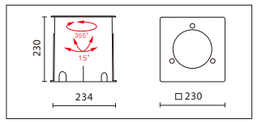
Honeycomb
ACO-206H



OGA-218SA(C18)



LED : LED (COB)
Power : LED 19.5Wx1(500mA)
Input : AC 100-277V
Beam Angle : 8°/12°/20°
30°/45°/60°
Driver Type : Built-in
Driver : LSC20W500HP



IK10 IP67

COB LED	38245 cd	H(m)	D(m)	E(lx) 8°
		1.0	0.1	38245
		2.0	0.3	599
		3.0	0.5	266

COB LED	16855 cd	H(m)	D(m)	E(lx) 12°
		1.0	0.2	16855
		2.0	0.4	4214
		3.0	0.6	1873

COB LED	7035 cd	H(m)	D(m)	E(lx) 20°
		1.0	0.4	7035
		2.0	0.7	1759
		3.0	1.1	782

COB LED	4385 cd	H(m)	D(m)	E(lx) 30°
		1.0	0.5	4385
		2.0	1.1	1096
		3.0	1.6	487

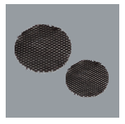
COB LED	2325 cd	H(m)	D(m)	E(lx) 45°
		1.0	0.8	2325
		2.0	1.7	581
		3.0	2.5	285

COB LED	1870 cd	H(m)	D(m)	E(lx) 60°
		1.0	1.2	1870
		2.0	2.3	468
		3.0	3.5	208

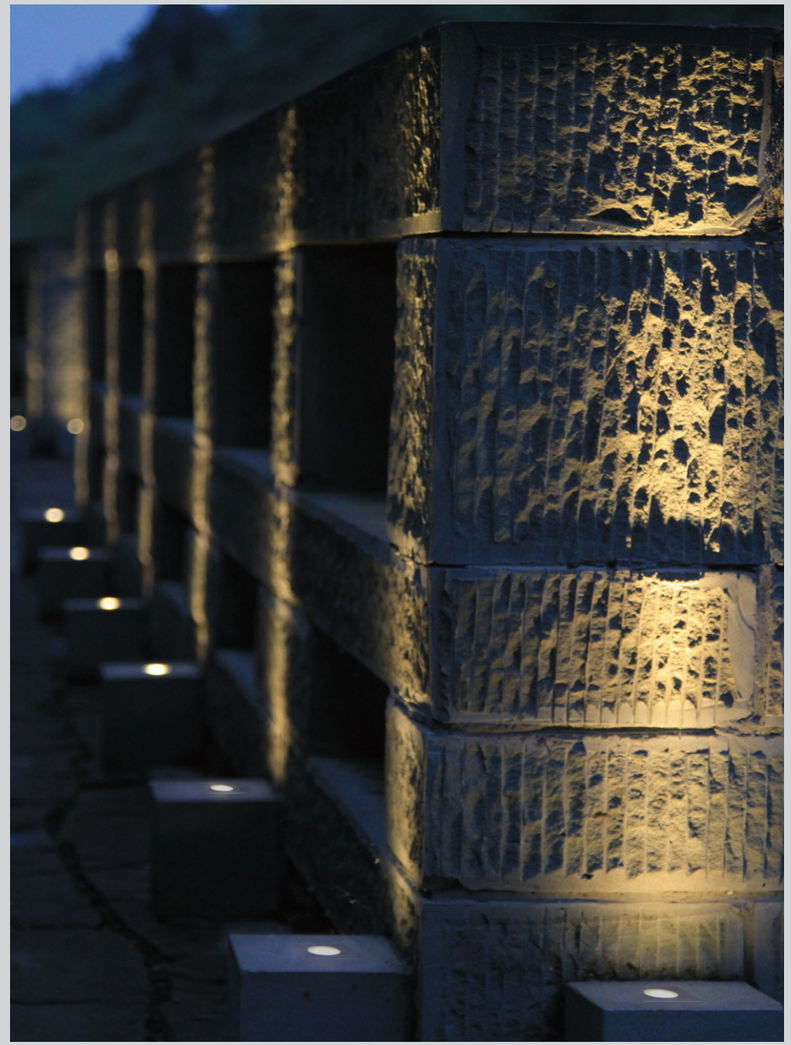
Accessories



Anti-glare louver
AC-C111C-AB
AC-C111C-AE
AC-C111C-BO
AC-C111C-CO
Applicable for
12°~30° reflector



Honeycomb
ACO-208H



Projectors

Flood Lights





Model	Page
KA-A101 Series	P. 371



IP65



Model	Page
OFA-108C Series	P. 373



20° Cut-off

IP67



Model	Page
GA-230A Series	P. 379



IP65



Model	Page
OFA-108P Series	P. 383



IP67



Model	Page
GA-330A 系列	P. 389



20° Cut-off

IP65



Model	Page
GA-130Q 系列	P. 393



IP65



Features

- Surface-mount mini outdoor spotlight
- Easy to install and adjust beam alignment
- Dust and moisture proof: IP65
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source
- Precise optical design for a mellow and plump light distribution
- Anti-glare design made a comfortable and safe lighting environment for passengers and drivers at night

Applications

- Accent lighting for building outer walls, eaves, corridors, parking lots, bridges etc.



IP65

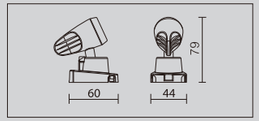




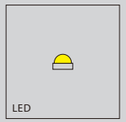
KA-A101

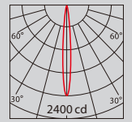


LED : LED
Power : LED 3Wx1(700mA)
Input : AC 100-240V
Beam Angle : 8°/12°/24°/36°
Driver Type : Independent



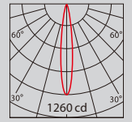
IP65





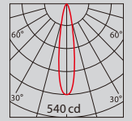
H(m)	D(m)	E(lx) 8°
1.0	0.1	2400
2.0	0.3	600
3.0	0.5	267





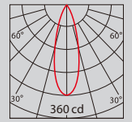
H(m)	D(m)	E(lx) 12°
1.0	0.2	1260
2.0	0.4	315
3.0	0.6	140





H(m)	D(m)	E(lx) 24°
1.0	0.4	540
2.0	0.9	135
3.0	1.3	60

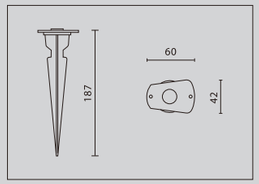




H(m)	D(m)	E(lx) 36°
1.0	0.6	360
2.0	1.3	90
3.0	1.9	40



Aluminum earth-spike with anti-corrosive coating
AC-A101







Features

- Surface-mount outdoor spotlight
- Dust and moisture proof: IP65
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source
- Precise optical design for a mellow and plump light distribution
- Anti-glare design made a comfortable and safe lighting environment for passengers and drivers at night
- The stem with a scale by side is 355° horizontally rotatable and the body is able to tilt 120° vertically, which can be adjusted precisely for optimum beam alignment
- Special side-draining structure designed to avoid puddle in the lampshade

Applications

- Accent lighting for building outer walls, eaves, corridors, parking lots, bridges etc.

IP65





OFA-108C(C5)
LED 7W(350mA)



OFA-107C(C12)
LED 14W(350mA)



OFA-105C(C25)
LED 28W(700mA)



OFA-118C(C5)
LED 7W(350mA)



OFA-117C(C12)
LED 14W(350mA)



OFA-115C(C25)
LED 28W(700mA)



Wall-mounted



Ceiling-mounted



Bevel and flat shade design



The connected knob on the brace made the luminaire 355° rotatable.



The scale made adjusting precisely.

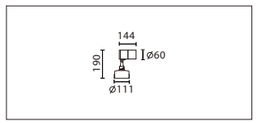


OFA-108C(C5)



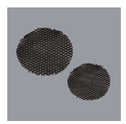
LED : LED (COB)
Power : LED7W(350mA)
Input : AC 100-277V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC9W350P UNI



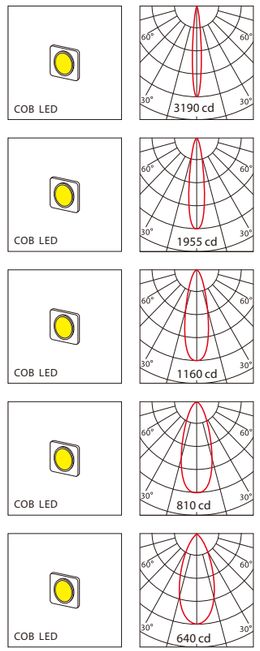




Accessories



Honeycomb
AC-108C



H(m)	D(m)	E(lx) 12°
1.0	0.2	3190
2.0	0.4	798
3.0	0.6	354

H(m)	D(m)	E(lx) 20°
1.0	0.4	1955
2.0	0.9	489
3.0	1.3	217

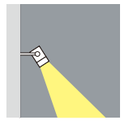
H(m)	D(m)	E(lx) 30°
1.0	0.5	1160
2.0	1.1	290
3.0	1.6	129

H(m)	D(m)	E(lx) 40°
1.0	0.7	810
2.0	1.5	203
3.0	2.2	90

H(m)	D(m)	E(lx) 50°
1.0	0.9	640
2.0	1.9	160
3.0	2.8	71

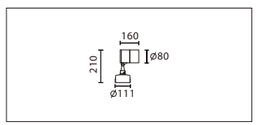


OFA-107C(C12)



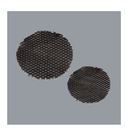
LED : LED (COB)
Power : LED14W(350mA)
Input : AC 100-277V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC20W350P UNI



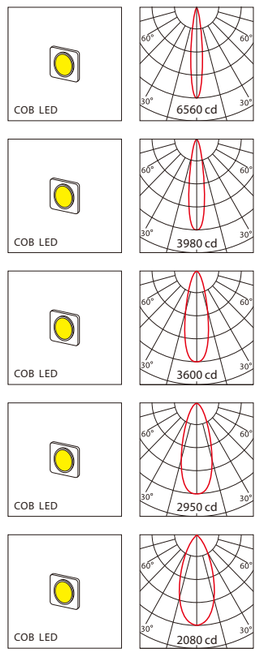




Accessories



Honeycomb
AC-107C



H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729

H(m)	D(m)	E(lx) 20°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442

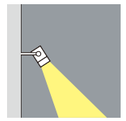
H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400

H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328

H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231

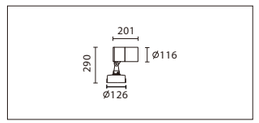


OFA-105C(C25)



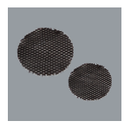
LED : LED (COB)
Power : LED28W(700mA)
Input : AC 120-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCD36W700 UNI



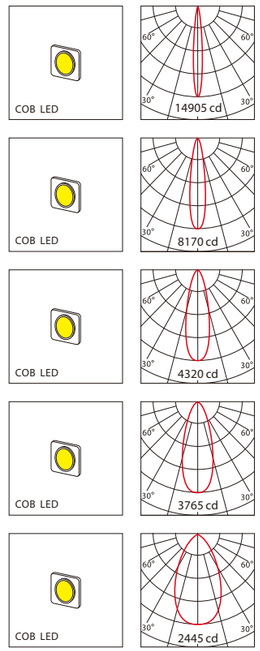




Accessories



Honeycomb
AC-105C



H(m)	D(m)	E(lx) 10°
1.0	0.2	14905
2.0	0.3	3726
3.0	0.5	1656

H(m)	D(m)	E(lx) 20°
1.0	0.4	8170
2.0	0.9	2043
3.0	1.3	908

H(m)	D(m)	E(lx) 30°
1.0	0.5	4320
2.0	1.1	1080
3.0	1.6	480

H(m)	D(m)	E(lx) 40°
1.0	0.7	3765
2.0	1.5	941
3.0	2.2	418

H(m)	D(m)	E(lx) 60°
1.0	1.2	2445
2.0	2.3	611
3.0	3.5	272



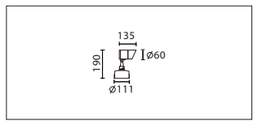


OFA-118C(C5)



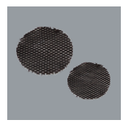
20°
Cut-off

LED : LED (COB)
Power : LED7W(350mA)
Input : AC 100-277V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC9W350P UNI

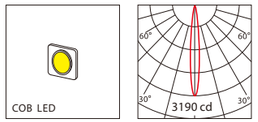


IP65

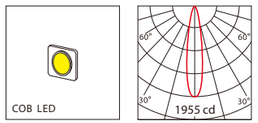
Accessories



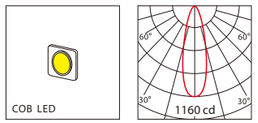
Honeycomb
AC-108C



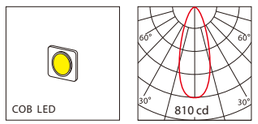
H(m)	D(m)	E(lx) 12°
1.0	0.2	3190
2.0	0.4	798
3.0	0.6	354



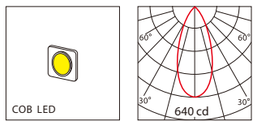
H(m)	D(m)	E(lx) 20°
1.0	0.4	1955
2.0	0.9	489
3.0	1.3	217



H(m)	D(m)	E(lx) 30°
1.0	0.5	1160
2.0	1.1	290
3.0	1.6	129



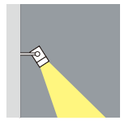
H(m)	D(m)	E(lx) 40°
1.0	0.7	810
2.0	1.5	203
3.0	2.2	90



H(m)	D(m)	E(lx) 50°
1.0	0.9	640
2.0	1.9	160
3.0	2.8	71

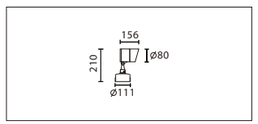


OFA-117C(C12)



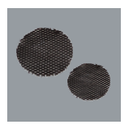
20°
Cut-off

LED : LED (COB)
Power : LED14W(350mA)
Input : AC 100-277V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC20W350P UNI

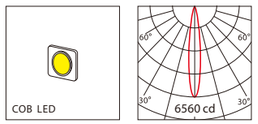


IP65

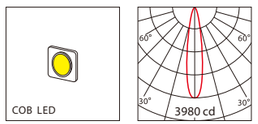
Accessories



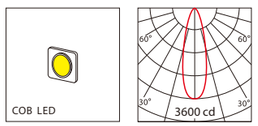
Honeycomb
AC-107C



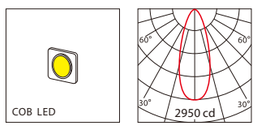
H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729



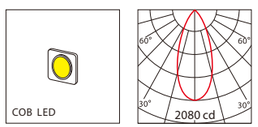
H(m)	D(m)	E(lx) 20°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442



H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400



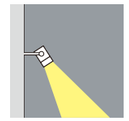
H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328



H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231

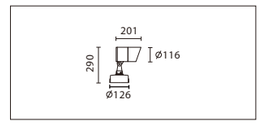


OFA-115C(C25)



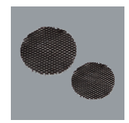
20°
Cut-off

LED : LED (COB)
Power : LED28W(700mA)
Input : AC 120-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCD36W700 UNI

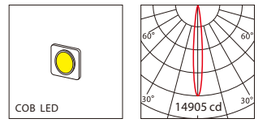


IP65

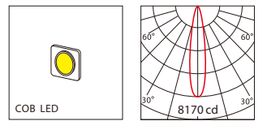
Accessories



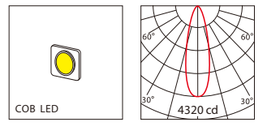
Honeycomb
AC-105C



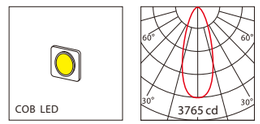
H(m)	D(m)	E(lx) 10°
1.0	0.2	14905
2.0	0.3	3726
3.0	0.5	1656



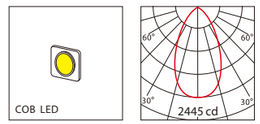
H(m)	D(m)	E(lx) 20°
1.0	0.4	8170
2.0	0.9	2043
3.0	1.3	908



H(m)	D(m)	E(lx) 30°
1.0	0.5	4320
2.0	1.1	1080
3.0	1.6	480



H(m)	D(m)	E(lx) 40°
1.0	0.7	3765
2.0	1.5	941
3.0	2.2	418



H(m)	D(m)	E(lx) 60°
1.0	1.2	2445
2.0	2.3	611
3.0	3.5	272



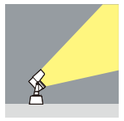


Features

- Outdoor projector with symmetrical light distribution
- Dust and moisture proof: IP65
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source
- Precise optical design for a mellow and plump light distribution
- Anti-glare design made a comfortable and safe lighting environment for passengers and drivers at night
- The stem with a scale by side is 355° horizontally rotatable and the body is able to tilt 120° vertically, which can be adjusted precisely for optimum beam alignment
- Special back-draining structure designed to avoid puddle in the lamp shade

Applications

- Landscape lighting for Roman Columns, towers, bridges and tall buildings.



IP65

TAIWAN EXCELLENCE 2012



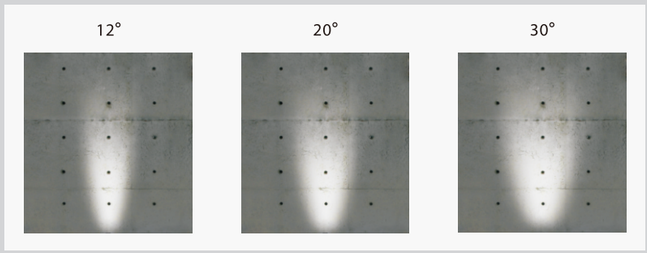


GA-230Q
LED 2Wx30(500mA)



GA-230A
LED 2Wx30(500mA)

Light Distribution





Draining Hole

Accessories



GA-206Q
Iron earth spike
with anti-corrosive
coating
For GA-230A



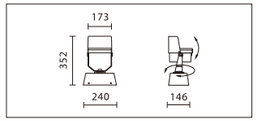


GA-230Q

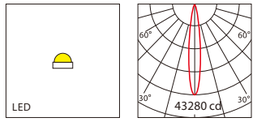
TAIWAN EXCELLENCE 2012



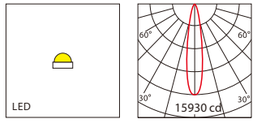
LED : LED
Power : LED 2Wx30 (500mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
Driver Type : Built-in
Driver :
Xitanium 75W 0.7A AOCM 1-10V GL-Y SXT



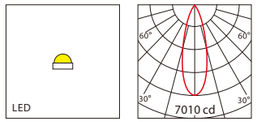




H(m)	D(m)	E(lx) 12°
1.0	0.2	43280
2.0	0.4	10821
3.0	0.6	4809



H(m)	D(m)	E(lx) 20°
1.0	0.4	15930
2.0	0.7	3983
3.0	1.1	1770



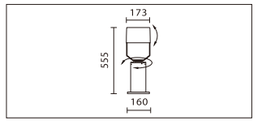
H(m)	D(m)	E(lx) 30°
1.0	0.5	7010
2.0	1.1	1753
3.0	1.6	779



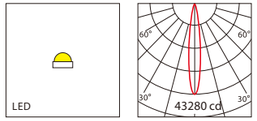
GA-230A



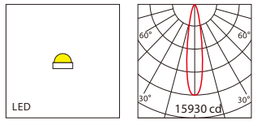
LED : LED
Power : LED 2Wx30 (500mA)
Input : AC 220-240V
Beam Angle : 12°/20°/30°
Driver Type : Built-in
Driver :
Xitanium 75W 0.7A AOCM 1-10V GL-Y SXT



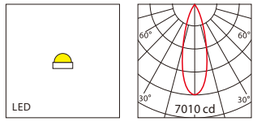




H(m)	D(m)	E(lx) 12°
1.0	0.2	43280
2.0	0.4	10821
3.0	0.6	4809



H(m)	D(m)	E(lx) 20°
1.0	0.4	15930
2.0	0.7	3983
3.0	1.1	1770



H(m)	D(m)	E(lx) 30°
1.0	0.5	7010
2.0	1.1	1753
3.0	1.6	779





Features

- Outdoor spike light
- Dust and moisture proof: IP67
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source
- Precise optical design for a mellow and plump light distribution
- Anti-glare design made a comfortable and safe lighting environment for passengers and drivers at night
- The stem with a scale by side is 355° horizontally rotatable and the body is able to tilt 120° vertically, which can be adjusted precisely for optimum beam alignment
- Special side-draining structure designed to avoid puddle in the lampshade
- Plastic earth-spike

Applications

- Landscape lighting for gardens, trees, residential or business district applications.

20°
Cut-off

IP67





OFA-108P(C5)
LED 7W(350mA)



OFA-107P(C12)
LED 14W(350mA)



OFA-105P(C25)
LED 28W(700mA)



OFA-118P(C5)
LED 7W(350mA)



OFA-117P(C12)
LED 14W(350mA)



OFA-115P(C25)
LED 28W(700mA)



Easy stepping-on installation



Bevel and flat shade design

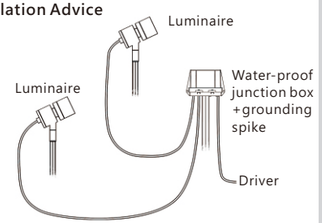


The connected knob on the brace made the luminaire 355° rotatable.



The scale made adjusting precisely.

Installation Advice





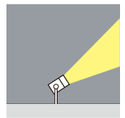
Tree mounting tape

AC-108T



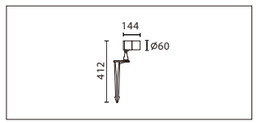


OFA-108P(C5)





LED : LED (COB)
Power : LED7W(350mA)
Input : AC 100-277V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC9W350P UNI
Cable : H05RN-F1-3G (3M)

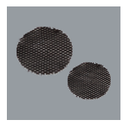




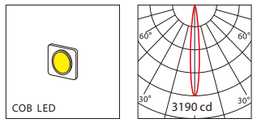
Accessories



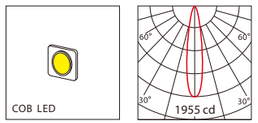
Tree mounting tape AC-108T



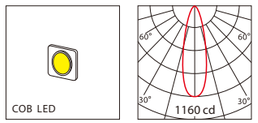
Honeycomb AC-108C



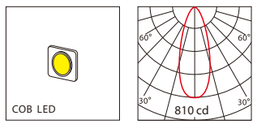
H(m)	D(m)	E(lx) 12°
1.0	0.2	3190
2.0	0.4	798
3.0	0.6	354



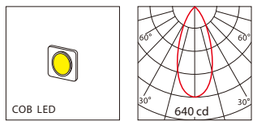
H(m)	D(m)	E(lx) 20°
1.0	0.4	1955
2.0	0.9	489
3.0	1.3	217



H(m)	D(m)	E(lx) 30°
1.0	0.5	1160
2.0	1.1	290
3.0	1.6	129



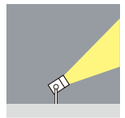
H(m)	D(m)	E(lx) 40°
1.0	0.7	810
2.0	1.5	203
3.0	2.2	90



H(m)	D(m)	E(lx) 50°
1.0	0.9	640
2.0	1.9	160
3.0	2.8	71

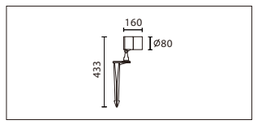


OFA-107P(C12)





LED : LED (COB)
Power : LED14W(350mA)
Input : AC 100-277V
Beam Angle : 15°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC20W350P UNI
Cable : H05RN-F1-3G (3M)

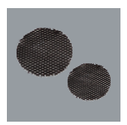




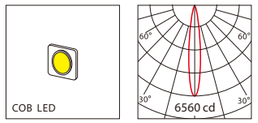
Accessories



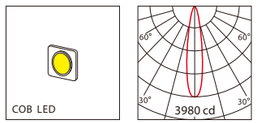
Tree mounting tape AC-108T



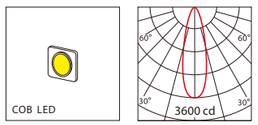
Honeycomb AC-107C



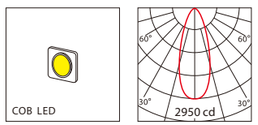
H(m)	D(m)	E(lx) 15°
1.0	0.3	6560
2.0	0.5	1640
3.0	0.8	729



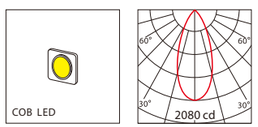
H(m)	D(m)	E(lx) 20°
1.0	0.4	3980
2.0	0.9	995
3.0	1.3	442



H(m)	D(m)	E(lx) 30°
1.0	0.5	3600
2.0	1.1	900
3.0	1.6	400



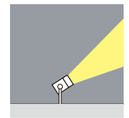
H(m)	D(m)	E(lx) 40°
1.0	0.7	2950
2.0	1.5	738
3.0	2.2	328



H(m)	D(m)	E(lx) 50°
1.0	0.9	2080
2.0	1.9	520
3.0	2.8	231

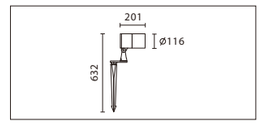


OFA-105P(C25)



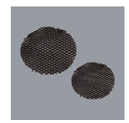


LED : LED (COB)
Power : LED28W(700mA)
Input : AC 120-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCD36W700 UNI
Cable : H05RN-F1-3G (3M)





Accessories



Honeycomb AC-105C

H(m)	D(m)	E(lx) 10°
1.0	0.2	14905
2.0	0.3	3726
3.0	0.5	1656

H(m)	D(m)	E(lx) 20°
1.0	0.4	8170
2.0	0.9	2043
3.0	1.3	908

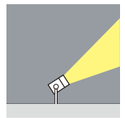
H(m)	D(m)	E(lx) 30°
1.0	0.5	4320
2.0	1.1	1080
3.0	1.6	480

H(m)	D(m)	E(lx) 40°
1.0	0.7	3765
2.0	1.5	941
3.0	2.2	418

H(m)	D(m)	E(lx) 60°
1.0	1.2	2445
2.0	2.3	611
3.0	3.5	272

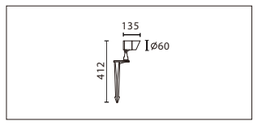


OFA-118P(C5)



20°
Cut-off

LED : LED (COB)
Power : LED7W(350mA)
Input : AC 100-277V
Beam Angle : 12°/20°/30°
40°/50°
Driver Type : Built-in
Driver : LSC9W350P UNI
Cable : H05RN-F1-3G (3M)

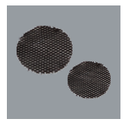


IP67

Accessories



Tree mounting tape AC-108T

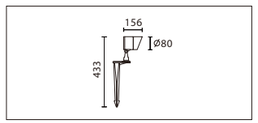


Honeycomb AC-108C

COB LED		H(m)	D(m)	E(lx) 12°
		1.0	0.2	3190
	3190 cd	2.0	0.4	798
		3.0	0.6	354
COB LED		H(m)	D(m)	E(lx) 20°
		1.0	0.4	1955
	1955 cd	2.0	0.9	489
		3.0	1.3	217
COB LED		H(m)	D(m)	E(lx) 30°
		1.0	0.5	1160
	1160 cd	2.0	1.1	290
		3.0	1.6	129
COB LED		H(m)	D(m)	E(lx) 40°
		1.0	0.7	810
	810 cd	2.0	1.5	203
		3.0	2.2	90
COB LED		H(m)	D(m)	E(lx) 50°
		1.0	0.9	640
	640 cd	2.0	1.9	160
		3.0	2.8	71



OFA-117P(C12)

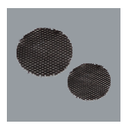


IP67

Accessories



Tree mounting tape AC-108T

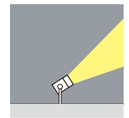


Honeycomb AC-107C

COB LED		H(m)	D(m)	E(lx) 15°
		1.0	0.3	6560
	6560 cd	2.0	0.5	1640
		3.0	0.8	729
COB LED		H(m)	D(m)	E(lx) 20°
		1.0	0.4	3980
	3980 cd	2.0	0.9	995
		3.0	1.3	442
COB LED		H(m)	D(m)	E(lx) 30°
		1.0	0.5	3600
	3600 cd	2.0	1.1	900
		3.0	1.6	400
COB LED		H(m)	D(m)	E(lx) 40°
		1.0	0.7	2950
	2950 cd	2.0	1.5	738
		3.0	2.2	328
COB LED		H(m)	D(m)	E(lx) 50°
		1.0	0.9	2080
	2080 cd	2.0	1.9	520
		3.0	2.8	231

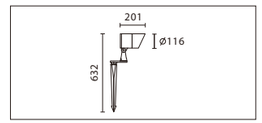


OFA-115P(C25)



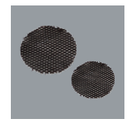
20°
Cut-off

LED : LED (COB)
Power : LED28W(700mA)
Input : AC 120-240V
Beam Angle : 10°/20°/30°
40°/60°
Driver Type : Built-in
Driver : LCD36W700 UNI
Cable : H05RN-F1-3G (3M)



IP67

Accessories



Honeycomb AC-105C

COB LED		H(m)	D(m)	E(lx) 10°
		1.0	0.2	14905
	14905 cd	2.0	0.3	3726
		3.0	0.5	1656
COB LED		H(m)	D(m)	E(lx) 20°
		1.0	0.4	8170
	8170 cd	2.0	0.9	2043
		3.0	1.3	908
COB LED		H(m)	D(m)	E(lx) 30°
		1.0	0.5	4320
	4320 cd	2.0	1.1	1080
		3.0	1.6	480
COB LED		H(m)	D(m)	E(lx) 40°
		1.0	0.7	3765
	3765 cd	2.0	1.5	941
		3.0	2.2	418
COB LED		H(m)	D(m)	E(lx) 60°
		1.0	1.2	2445
	2445 cd	2.0	2.3	611
		3.0	3.5	272





Features

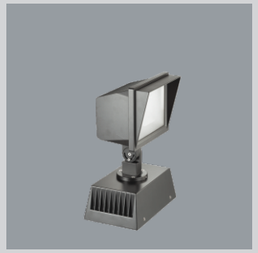
- Highly uniform wallwashing flood light for wide walls
- Dust and moisture proof: IP65
- A scale on the luminaire, made it easier to adjust beam alignment
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source
- Glare-proofshademade a comfortable and safe lighting environment for passengers and drivers at night
- Biological friendly:bring very low heat, not able to disturb growing plants

Applications

- Landscape lighting for wide and short walls; such as office buildings, hotels and business districts.

IP65





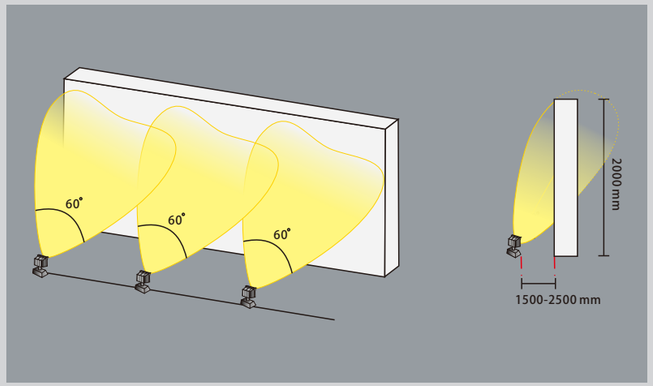
GA-330Q
LED 3Wx30(700mA)

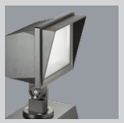


GA-330A
LED 3Wx30(700mA)

Installation Advice

For lower wall
Distance between luminaires : 1.5~2.5M





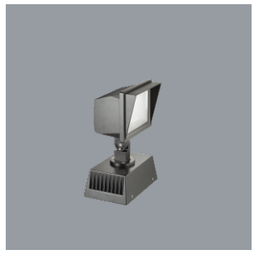
Anti-dazzle design



Accessories

GA-206Q
Iron earth spike
with anti-corrosive
coating
For GA-330A

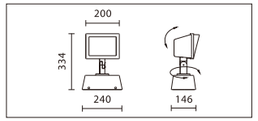


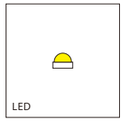


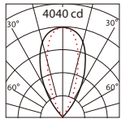


LED : LED
Power : LED 3Wx30 (700mA)
Input : AC 220-240V
Beam Angle : 30° x 60°
Driver Type : Built-in
Driver :
Xitanium 75W 0.7A AOCM 1-10V GL-Y SXT

GA-330Q







H(m)	D(m)	E(lx) 30°x60°
1.0	1.7	4040
2.0	3.4	1010
3.0	5.0	449

C90-270 ·····
C0-180 ——



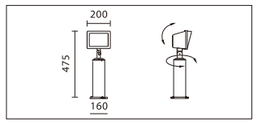
IP65

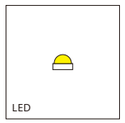


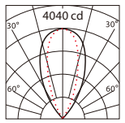


LED : LED
Power : LED 3Wx30 (700mA)
Input : AC 220-240V
Beam Angle : 30° x 60°
Driver Type : Built-in
Driver :
Xitanium 75W 0.7A AOCM 1-10V GL-Y SXT

GA-330A







H(m)	D(m)	E(lx) 30°x60°
1.0	1.7	4040
2.0	3.4	1010
3.0	5.0	449

C90-270 ·····
C0-180 ——



IP65



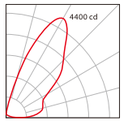
Features

- Flood light with asymmetrical light distribution especially made for tall walls
- Dust and moisture proof: IP65
- A scale on the luminaire, made it easier to adjust beam alignment
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source
- Glare-proof shade made a comfortable and safe illuminated environment for passengers and drivers at night
- Biological friendly: bring very low heat, not able to disturb growing plants

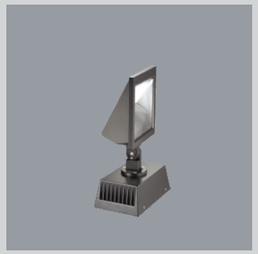
Applications

- Landscape lighting for tall walls; such as office buildings, hotels and business districts.





IP65



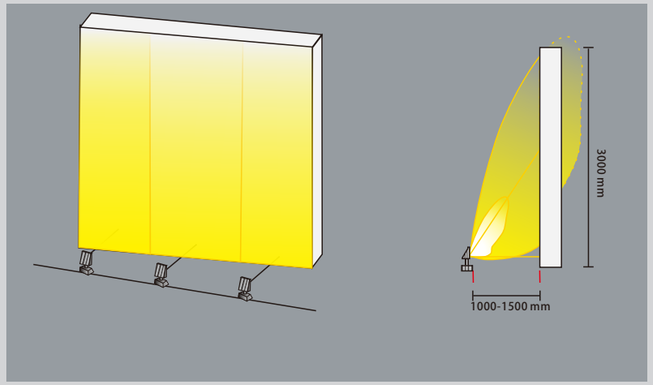
GA-130Q
LED 2Wx30(500mA)



GA-130A
LED 2Wx30(500mA)

Installation Advice

For higher wall
Distance between luminaires : 1~1.5M

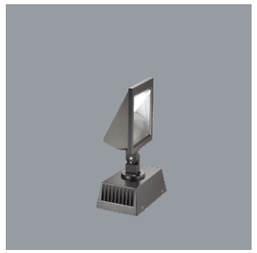




Accessories

GA-206Q
Iron earth spike
with anti-corrosive
coating
For GA-130A

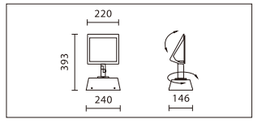


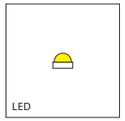


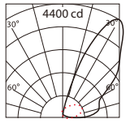


LED : LED
Power : LED 2Wx30 (500mA)
Input : AC 220-240V
Driver Type : Built-in
Driver :
Xitanium 75W 0.7A AOCM 1-10V GL-Y SXT

GA-130Q







H(m)	E(lx)
1.0	4400
2.0	1101
3.0	489

C90-270 ·····
C0-180 ——



IP65

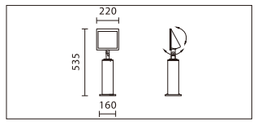


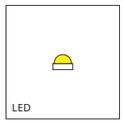


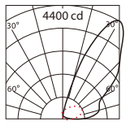
LED : LED
Power : LED 2Wx30 (500mA)
Input : AC 220-240V
Driver Type : Built-in
Driver :
Xitanium 75W 0.7A AOCM 1-10V GL-Y SXT

GA-130A

TAIWAN EXCELLENCE 2012







H(m)	E(lx)
1.0	4400
2.0	1101
3.0	489

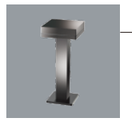
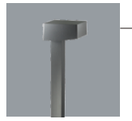
C90-270 ·····
C0-180 ——



IP65

Bollards



	Model	Page
	GA-206A	P. 401
	GA-206Q	P. 401
	GA-203A	P. 401
	GA-203Q	P. 402

IP65







IP65

Features

- Bionic contour design
- Dust and moisture proof: IP65
- Special outdoor Nano coating for self-cleaning lotus effect
- Special heatsink design for faster heat dissipation, which ensures stable and long lifespan of the light source
- Mellow and even light output

Applications

- Landscape lighting for pavements, courtyards, outdoor parking lots, harbors, parks. Creating a romantic atmosphere at evening.





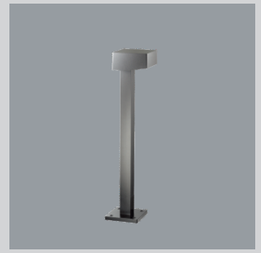
GA-206A
LED 1.2Wx6(350mA)



GA-206Q
LED 1.2Wx6(350mA)



GA-203A
LED 1.2Wx3(350mA)



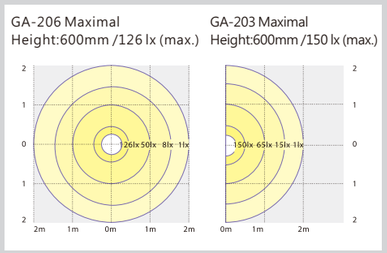
GA-203Q
LED 1.2Wx3(350mA)



Surface Treatment

Special outdoor nano coating on the surface of the bollards for a lotus effect to keep self cleaning

Illuminance





AC-215A
Aluminum earth-spike with anti-corrosive coating for
GA-203A
GA-203Q



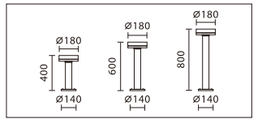
GA-206Q
Iron earth spike with anti-corrosive coating for
GA-206A
GA-206Q

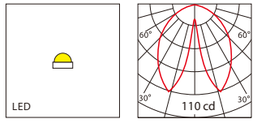




LED : LED
Power : LED 1.2Wx6(350mA)
Input : AC 100-277V
Beam Angle : 95°
Driver Type : Built-in
Driver : LSC9W350P

GA-206A

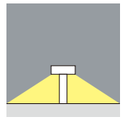




H(m)	D(m)	E(lx) 95°
1.0	2.2	110
2.0	4.4	28
3.0	6.5	12

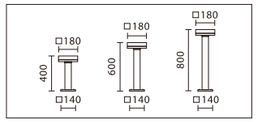
IP65

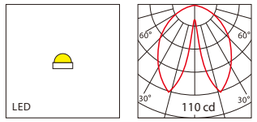




LED : LED
Power : LED 1.2Wx6(350mA)
Input : AC 100-277V
Beam Angle : 95°
Driver Type : Built-in
Driver : LSC9W350P

GA-206Q

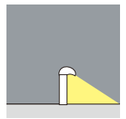




H(m)	D(m)	E(lx) 95°
1.0	2.2	110
2.0	4.4	28
3.0	6.5	12

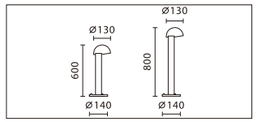
IP65

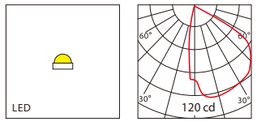




LED : LED
Power : LED 1.2Wx3(350mA)
Input : AC 100-277V
Beam Angle : 75°
Driver Type : Built-in
Driver : LSC4W350P

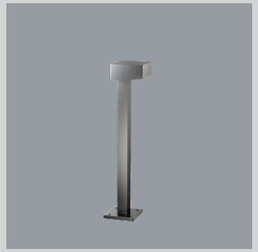
GA-203A





H(m)	D(m)	E(lx) 75°
1.0	1.4	120
2.0	3.1	30
3.0	4.6	13

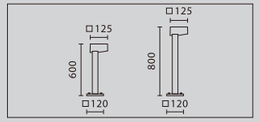
IP65

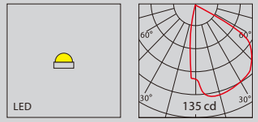




LED : LED
Power : LED 1.2Wx3(350mA)
Input : AC 100-277V
Beam Angle : 75°
Driver Type : Built-in
Driver : LSC4W350P

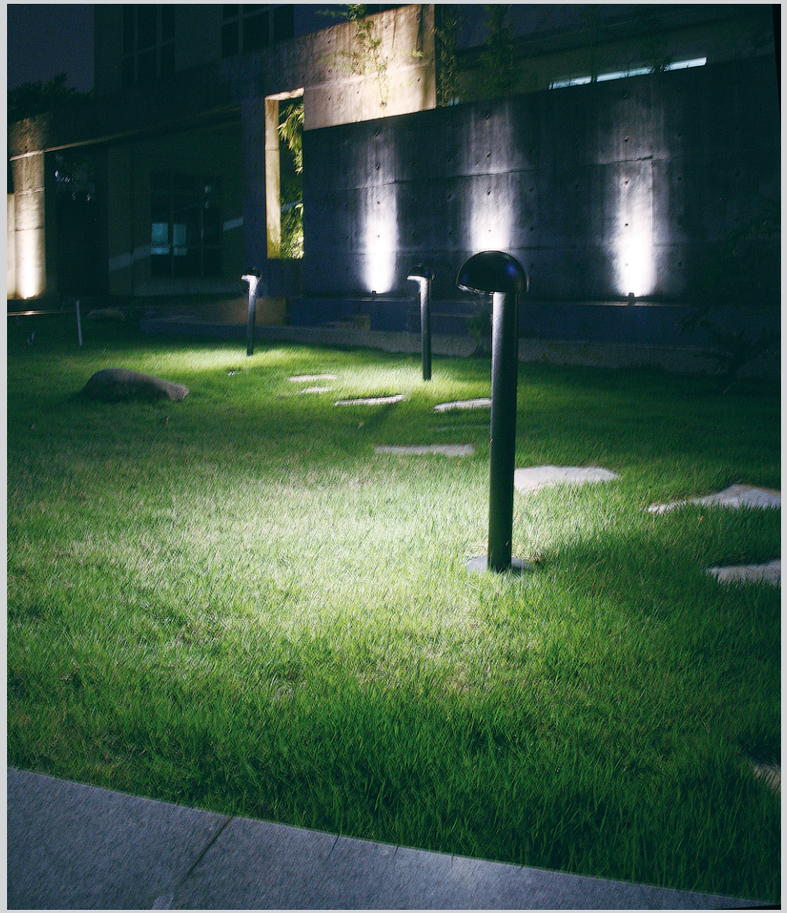
GA-203Q





H(m)	D(m)	E(lx) 75°
1.0	1.4	135
2.0	3.1	34
3.0	4.6	15

IP65





Features

- Dust and moisture proof: IP67
- Made of durable anti- corrosive materials

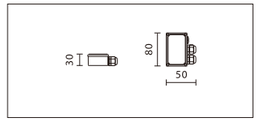
Applications

- As protection box for drivers of outdoor luminaires.

IP67



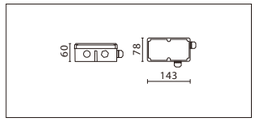




OTBK-H
Material : Plastic

IP67

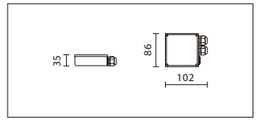




OTBK-TRH1
Material : Plastic

IP67

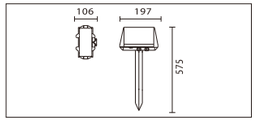




OTBK-TRH3
Material : Plastic

IP67

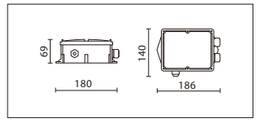




IP67

OTBK-TRH5
Material : plastic box and aluminum earth-spike with anti-corrosive coating





OTBK-TRH6
Material : Plastic

IP67

Options	OTBK-TRH1	OTBK-TRH3	OTBK-TRH5	OTBK-TRH6
 LSC4W350LP UNI LSC4W350P UNI LSC4W500LP UNI LSC4W700P UNI		○	○	○
 LSC9W350P UNI LSC9W500P UNI LSC9W700P UNI		○	○	○
 LSC20W350P UNI LSC20W500HP UNI LSC20W700P UNI		○	○	○
 LSC36W700	○		○	○

Connection Type of Terminal Output: Terminal Block (Screw) | Quick Connector plug | Terminal Block (Push) | Cable outlet | Cable Connector-Male

Constant Current : DC 150mA



EBP006C0150S1 Built-in
Input : AC220-240V
Output : DC150mA(20-40V)
Size : L : 49 W : 39 H : 20



EIP006C0150LSS Independent low ripple
Input : AC220-240V
Output : DC150mA(26-40V)
Size : L : 88 W : 39 H : 23

Constant Current : DC 200mA



LIC9W200-Z Independent
Input : AC100-240V
Output : DC200mA(30-45V)
Size : L : 65 W : 39 H : 20

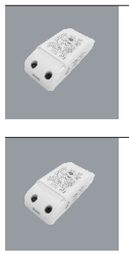


EIP009C0200LSS Independent low ripple
Input : AC220-240V
Output : DC200mA(27-45V)
Size : L : 88 W : 39 H : 23

Constant Current : DC 300mA



LMC15W300-Z Independent
Input : AC220-240V
Output : DC300mA(26-43V)
Size : L : 85 W : 41 H : 22



EIP012C0300L3 Independent low ripple
Input : AC220-240V
Output : DC300mA(25-42V)
Size : L : 88 W : 39 H : 23



ECP012C0300LSL Independent low ripple
Input : AC220-240V
Output : DC300mA(20-40V)
Size : L : 88 W : 39 H : 23

Constant Current : DC 350mA



LSC4W350LP Built-in
Input : AC100-277V
Output : DC350mA(2-7V)
Size : L : 49 W : 27.2 H : 20

LSC4W350L-Z Independent
Input : AC100-277V
Output : DC350mA(2-7V)
Size : L : 68 W : 33 H : 22



LSC4W350P Built-in
Input : AC100-277V
Output : DC350mA(8-13V)
Size : L : 49 W : 27.2 H : 20



LSC4W350H-Z Independent
Input : AC100-277V
Output : DC350mA(8-13V)
Size : L : 68 W : 33 H : 22



LIC9W350 UNI Built-in
Input : AC100-240V
Output : DC350mA(17.1-25.7V)
Size : L : 58 W : 39 H : 20



LSC6W350-Z UNI Independent
Input : AC100-240V
Output : DC350mA(8.6-18V)
Size : L : 67 W : 39 H : 22



LSC20W350 UNI Built-in
Input : AC100-277V
Output : DC350mA(33-55V)
Size : L : 70 W : 44 H : 25



LIC9W350-Z UNI Independent
Input : AC100-240V
Output : DC350mA(17.1-25.7V)
Size : L : 65 W : 39 H : 20



LMC10W350-Z Independent
Input : AC100-240V
Output : DC350mA(17-29V)
Size : L : 85 W : 41 H : 22

Constant Current : DC 350mA



LMC15W350-Z Independent
Input : AC100-240V
Output : DC350mA(26-43V)
Size : L : 85 W : 41 H : 22



LCD-16-0350-NLE Independent
Input : AC100-240V
Output : DC350mA(23-46V)
Size : L : 115 W : 45 H : 28



LBC20W350-Z UNI Independent
Input : AC120-277V
Output : DC350mA(33-55.7V)
Size : L : 117 W : 44 H : 30



ECP016C0350LSL Independent low ripple
Input : AC220-240V
Output : DC350mA(30-46V)
Size : L : 105 W : 42 H : 24

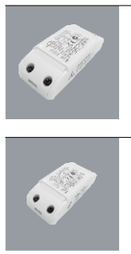
Constant Current : DC 450mA



LIC9W450 UNI Built-in
Input : AC100-240V
Output : DC450mA(15-21V)
Size : L : 58 W : 39 H : 20



LIC9W450-Z UNI Independent
Input : AC100-240V
Output : DC450mA(15-21V)
Size : L : 65 W : 39 H : 20



LCD-12-0450-NLE Independent
Input : AC220-240V
Output : DC450mA(13-27V)
Size : L : 105 W : 42 H : 24

EIP012C0450L3 Independent low ripple
Input : AC220-240V
Output : DC450mA(13.5-27V)
Size : L : 88 W : 39 H : 23



ECP012C0450LSL Independent low ripple
Input : AC220-240V
Output : DC450mA(16-27V)
Size : L : 88 W : 39 H : 23

Constant Current : DC 500mA



LIC9W500 UNI Built-in
Input : AC100-240V
Output : DC500mA(12-18V)
Size : L : 58 W : 39 H : 20



LIC9W500-Z UNI Independent
Input : AC100-240V
Output : DC500mA(12-18V)
Size : L : 65 W : 39 H : 20



LSC20W500HP UNI Built-in
Input : AC100-277V
Output : DC500mA(24-45V)
Size : L : 70 W : 44 H : 25



LMC10W500-Z Independent
Input : AC220-240V
Output : DC500mA(12-20V)
Size : L : 85 W : 41 H : 22



LMC15W500-Z Independent
Input : AC220-240V
Output : DC500mA(18-30V)
Size : L : 85 W : 41 H : 22



LBC20W500-Z UNI Independent
Input : AC120-277V
Output : DC500mA(26-40V)
Size : L : 117 W : 44 H : 30

Connection Type of Terminal Output: Terminal Block (Screw) | Quick Connector plug | Terminal Block (Push) | Cable outlet | Cable Connector-Male

Constant Current : DC 500mA



LCD-12-0500-NLE Independent
Input : AC220-240V
Output : DC500mA(14.5-24V)
Size :L : 105 W : 42 H : 24



LCD-21-0500-NLE Independent
Input : AC100-240V
Output : DC500mA(28-24V)
Size : L : 115 W : 45 H : 28



ECP024C0500LSL Independent low ripple
Input : AC220-240V
Output : DC500mA(28.5-48V)
Size : L : 115 W : 45 H : 28

Constant Current : DC 600mA



LCD36W600 UNI Built-in
Input : AC120-240V
Output : DC600mA(36-52.5V)
Size :L : 89 W : 45 H : 32



LTC40W600 UNI Built-in
Input : AC100-240V
Output : DC600mA(29-58V)
Size :L : 109 W : 76 H : 32



LCD-30-0600-NLE Independent
Input : AC220-240V
Output : DC600mA(34-50V)
Size : L : 140 W : 45 H : 28



LTC40W600-Z UNI Independent
Input : AC100-240V
Output : DC600mA(29-58V)
Size : L : 129 W : 76 H : 32



ECP030C0600LSL Independent low ripple
Input : AC220-240V
Output : DC600mA(30-50V)
Size : L : 140 W : 45 H : 28

Constant Current : DC 700mA



LSC4W700P Built-in
Input : AC100-277V
Output : DC700mA(2.8-6.8V)
Size : L : 44 W : 27.2 H : 20



LIC9W700 UNI Built-in
Input : AC100-240V
Output : DC700mA(8.6-12.9V)
Size : L : 58 W : 39 H : 20



LCD36W700 UNI Built-in
Input : AC120-240V
Output : DC700mA(36-52.5V)
Size : L : 89 W : 45 H : 32



LTC40W700 UNI Built-in
Input : AC100-240V
Output : DC700mA(29-58V)
Size : L : 109 W : 76 H : 32



LSC4W700-Z Independent
Input : AC100-277V
Output : DC700mA(2.8-7V)
Size : L : 68 W : 33 H : 22



LSC6W700-Z UNI Independent
Input : AC100-240V
Output : DC700mA(4.3-9V)
Size : L : 67 W : 39 H : 22



LIC9W700-Z UNI Independent
Input : AC100-240V
Output : DC700mA(8.6-12.9V)
Size :L : 58 W : 39 H : 20



LMC10W700-Z Independent
Input : AC220-240V
Output : DC700mA(8.5-14.5V)
Size :L : 85 W : 41 H : 22

Constant Current : DC 700mA



LMC15W700-Z Independent
Input : AC220-240V
Output : DC700mA(13-21V)
Size : L : 85 W : 41 H : 22



LBC20W700-Z UNI Independent
Input : AC120-277V
Output : DC700mA(18-28V)
Size :L : 117 W : 44 H : 30



LTC40W700-Z UNI Independent
Input : AC100-240V
Output : DC700mA(29-58V)
Size :L : 129 W : 76 H : 32

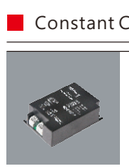


LCD-30-0700-NLE Independent
Input : AC220-240V
Output : DC700mA(28-43V)
Size : L : 140 W : 45 H : 28



ECP030C0700LSL Independent low ripple
Input : AC220-240V
Output : DC700mA(25.5-43V)
Size :L : 140 W : 45 H : 28

Constant Current : DC 900mA



LTC40W900 UNI Built-in
Input : AC100-240V
Output : DC900mA(22-44V)
Size : L : 109 W : 76 H : 32



LTC40W900-Z UNI Independent
Input : AC100-240V
Output : DC900mA(22-44V)
Size : L : 129 W : 76 H : 32



LCD-40-0900-NLE Independent
Input : AC100-240V
Output : DC900mA(29-44.5V)
Size : L : 157 W : 54 H : 36



ECP040C0900LI Independent low ripple
Input : AC220-240V
Output : DC900mA(26.5-44.5V)
Size :L : 142 W : 45 H : 30

Constant Current : DC 1050mA



LTC60W1050 UNI Built-in
Input : AC100-240V
Output : DC1050mA(28-57V)
Size : L : 109 W : 76 H : 32



LTC60W1050-Z UNI Independent
Input : AC100-240V
Output : DC1050mA(28-57V)
Size : L : 129 W : 76 H : 32



ECP040C1050LI Independent low ripple
Input : AC220-240V
Output : DC1050mA(23-38.5V)
Size : L : 142 W : 45 H : 30

LED Driver | Constant Current (Dimmable)

Connection Type of Terminal Output: Terminal Block (Screw) | Quick Connector plug | Terminal Block (Push) | Cable outlet | Cable Connector-Male

TRIAC Dimming



LSTC10W200P Built-in
Input : AC220-240V
Output : DC200mA(33-43V)
Size : L : 64 W : 40 H : 23



LCI-14-350-TL Built-in
Input : AC220-240V
Output : DC350mA(32-42V)
Size : L : 94 W : 35 H : 26



LCI-20-500-TL Built-in
Input : AC220-240V
Output : DC500mA(32-42V)
Size : L : 94 W : 35 H : 26



LCI-24-600-TL Built-in
Input : AC220-240V
Output : DC600mA(32-42V)
Size :L : 94 W : 35 H : 26



LCI-36-900-TL Built-in
Input : AC220-240V
Output : DC900mA(32-42V)
Size : L : 126 W : 66 H : 36



LCI-38-900-TL Built-in
Input : AC220-240V
Output : DC900mA(32-42V)
Size : L : 126 W : 66 H : 36



LCI-48-1100-TL Built-in
Input : AC220-240V
Output : DC1050mA(32-42V)
Size : L : 126 W : 66 H : 36



LMTC10W200-Z Independent
Input : AC220-240V
Output : DC200mA(29-44V)
Size : L : 85 W : 41 H : 22



LMTC15W300-Z Independent
Input : AC220-240V
Output : DC300mA(29-44V)
Size :L : 85 W : 41 H : 22



LMTC10W350-Z Independent
Input : AC220-240V
Output : DC350mA(17-29V)
Size : L : 85 W : 41 H : 22



LMTC15W350-Z Independent
Input : AC220-240V
Output : DC350mA(26-43V)
Size :L : 85 W : 41 H : 22



LMTC10W500-Z Independent
Input : AC220-240V
Output : DC500mA(12-20V)
Size : L : 85 W : 41 H : 22



LMTC10W700-Z Independent
Input : AC220-240V
Output : DC700mA(8.5-14.5V)
Size : L : 85 W : 41 H : 22



LCD-14-350-TL Independent
Input : AC220-240V
Output : DC350mA(32-42V)
Size : L : 127 W : 43 H : 28



LCD-10-500-TL Independent
Input : AC220-240V
Output : DC500mA(10-19V)
Size : L : 127 W : 43 H : 28



LCD-20-500-TL Independent
Input : AC220-240V
Output : DC500mA(32-42V)
Size : L : 127 W : 43 H : 28



LCD-24-600-TL Independent
Input : AC220-240V
Output : DC600mA(32-42V)
Size : L : 127 W : 43 H : 28



LCD-36-900-TL Independent
Input : AC220-240V
Output : DC900mA(32-42V)
Size : L : 150 W : 67 H : 42

Dimmable Drivers : TRIAC / 1-10V / DALI

TRIAC Dimming



LCD-38-900-TL Independent
Input : AC220-240V
Output : DC900mA(32-42V)
Size : L : 150 W : 67 H : 42



LCD-48-1100-TL Independent
Input : AC220-240V
Output : DC1050mA(32-42V)
Size :L : 150 W : 67 H : 42

1-10V Dimming



LBC20W500-1C UNI Built-in
Input : AC120-277V
Output : DC500mA(26-40V)
Size : L : 94 W : 44 H : 30



LBC20W500-1CZ UNI Independent
Input : AC122-277V
Output : DC500mA(26-40V)
Size : L : 117 W : 44 H : 30



LCD36W600-1C UNI Built-in
Input : AC120-240V
Output : DC600mA(36-52.5V)
Size : L : 89 W : 45 H : 32



LCD36W700-1C UNI Built-in
Input : AC120-240V
Output : DC700mA(36-52.5V)
Size :L : 89 W : 45 H : 32



LTC40W700-1C UNI Built-in
Input : AC100-240V
Output : DC700mA(29-58V)
Size : L : 109 W : 76 H : 32



LTC40W900-1C UNI Built-in
Input : AC100-240V
Output : DC900mA(22-44V)
Size :L : 109 W : 76 H : 32



LTC60W1050-1C UNI Built-in
Input : AC100-240V
Output : DC1050mA(28-57V)
Size :L : 109 W : 76 H : 32



LTC40W700-1CZ UNI Independent
Input : AC100-240V
Output : DC700mA(29-58V)
Size :L : 129 W : 76 H : 32



LTC40W900-1 CZ UNI Independent
Input : AC100-240V
Output : DC900mA(22-44V)
Size : L : 129 W : 76 H : 32



LTC60W1050-1 CZ UNI Independent
Input : AC100-240V
Output : DC1050mA(28-57V)
Size : L : 129 W : 76 H : 32

DALI Dimming



LCAI 35W 350mA-900mA ECO C Built-in
Input : AC220-240V
Output : DC700mA(22-50.5V)
Size : L : 120 W : 70 H : 29



LCAI 35W 350mA-900mA ECO SR Independent
Input : AC220-240V
Output : DC700mA(22-50.5V)
Size : L : 220 W : 85 H : 31

LED Driver | Constant Voltage

Connection Type of Terminal Output: Terminal Block (Screw) | Quick Connector plug | Terminal Block (Push) | Cable outlet | Cable Connector-Male

Constant Voltage

Output : DC 24V



LEV6W24Z UNI Built-in
Input : AC 100-240V
Output : MAX 250mA (6W)
Size : L:145.5 W:21 H:18



LSV3W24-Z UNI Independent
Input : AC 100-240V
Output : MAX 125mA (3W)
Size : L:56 W:39 H:20



LFV4W24-Z UNI Independent
Input : AC 100-240V
Output : MAX 167mA (4W)
Size : L:73 W:40 H:16



LMV12W24 UNI Independent
Input : AC 100-240V
Output : MAX 500mA (12W)
Size : L:85 W:40.5 H:22



LLV20W24 UNI Independent
Input : AC 100-240V
Output : MAX 833mA (20W)
Size : L:167 W:38.5 H:30



LHV60W24 Independent
Input : AC 220-240V
Output : MAX 2.5A (20W)
Size : L:174 W:77 H:31



LHV60W24 Independent
Input : AC 220-240V
Output : MAX 4.2A (100W)
Size : L:180 W:88 H:35.5

Constant Voltage Dimming

TRIAC Dimming

Output : DC 12V



EBP040V0120LSD1 Built-in
Input : AC 220-240V
Output : MAX 3.3A (40W)
Size : L:110 W:60 H:33

Output : DC24V



EBP040V0240LSD1 Independent
Input : AC 220-240V
Output : MAX 1.67A (40W)
Size : L:110 W:60 H:33

1-10V Dimming

Output : DC 24V



LAV30W24V1C Built-in
Input : AC 220-240V
Output : MAX 1.25A (30W)
Size : L:235 W:30 H:21



LAV60W24V1C Built-in
Input : AC 220-240V
Output : MAX 2.5A (60W)
Size : L:280 W:30 H:21



LAV100W24VS1C Built-in
Input : AC 220-240V
Output : MAX 4.1A (100W)
Size : L:360 W:31 H:22

Driver Accessories

Wiring Accessories



LDL-AC3 (350mA)
LDL-AC3B (700mA)
Terminal plug



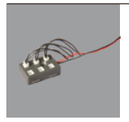
LDL-AC1-6 (350mA)
LDL-AC1-6B (700mA)
Cord : 1007#22awg
Length : 1000/1500/2000/3000



LDL-AC2-3 (350mA)
LDL-AC2-3B (700mA)
3-way adapter
Cord : 1007#22awg
Length : 1000/1500/2000/3000



LDL-AC2 (350mA)
LDL-AC2B (700mA)
2-way adapter
Cord : 1007#22awg
Length : 1000/1500/2000/3000



LDL-AC2-3 (350mA)
LDL-AC2-3B (700mA)
6-way adapter
Cord : 1007#22awg
Length : 1000/1500/2000/3000

Wiring Accessories DC12V & 24V



LDL-AC2-3P
Cord : 1007#22awg
Length : 1000/1500/2000/3000



LDL-AC2-6P
Cord : 1007#22awg
Length : 1000/1500/2000/3000

Lighting Basics

Color Temperature

The color temperature of a light source is the temperature of an ideal black-body radiator that radiates light of comparable hue to that of the light source.

The color temperature of the electromagnetic radiation emitted from an ideal black body is defined as its surface temperature in Kelvin (K).



2700K—Very Warm White 3000K—Warm White 3500K—Soft White 4000K—Natural White 5000K—Cool White 6500K—Cold White



2700K 3000K 4000K 5000K

Color Rendering Index

A color rendering index (CRI) is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source. Light sources with a high CRI are desirable in color-critical applications such as museum display lighting.

Numerically, the highest possible CRI value is 100, and would only be given to a source identical to standardized daylight or a black body.



Ra > 80



Ra >95

Recommended CRI for Different Applications

CRI < 60: roads / warehouses / workshops
CRI 60~69: corridors / lobbies
CRI 70~79: factories / schools / supermarkets
CRI 80~89: offices / meeting rooms / hotels / malls / hospitals
CRI 90~100: museums / galleries / textile printing / laboratories

Light Source and its CRI

Light Source	GLS	HALOGEN	CFL	FL	CDM	SON	SOX	LED
Color Rendering	100	100	70-90	70-90	70-90	<60	<60	85
Luminous Efficiency (lm/W)	15	25	80	80	90	130	200	90-140
Lifespan(Hours)	1,000	2,000	8,000	10,000	8,000	24,000	15,000	50,000

Appliance Classes

In the electrical appliance manufacturing industry, the following IEC protection classes are defined in IEC 61140 and used to differentiate between the protective-earth connection requirements of devices.

Class I: Luminaire with basic insulation and PE (protective-earth), the appliance must have its chassis connected to electrical earth by a separate earth conductor.

Class II: Luminaire is able to against the electric shock relies on double insulation or reinforced insulations.

Class III: When the voltage from a SELV supply is low enough that under normal conditions a person can safely come into contact with it without risk of electrical shock.

IP Protection

A two-digit number established by the International Electro Technical Commission is used to provide an Ingress Protection rating to a piece of electronic equipment or to an enclosure for electronic equipment.

The larger the value of each digit, the greater the protection.

1st Digit	Ingress of solid objects	2nd Digit	Ingress of liquids
No.	Description	No.	Description
0	No protection	0	No protection
1	Protected against solid objects over 50mm e.g.hands, large tools.	1	Protected against vertically falling drops of water or condensation
2	Protected against solid objects over 12.5mm e.g. hands, large tools.	2	Protected against falling drops of water, if the case is disposed up to 15° from vertical.
3	Protected against solid objects over 2.5mm e.g.wire, small tools.	3	Protected against sprays of water from any direction, even if the case is disposed up to 60° from vertical
4	Protected against solid objects over 1.0mm e.g.wires	4	Protected against splash water from any direction.
5	Limited protection against dust ingress. (no harmful deposit)	5	Protected against low pressure water jets from any direction. Limited ingress permitted.
6	Totally protected against dust ingress.	6	Protected against high pressure water jets from any direction. Limited ingress permitted.
7	N/A	7	Protected against short periods of immersion in water.
8	N/A	8	Protected against long, durable periods of immersion in water.
9	N/A	9	Protected against close-range high pressure, high temperature spray downs.

IK Rating

This is an international numeric classification for the degrees of protection provided by enclosures for electrical equipment against external mechanical impacts. It provides a means of specifying the capacity of an enclosure to protect its contents from external impacts.
Impact test characteristics

IK Code	IK00	IK01 to IK05	IK06	IK07	IK08	IK09	IK10
Impact energy (joules)	*	<1	1	2	5	10	20
R mm (radius of striking element)	*	10	10	25	25	50	50
Material	*	Polyamide	Polyamide	Steel	Steel	Steel	Steel
Mass kg	*	0.2	0.5	0.5	1.7	5	5
Pendulum hammer	*	Yes	Yes	Yes	No	No	No
Spring hammer	*	Yes	Yes	Yes	Yes	Yes	Yes
Free fall hammer	*	No	No	Yes	Yes	Yes	Yes

* not protected

Guide Of Catalogue

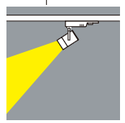
Color : WU / BK / SV LED Color : WW / NW / CW

8

1



5

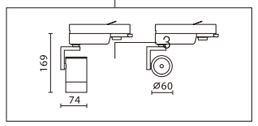


6

LED : CREE LED (COB)
Power : LED14W (350mA)
Input : AC 220-240V
Beam Angle : 15°/24°/30°/40°/50°
Driver Type : built-in
Driver : LCI-14-350-TN
Dimming Type : Trailing edge

SA-8700(C12)/HT4-22JK — 2

3

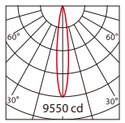
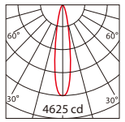
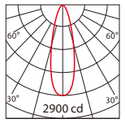
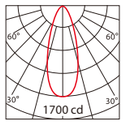
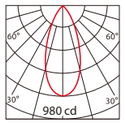




4

AC-8700A
AC-8500A
AC-8200A
Honeycomb
Stripe Glass
Frosted Glass
— 8

7

COB LED		H(m)	D(m)	E(lx) 12°	
		1.0	0.2	9550	
		2.0	0.4	2388	
		3.0	0.6	1061	
COB LED		H(m)	D(m)	E(lx) 20°	
		1.0	0.4	4625	
		2.0	0.9	1156	
		3.0	1.3	514	
COB LED		H(m)	D(m)	E(lx) 30°	
		1.0	0.5	2900	
		2.0	1.1	725	
		3.0	1.6	322	
COB LED		H(m)	D(m)	E(lx) 40°	
		1.0	0.7	1700	
		2.0	1.5	425	
		3.0	2.2	189	
COB LED		H(m)	D(m)	E(lx) 50°	
		1.0	0.9	980	
		2.0	1.9	245	
		3.0	2.8	109	

1 · Product Image

2 · Product Model number

3 · Product Dimension (Unit : mm)

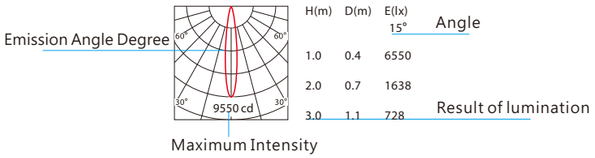
4 · Characteristic Symbol

- Protection Class
- Lamp Symbol
- Max Angle of Rotation
- Max Angle of tilt
- Maximum Wattage
- Cut-out Dimension of Round Hole
- Cut-out Dimension of Square Hole
- Cable Length
- Cut-off Beam Angle

5 · Light Beam Demo

6 · Product Specification

7 · Photometric Curve



8 · Options of Product Surface Treatment and LED Color Temperature

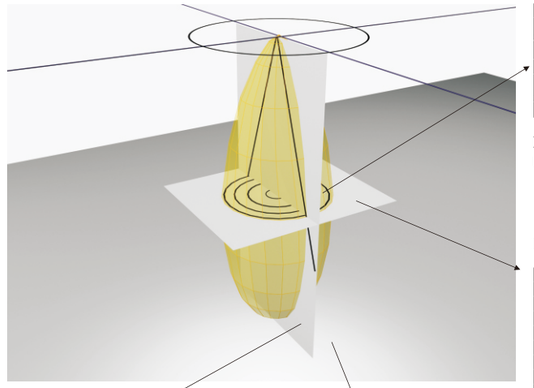
	SY	Silver Gray (RAL 9022)		BK	Black (RAL9005)
	SV	Silver (RAL 9006)		FR	Anodized
	WU	White (RAL 9010)		AB	Brushed, Anodized
	WH	White		ZN	Zinc-Coated

TONS LED Color Temperature

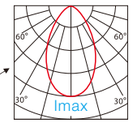
- CW Cold White (CCT:5000K)
- NW Natural White (CCT:4000K)
- WW Warm White (CCT:3000K)

9 · Diagram

Distribution of Luminous Intensity

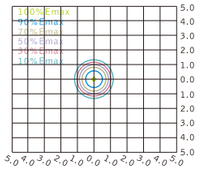


Photometric Curve



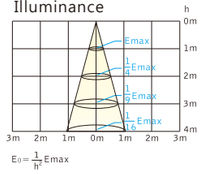
Imax : Central Intensity
Unit : cd

Isolux



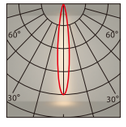
Emax: Illuminance Measure at 1M Away From Light Source.
unit:lx
Emax=Imax

Illuminance

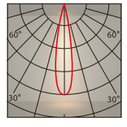


Light Distribution

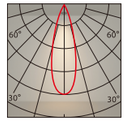




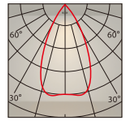
15° Beam Angle



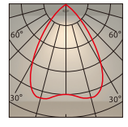
24° Beam Angle



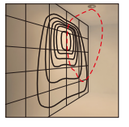
35° Beam Angle



60° Beam Angle



90° Beam Angle



Wallwasher

Model Page

Luminaires for Track

SA-2800(C7)/HT4-413 043
SA-2700(C12)/HT4-413 043
SA-2500(C18)/HT4-413 044
SA-2200(C33)/HT4-413 044
SA-2801(C7)/HT4-413 045
SA-2701(C12)/HT4-413 045
SA-2501(C18)/HT4-413 046
SA-2201(C33)/HT4-413 046
SA-8700-A(C12)/HT4-22JK 049
SA-8500-A(C18)/HT4-BA35 050
SA-8200-A(C33)/HT4-BA70 051
SA-8700-AD(C12)/HT4-22JK 053
SA-8500-AD(C18)/HT4-BA35 054
SA-8200-AD(C33)/HT4-BA70 055
SA-8700-A(C12)/HT4-413 059
SA-8500-A(C18)/HT4-413 060
SA-8200-A(C33)/HT4-413 061
SA-8700-AD(C12)/HT4-413 063
SA-8500-AD(C18)/HT4-413 064
SA-8200-AD(C33)/HT4-413 065
SA-9700A(C12)/HT4-BA40 069
SA-9500A(C18)/HT4-BA60 070
SA-9200A(C33)/HT4-BA80 071
SA-4700B(CL13)/HT4-413 075
SA-4500B(CL19)/HT4-413 076
SH-523C(C33)/HT4-BA70 079
SH-523C-D(C33)/HT4-BA70 079
SH-523C(C40)/HT4-BA70 080
SL-623C(O22)/HT4-413 083
SL-625C(O40)/HT4-413 084

recessed downlights -round

DA-933R(C7) 091
DA-934R(C12) 091
DA-935R(C15) 091
DA-936R(C18) 092
DA-937R(C25) 092
DA-938R(C33) 092
DG-933R(C7) 095
DG-934R(C12) 095
DG-935R(C15) 095
DG-936R(C18) 096
DG-937R(C25) 096
DG-938R(C33) 096
DA-993R(C7) 099
DA-994R(C12) 099
DA-995R(C15) 099
DA-996R(C18) 100
DA-997R(C25) 100
DA-998R(C33) 100
DG-993R(C7) 103
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DG-998R(C33) 104
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DG-984W(C18) 111
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DG-983S(C18) 125
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DW-302Q(O30) 154
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RA-751R(C18) 157
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DL-802T 171
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HD-77(MD-D001) 179
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DL-722B 197
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WA-772B(MD-D001) 211
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PA-115A(O12) 225
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