



INDUSTRIAL & OUTDOOR LIGHTING



www.lighting.co.th



2026 CATALOGUE

Low Bay | High Bay | Floodlight / Spotlight
Canopy | Tunnel | Streetlight | Solar Streetlight
Arealight | Lighting Pole

TYPE OF LED LUMINAIRE

Product range of L&E LED luminaires are divided into 2 categories.
Each category use different LED light sources.

1. Empty luminaires

It is suitable to use with retrofit lamps as of easy maintenance and installation,
but not suitable for some application because its shape or technical term.

The most popular LED light sources for Empty luminaires are as follows:

- **LED-T8**, it become more and more popular to replace T5/T8 fluorescent lamps because low power consumption and low cost as well, but same lumen output as fluorescent lamps. This lamp easy to replace with existing conventional recessed or surface office or industrial luminaires, just replace it (no need to use existing ballast). Anyway, this kind of lamp has different wiring connection. Improper wiring connection may cause problem.

Warning

Please be noted that for the above mentioned lamps, most of them is recommended to use with indoor luminaires except some items indentified that can be used for outdoor applications, but do not recommend to use with totally enclosed luminaires (except some luminaire has enough space for adequate heat dissipation)



2. Completed set luminaires

Driver : Separated or integrated depend on each **luminaire** structure and usage.
The LED light source for completed set luminaires are divided by 2 categories.

- **LED-Module**, it has various shape such as square, circular, rectangular, etc. Moreover, size and shape can be made according to luminaire's supplier. Therefore, luminaire's supplier will design their own designed luminaire in various shape to suit all kind of lighting applications.
- **LED-COB**, it is small size light source, but very powerful so that can be used with small luminaire, but provide high lumen output.



Both of LED-Module and LED-COB can be combined with reflector or lens in order to get different light distribution such as narrow light distribution, asymmetrical light distribution, street lighting distribution, etc.

CRITERIA OF LUMINAIRES

IP code

IEC 60529 : Degrees of protection provided by enclosures

The first number : Degree of protected against Solid foreign objects

-  0 No protection
-  1 Protected against solid foreign objects of 50 mm Ø and greater.
-  2 Protected against solid foreign objects of 12.5 mm Ø and greater.
-  3 Protected against solid foreign objects of 2.5 mm Ø and greater.
-  4 Protected against solid foreign objects of 1.0 mm Ø and greater.
-  5 Dust-protected
-  6 Dust-tight

The second number : Degree of protected against water

-  0 No protection
-  1 Protected against vertically falling water drops.
-  2 Protected against vertically falling water drops when enclosure tilted up to 15°.
-  3 Protected against spraying water at angle up to 60°.
-  4 Protected against splashing water from any direction.
-  5 Protected against water jets from any direction.
-  6 Protected against powerful water jets from any direction.
-  7 Protected against the effects of temporary immersion in water.
-  8 Protected against the effects of continuous immersion in water.



Protection against electric shock

IEC 60598-1 : Classification according to type of protection against electric shock.

-  Class I
Luminaires provided with basic insulation and ground wire connection.
-  Class II
Luminaires provided with double or reinforced insulation, no provision for ground wire connection.
-  Class III
Luminaires suitable for safety extra-low voltage (SELV) power supply (not exceed 50 VAC or 120 VDC).

* Protection against electric shock is also known as luminaires class/ protection class/insulation class.

Correlated Color Temperature (CCT)

ANSI C78.377-2017 : Chromaticity specifications for solid state lighting products (LED products).

Nominal CCT Category (K)	CCT Range (K)
2200	2238 ± 102
2500	2460 ± 120
2700	2725 ± 145
3000	3045 ± 175
3500	3465 ± 245
4000	3985 ± 275
4500	4503 ± 243
5000	5029 ± 283
5700	5667 ± 355
6500	6532 ± 510

* CCT Range is "Target CCT and Tolerance (K)".

IK code

IEC 62262 : Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts.

- IK00 There is no protection.
- IK01 Protected against 0.14 joules of impact (equivalent to the impact of a 0.25kg mass dropped from 56mm above the impacted surface)
- IK02 Protected against 0.2 joules of impact (equivalent to the impact of a 0.25kg mass dropped from 80mm above the impacted surface)
- IK03 Protected against 0.35 joules of impact (equivalent to the impact of a 0.25kg mass dropped from 140mm above the impacted surface)
- IK04 Protected against 0.5 joules of impact (equivalent to the impact of a 0.25kg mass dropped from 200mm above the impacted surface)
- IK05 Protected against 0.7 joules of impact (equivalent to the impact of a 0.25kg mass dropped from 280mm above the impacted surface)
- IK06 Protected against 1 joules of impact (equivalent to the impact of a 0.25kg mass dropped from 400mm above the impacted surface)
- IK07 Protected against 2 joules of impact (equivalent to the impact of a 0.5kg mass dropped from 400mm above the impacted surface)
- IK08 Protected against 5 joules of impact (equivalent to the impact of a 1.7kg mass dropped from 300mm above the impacted surface)
- IK09 Protected against 10 joules of impact (equivalent to the impact of a 5kg mass dropped from 200mm above the impacted surface)
- IK10 Protected against 20 joules of impact (equivalent to the impact of a 5kg mass dropped from 400mm above the impacted surface)

LED Lifetime

The lifetime of a LED (LED chip, LED module, LED COB) is defined as the time it takes until its light output, or lumen maintenance reach 70% of the initial output (L70).

Lamp Lifetime

Lamp (Retrofit lamp) lifetime is not the same meaning of LED lifetime, because of there are many other components that are used included driver, optic, mechanical fixing and housing.

Then, the lifetime of lamp (Retrofit lamp) is determined by considering "Time to 70% lumen maintenance of lamp (Retrofit lamp)" and "Lifetime of components".

Luminaire Lifetime

Luminaire lifetime is not the same meaning of LED lifetime, because of there are many other components that are used included driver, optic, mechanical fixing and housing.

Then, the lifetime of luminaire is determined by considering "Time to 70% lumen maintenance of luminaire" and "Lifetime of components".

LED Output

It is the luminous flux come out from LED (LED module, LED COB) in every direction and gather in total in term of lumen. Normally, this value is specified by LED Manufacturer.

Lamp Output

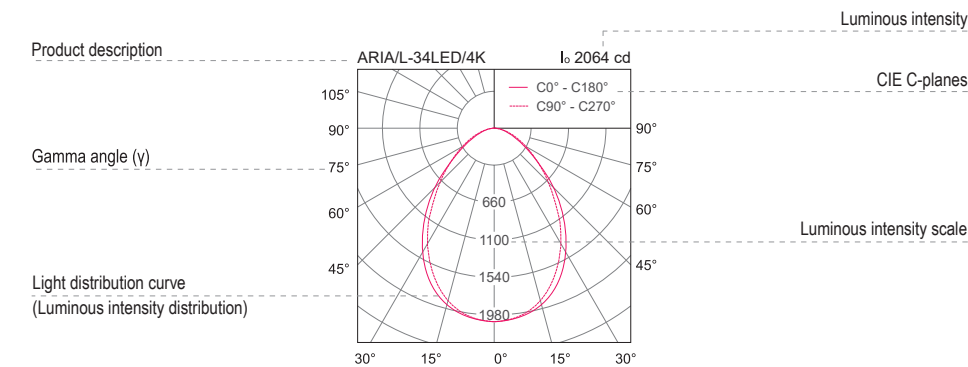
It is the luminous flux come out from lamp (Retrofit lamp) in every direction and gather in total in term of lumen.

Luminaire Output

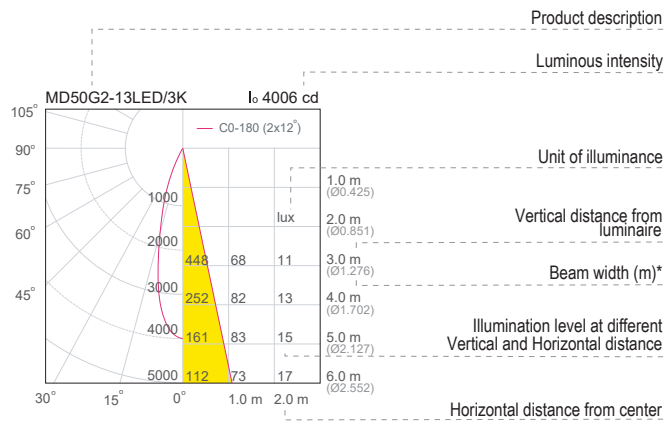
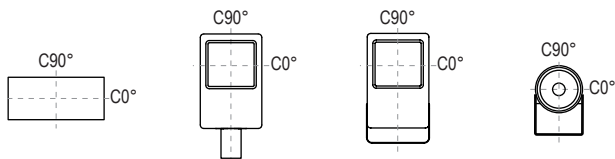
It is the luminous flux come out from luminaire in every direction and gather in total in term of lumen.

Normally, it is not equal to Lamp Output caused of there are many factor when fit lamp (Retrofit lamp) in luminaire, such as reflector, lens, housing, etc. These parts will effect or distort lumen output from lamp (Retrofit lamp).

Photometric data



Remark : Relative position of luminaire to the co-ordinate system.



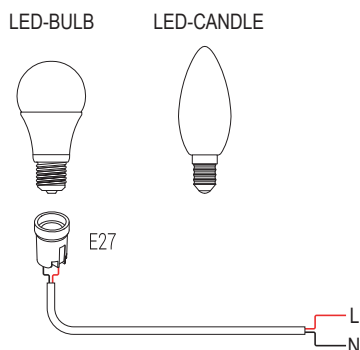
Remark : Beam width (m) is diameter of beam angle at different vertical distance.

Particular symbol

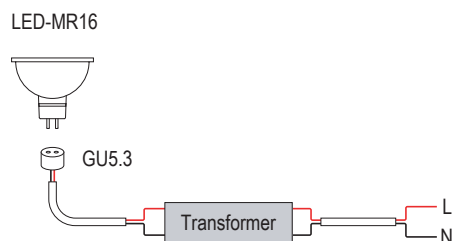
- Ceiling or wall, cutout for round recessed luminaire
- Ceiling or wall, cutout for square recessed luminaire
- Vertical adjustment from 0° to 30°
- Horizontal adjustment from 0° to 358°
- Two axis adjustment from 0° to 30°

WIRING Diagram

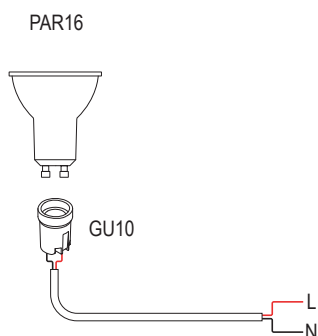
LED-BULB



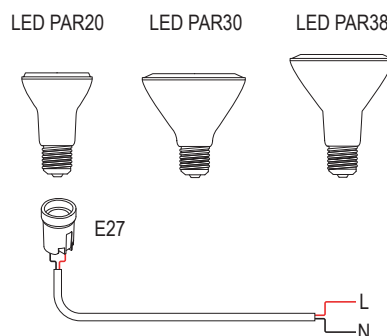
LED-MR16



LED PAR16



LED PAR20/30/38

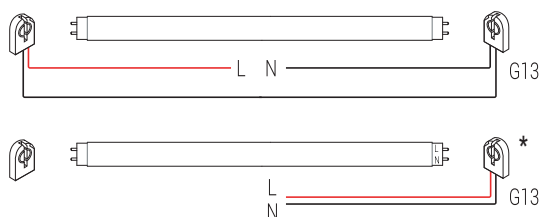


LED-T8

LED-T8 Double ended



LED-T8 Single ended



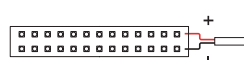
* Please make sure to put the lamp on the right side (L, N)

Remark

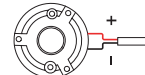
In Thailand the power system is 220V, 50Hz for other countries may difference.

LED-MODULE/LED-COB

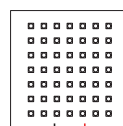
LINEAR MODULE



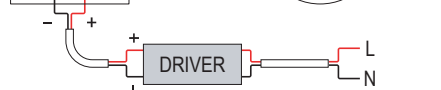
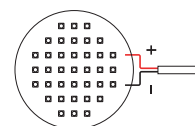
LED-COB



SQUARE MODULE



CIRCLE MODULE



GUIDE TO CATALOGUE

1. Product category

2. Product model

3. Brand name

4. Product information

6. Typical
Product description

7. Total input power.
Or retrofit lamp power in case of empty luminaire

5. Dimension
in mm.

LED Floodlight / Spotlight

L&E

TIS FLL221/S

Application

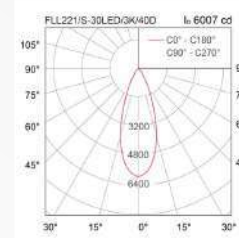
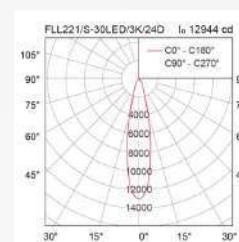
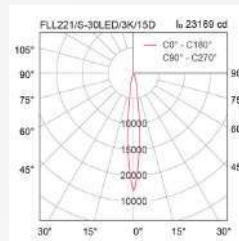
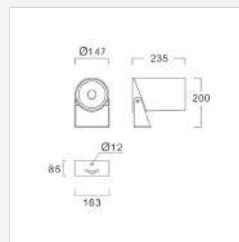
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	163x235x200 mm.
Mounting	Surface
Power	30W
Light Source	LED-COB
Colour Temperature	3000/4000K
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	Built-in driver
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.
Equivalent	MH 70W

Ordering Data

Model	Watt
FLL221/S/BK-30LED	30W



Accessories



Lighting and Equipment Public Company Limited

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9. Related products :
Accessories for this product.

8. Photometric data
(IES file is available)

GUIDE TO ORDER

Page no.	Typical product description				Additional product description		
	Model	Model's detail	Power	Lamp type	Color Temperature	Light Distribution	Other
7	HBL791	/WH	-XX	LED	/XXK	/XXD	-XXX
20	FLL211/S	/BK	-XX	LED	/XXK	/XXD	Specified by
70	SLL435	/GY	-XX	LED	/XXK	/SLX*	Company

The above samples identify " Typical product description " only

Full of product description comprised of "Typical product description "+ Additional product description

*Model no. of LED lens

Low/High Bay

If customer would like to order luminaire model **HBL791 with white color housing, 200W, LED, 5700K and 90 degree beam angle**

The full name is " **HBL791/WH-200LED/5.7K/90D-XXXX**"



HBL270



HBL791



HBL711



HBL701

Floodlight

The luminaires have various of power, color temperature (CCT) and light distribution in case customer would like to order

model **FLL211/S with black color housing, 14W, LED, 3000K and 24 degree beam angle**

The full name is " **FLL211/S/BK-14LED/3K/24D-XXXX** "



FLL211/S



FLL211/B



FLL436



FLL465

Streetlight/Arealight

The luminaires have various of power, color temperature (CCT) and light distribution in case customer would like to order

model **SLL435 with grey color housing, 55W, LED, 5700K and SL8 lens**

The full name is " **SLL435/GY-55LED/5.7K/SL8-XXXX** "



SLL221



SLL435



ARL511



SLL302

CONTENT

Industrial Lighting

Low / High Bay

Low Bay Luminaires	1
High Bay Luminaires	2-8

Outdoor Lighting

Floodlight

Floodlight Luminaires	9-57
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Canopy / Streetlight / Arealight

Canopy Luminaires	58-63
Streetlight Luminaires	64-71
Solar Streetlight Luminaires	72-77
Arealight Luminaires	78-83
Lighting Poles	84-87



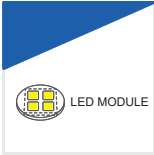


Industrial Lighting

Low / High Bay

Indoor Lighting (Low/High Bay)

Low Bay Luminaire



LBL270 (40W)

High Bay Luminaires



HBL710 (80W)



HBL711 (130W)



HBL712 (200W)



HBL701 (80/130W)



HBL702 (200W)



HBL791 (200W)



HBL882 (80/130/200W)

LED Low Bay



LBL270

Application

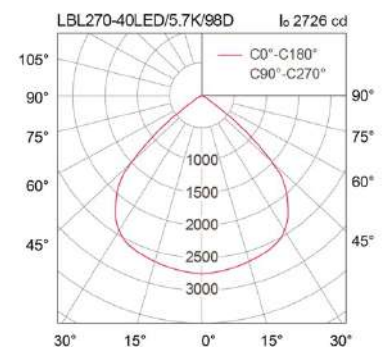
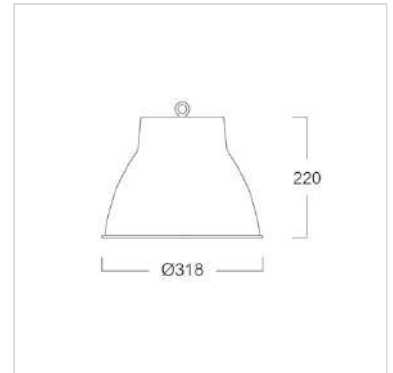
Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, convenience stores, retail shops, garages, warehouses, storage areas, maintenance areas, production areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in black
Reflector	Painted aluminium
Dimension	Dia.318x220 mm.
Mounting	Hook or chain suspension
Power	40W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	80
Luminaire Output	5600 lm
Beam Angle	98 degree
Control Gear	Built-in driver
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	20
Luminaire Lifetime	50,000 hrs

Ordering Data

Model	Watt
LBL270/BK-40LED	40W



LED High Bay



HBL710

Application

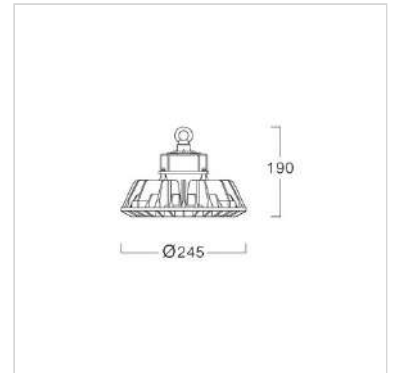
Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, convenience stores, retail shops, garages, warehouses, storage areas, maintenance areas, production areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	Dia.245x190 mm.
Mounting	Hook or chain suspension
Power	80W
Light Source	LED Module
Colour Temperature	5700/6500K (3000/4000K as optional)
CRI	80
Luminaire Output	12800 lm
Beam Angle	90 degree
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	65
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
HBL710/BK-80LED	80W



Accessories



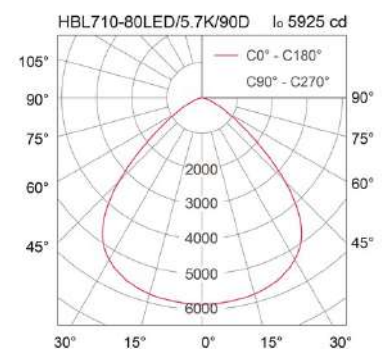
Black aluminium reflector



Polycarbonate reflector



U-bracket



LED High Bay



HBL711

Application

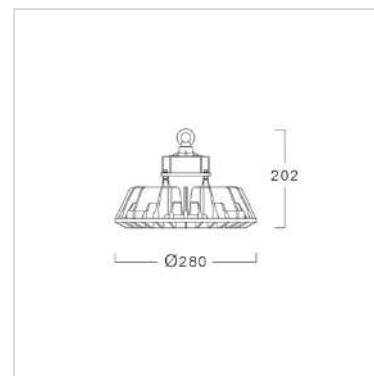
Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, convenience stores, retail shops, garages, warehouses, storage areas, maintenance areas, production areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	Dia.280x200 mm.
Mounting	Hook or chain suspension
Power	130W
Light Source	LED Module
Colour Temperature	5700/6500K (3000/4000K as optional)
CRI	80
Luminaire Output	20800 lm
Beam Angle	90 degree
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	65
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
HBL711/BK-130LED	130W



Accessories



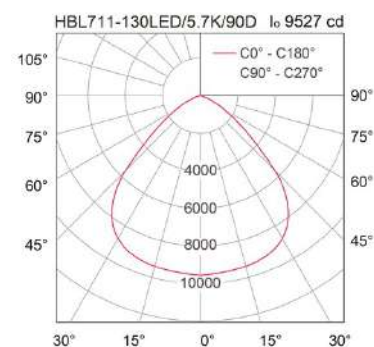
Black aluminium reflector



Polycarbonate reflector



U-bracket



LED High Bay



HBL712

Application

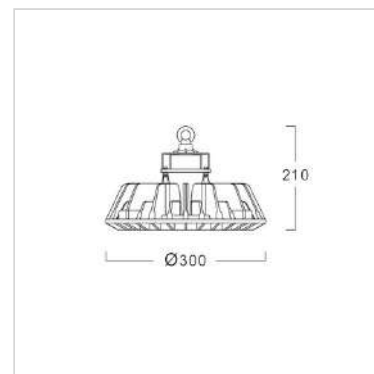
Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, convenience stores, retail shops, garages, warehouses, storage areas, maintenance areas, production areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	Dia.300x210 mm.
Mounting	Hook or chain suspension
Power	200W
Light Source	LED Module
Colour Temperature	5700/6500K (3000/4000K as optional)
CRI	80
Luminaire Output	32000 lm
Beam Angle	90 degree
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	65
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
HBL712/BK-200LED	200W



Accessories



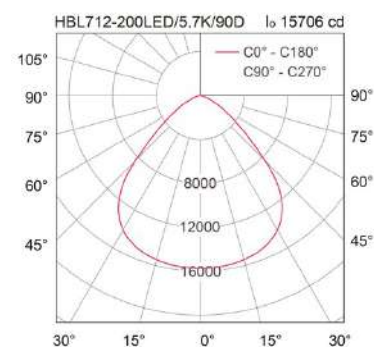
Black aluminium reflector



Polycarbonate reflector



U-bracket



LED High Bay



HBL701

Application

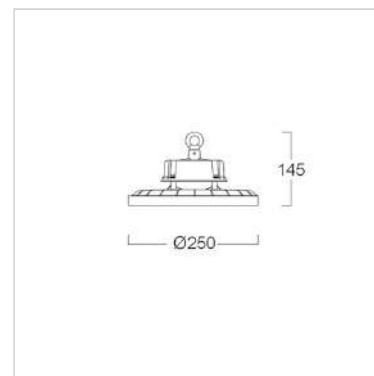
Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, convenience stores, retail shops, garages, warehouses, storage areas, maintenance areas, production areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	Dia.250x145 mm.
Mounting	Hook or chain suspension
Power	80/130W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	80
Luminaire Output	80W : 12000 lm 130W : 19500 lm
Beam Angle	90 degree
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	65
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
HBL701/BK-80LED	80W
HBL701/BK-130LED	130W



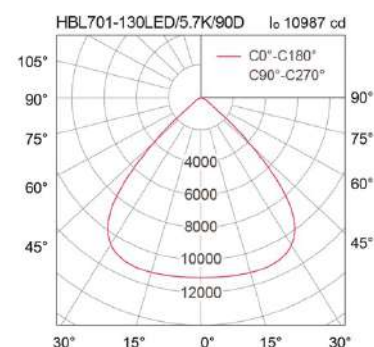
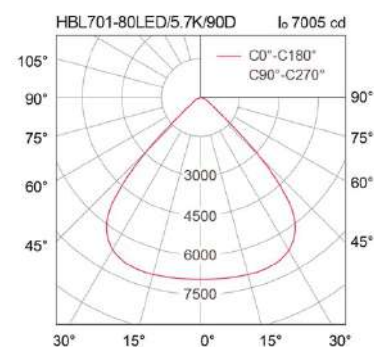
Accessories



Acrylic reflector



Acrylic front cover



LED High Bay



HBL702

Application

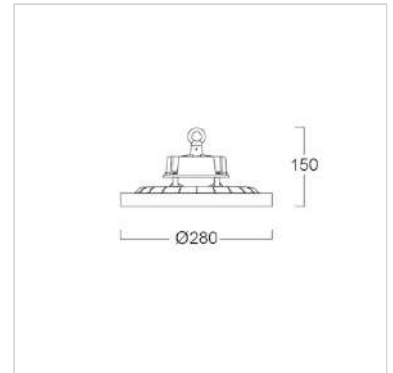
Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, convenience stores, retail shops, garages, warehouses, storage areas, maintenance areas, production areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	Dia.280x150 mm.
Mounting	Hook or chain suspension
Power	200W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	80
Luminaire Output	30000 lm
Beam Angle	90 degree
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	65
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
HBL 702/BK-200LED	200W



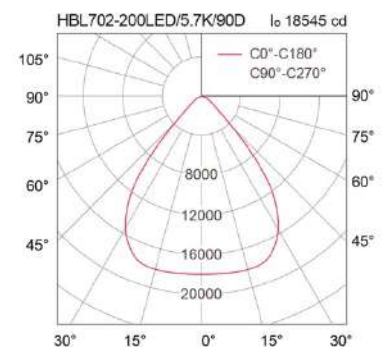
Accessories



Acrylic reflector



Acrylic front cover



LED High Bay



HBL791

Application

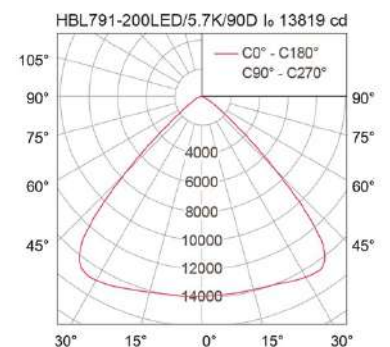
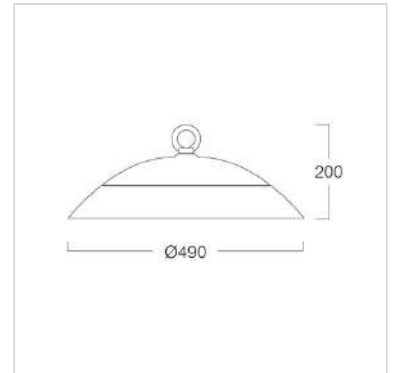
Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, convenience stores, retail shops, garages, warehouses, storage areas, maintenance areas, production areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in white
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	Dia.490x200 mm.
Mounting	Hook or chain suspension
Power	200W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	80
Luminaire Output	29000 lm
Beam Angle	90 degree
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	65
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
HBL791/WH-200LED	200W



HBL882

Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, convenience stores, retail shops, garages, warehouses, storage areas, maintenance areas, production areas, etc.

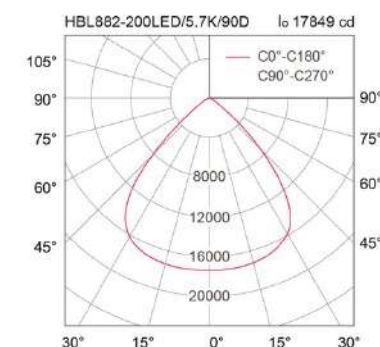
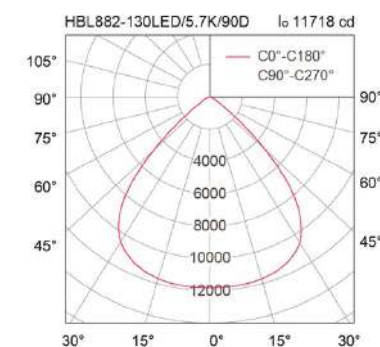
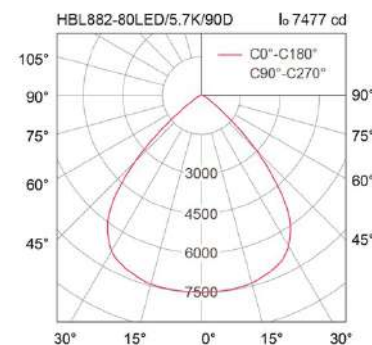
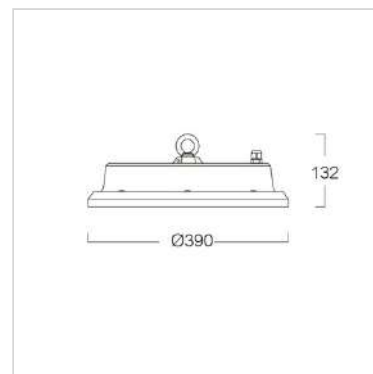
Specification

Housing	Die-cast aluminium
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	Dia.390x132 mm.
Mounting	Hook or chain suspension
Power	80/130/200W
Light Source	LED Module
Colour Temperature	3000/4000/5700/6500K
CRI	80
Luminaire Output	80W : 12800 lm 130W : 20800 lm 200W : 32000 lm

Beam Angle	90 degree
UGR	19 (Low-glare optic design)
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
Standard	NSF
IP Rating	65
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
HBL882/BK-80LED	80W
HBL882/BK-130LED	130W
HBL882/BK-200LED	200W





Outdoor Lighting

Floodlight

Outdoor Lighting (Floodlight/Spotlight)

Floodlight Luminaires



FLL601 (5W)



FLL611 (16W)



FLL621 (32W)



FLL201/S (5W)



FLL201/B (5W)



FLL201/S/GS (5W)



(5W)



(5W)



FLL201/C (5W)



FLL201/A/GS (5W)



FLL201/C/GS (5W)



FLL211/S (14W)



FLL211/B (14W)



FLL211/S/GS (14W)



(14W)



FLL211/A (14W)



FLL211/C (14W)



FLL211/A/GS (14W)



FLL211/C/GS (14W)



FLL211/P (14W)



FLL211/P/GS (14W)



(28W)



FLL221/B (28W)



FLL221/S/GS (28W)



FLL221/B/GS (28W)



FLL221/A (28W)



FLL221/C (28W)



FLL221/A/GS (28W)



(28W)



FLL221/P (28W)



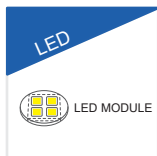
FLL221/P/GS (28W)



FLL231/S (50/70W)



FLL231/B (50/70W)



FLL90 (30/50W)



FLL91 (70W)



FLL92 (100W)



FLL93 (130W)



FLL94 (200/230W)



FLL95 (300W)



FLL96 (400W)



FLL435 (55/70/105W)



FLL437 (130W)



FLL436 (195W)



FLL453 (400W)



FLL454 (550W)



FLL460 (250W)



FLL461 (500W)



FLL470 (1000W)



FLL465 (1500W)

LED Floodlight / Spotlight



FLL601

Application

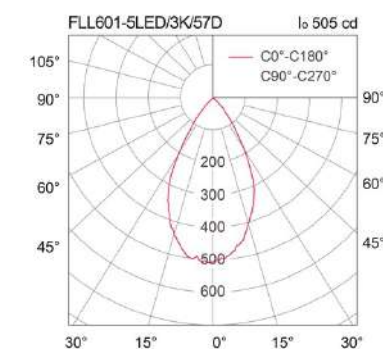
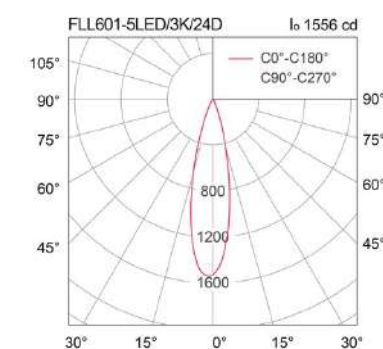
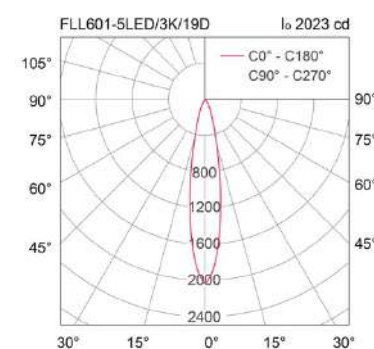
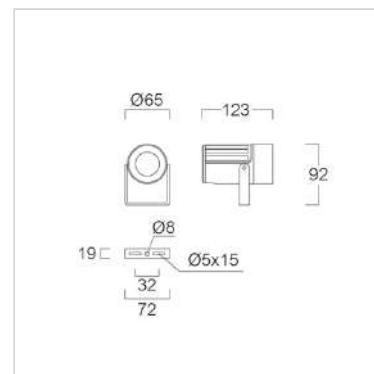
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	72x123x92 mm.
Mounting	Surface
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	90
Luminaire Output	345 lm
Beam Angle	19/24/57 degree
Control Gear	220-240VAC, 50Hz : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10V (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.5
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

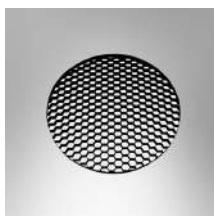
Model	Watt
FLL601/BK-5LED	5W
FLL601/BK-5LED/24VDC	5W



Accessories



Glare shield



Honeycomb



Tree strap

LED Floodlight / Spotlight



FLL611

Application

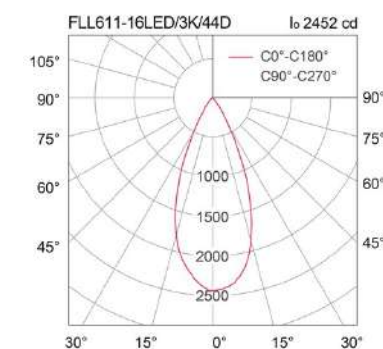
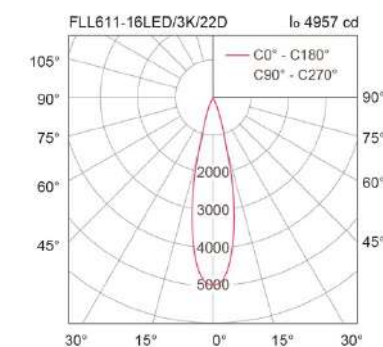
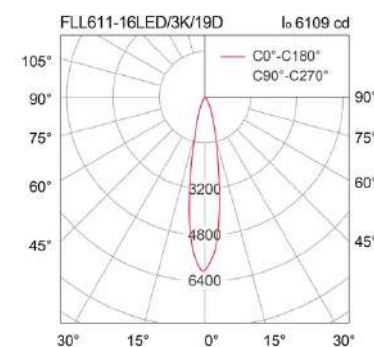
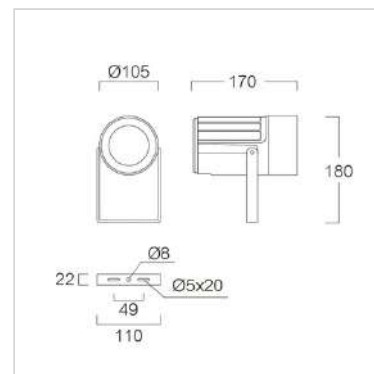
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Specification

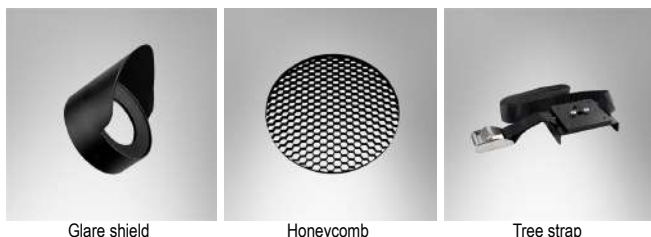
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	110x170x180 mm.
Mounting	Surface
Power	16W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	90
Luminaire Output	960 lm
Beam Angle	19/22/44 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10V (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.5
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL611/BK-16LED	16W
FLL611/BK-16LED/24VDC	16W



Accessories



Glare shield

Honeycomb

Tree strap

LED Floodlight / Spotlight



FLL621

Application

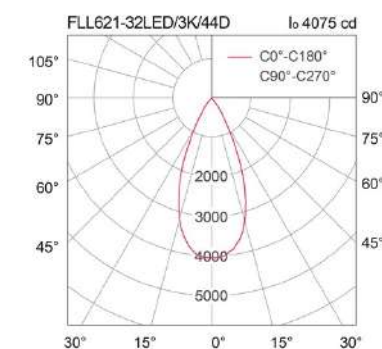
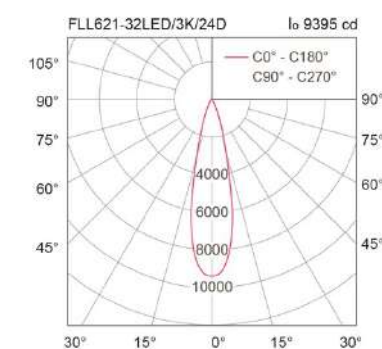
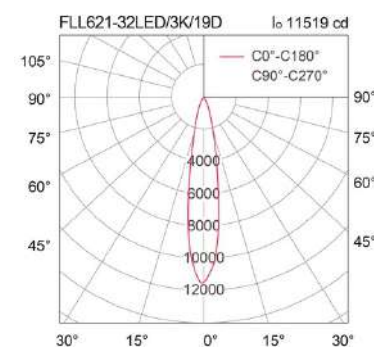
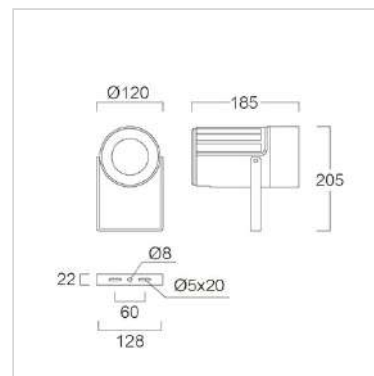
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

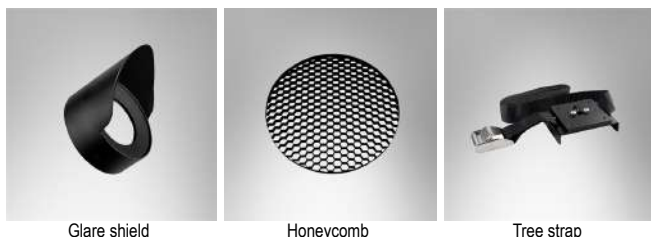
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	128x185x205 mm.
Mounting	Surface
Power	32W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	90
Luminaire Output	2050 lm
Beam Angle	19/24/44 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10V (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL621/BK-32LED	32W
FLL621/BK-32LED/24VDC	32W



Accessories



LED Floodlight / Spotlight



FLL201/S

Application

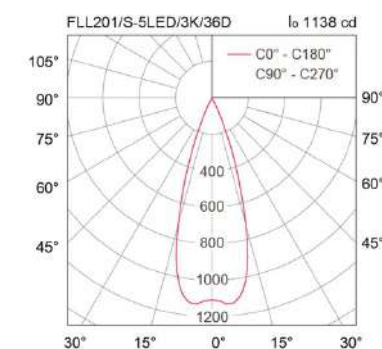
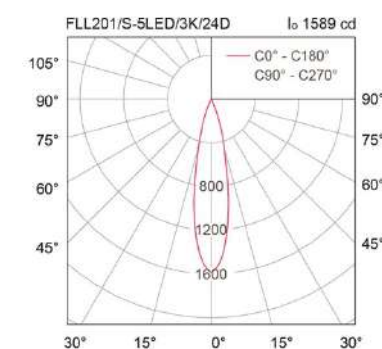
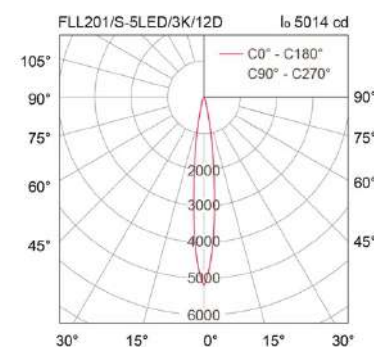
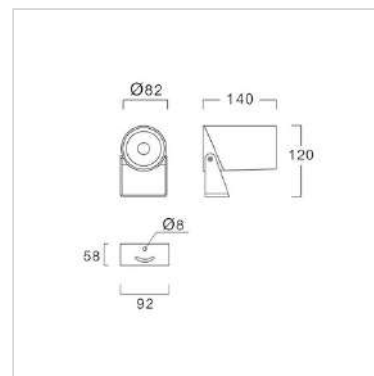
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	92x140x120 mm.
Mounting	Surface
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	360 lm
Beam Angle	12/24/36 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.35
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL201/S/BK-5LED	5W
FLL201/S/BK-5LED/24VDC	5W



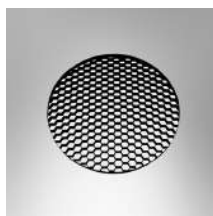
Accessories



Ground spike



Tree strap



Honeycomb

LED Floodlight / Spotlight



FLL201/B

Application

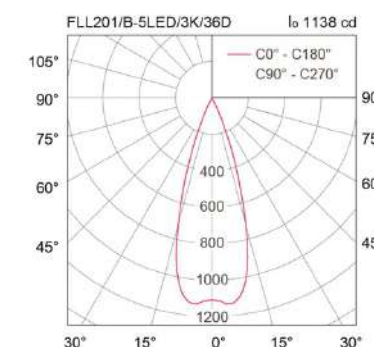
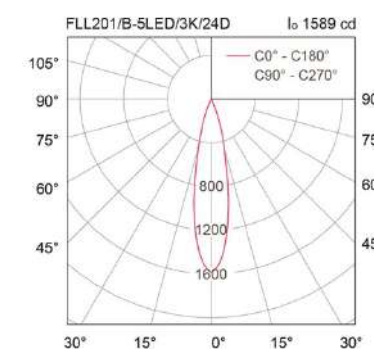
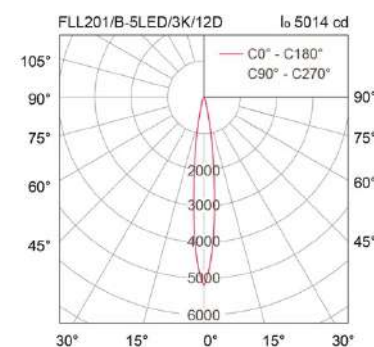
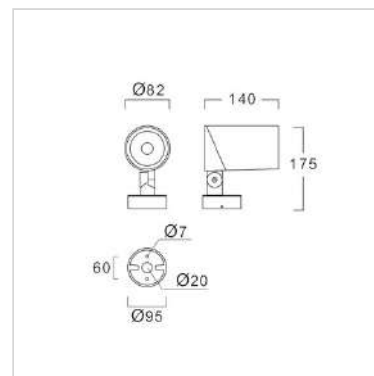
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

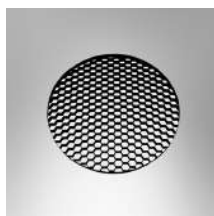
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	95x140x175 mm.
Mounting	Surface
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	360 lm
Beam Angle	12/24/36 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.35
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL201/B/BK-5LED	5W
FLL201/B/BK-5LED/24VDC	5W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL201/S/GS

Application

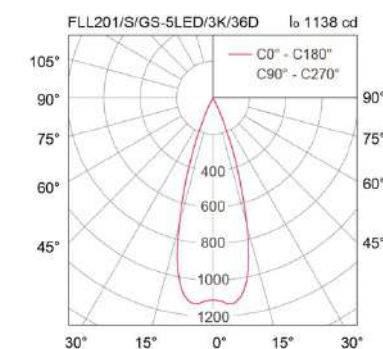
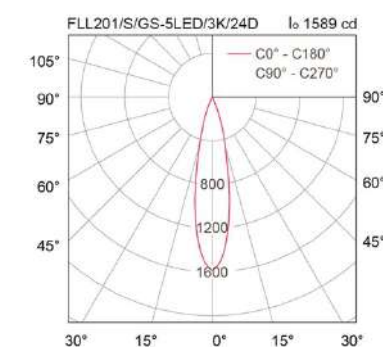
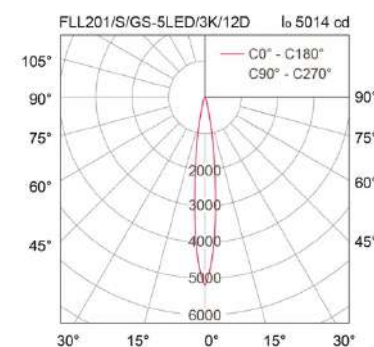
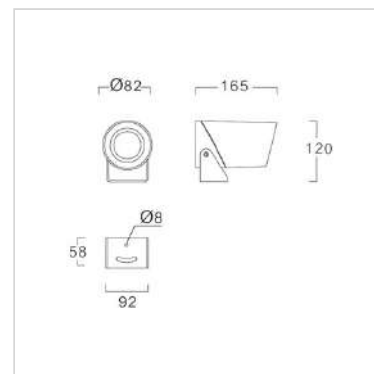
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	92x165x120 mm.
Mounting	Surface
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	360 lm
Beam Angle	12/24/36 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.35
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL201/S/GS/BK-5LED	5W
FLL201/S/GS/BK-5LED/24VDC	5W



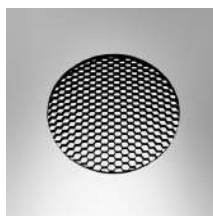
Accessories



Ground spike



Tree strap



Honeycomb

LED Floodlight / Spotlight



FLL201/B/GS

Application

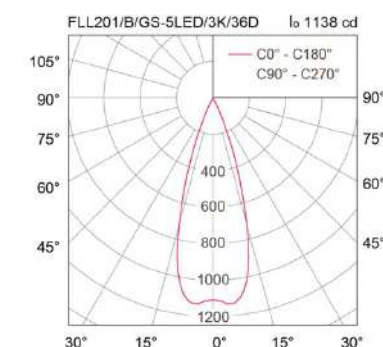
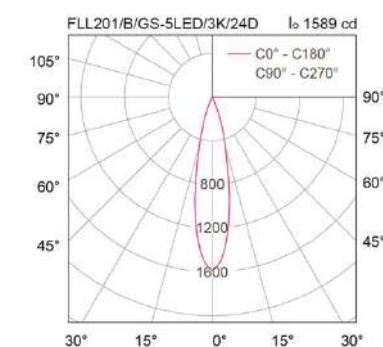
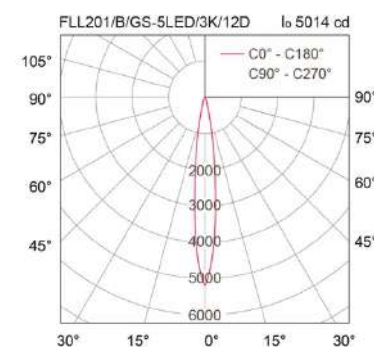
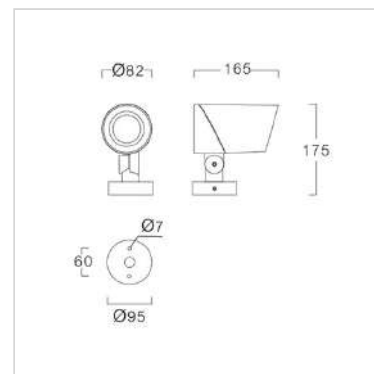
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

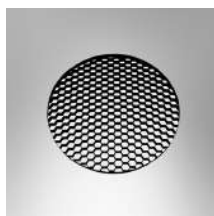
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	95x165x175 mm.
Mounting	Surface
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	360 lm
Beam Angle	12/24/36 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.35
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL201/B/GS/BK-5LED	5W
FLL201/B/GS/BK-5LED/24VDC	5W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL201/A

Application

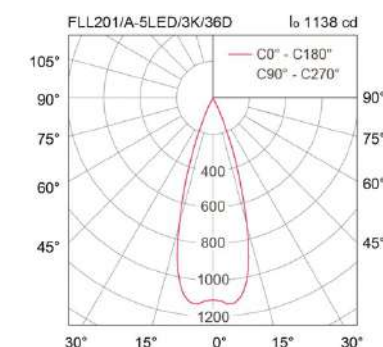
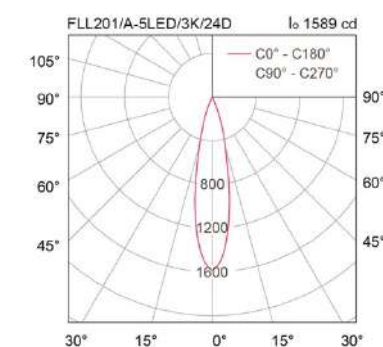
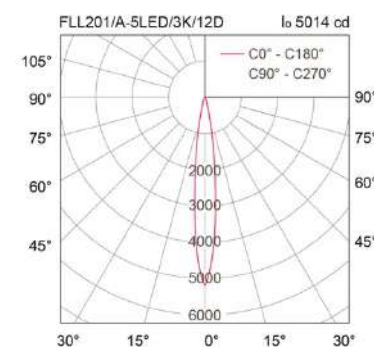
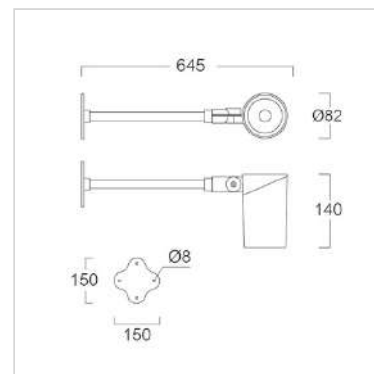
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Specification

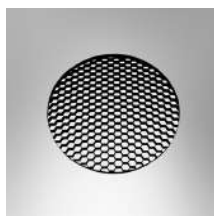
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	82x645x140 mm.
Mounting	Surface
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	360 lm
Beam Angle	12/24/36 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.35
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL201/A/L0.45/BK-5LED	5W
FLL201/A/L0.45/BK-5LED/24VDC	5W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL201/C

Application

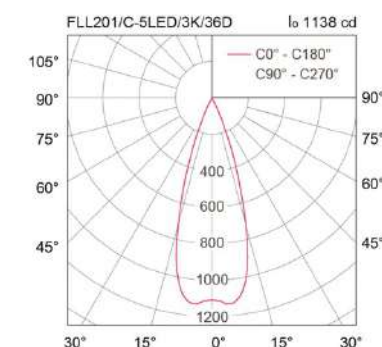
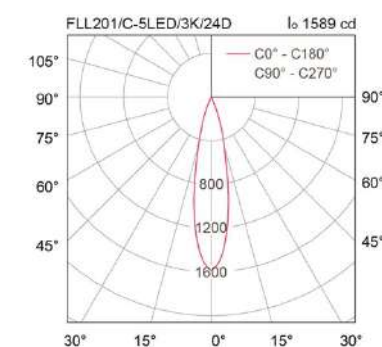
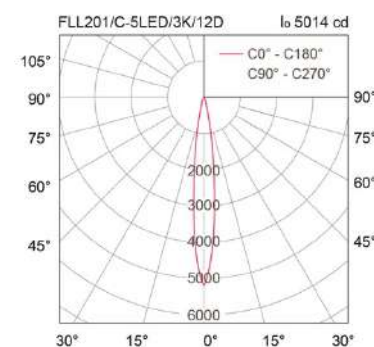
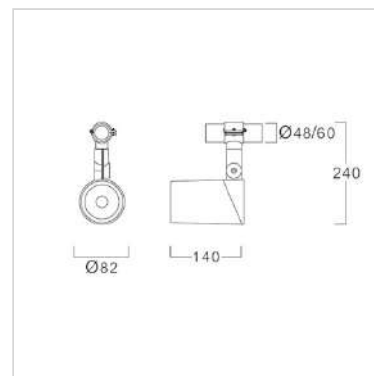
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Specification

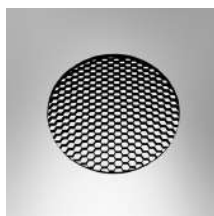
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	82x140x240 mm.
Mounting	Clamp with pipe (OD 48/60 mm.)
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	360 lm
Beam Angle	12/24/36 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.35
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL201/C/BK-5LED	5W
FLL201/C/BK-5LED/24VDC	5W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL201/A/GS

Application

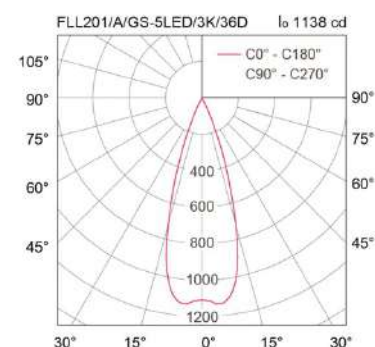
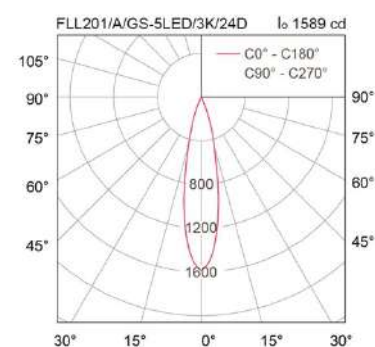
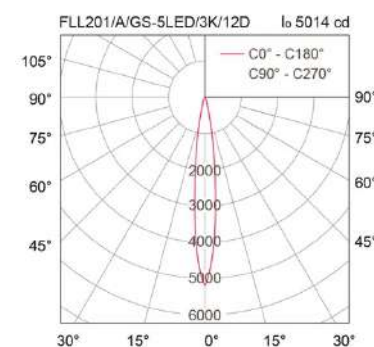
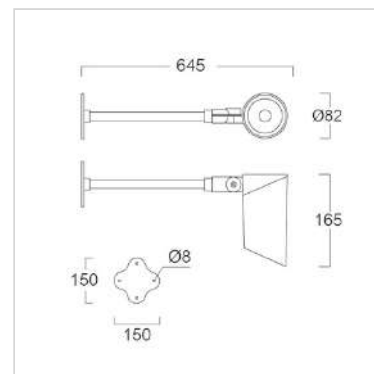
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

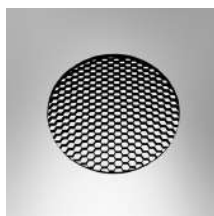
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	82x645x165 mm.
Mounting	Surface
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	360 lm
Beam Angle	12/24/36 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.35
Insulation Class	220-240VAC : Class I 24VDC : Class III
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL201/A/GS/L0.45/BK-5LED	5W
FLL201/A/GS/L0.45/BK-5LED/24VDC	5W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL201/C/GS

Application

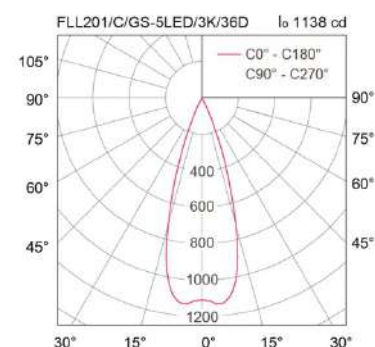
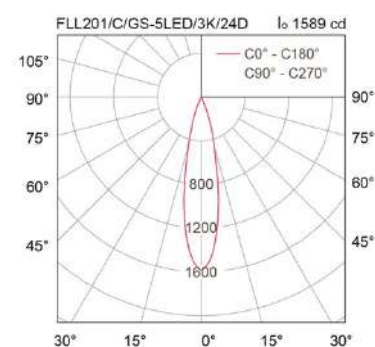
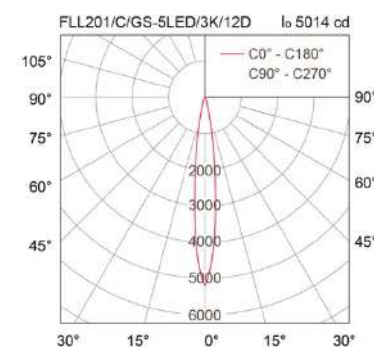
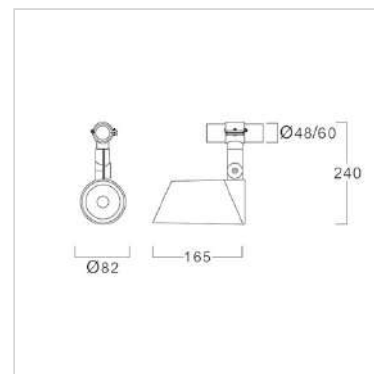
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

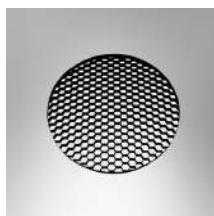
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	82x165x240 mm.
Mounting	Clamp with pipe (OD 48/60 mm.)
Power	5W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	360 lm
Beam Angle	12/24/36 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.35
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	30,000 hrs.

Ordering Data

Model	Watt
FLL201/C/GS/BK-5LED	5W
FLL201/C/GS/BK-5LED/24VDC	5W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL211/S

Application

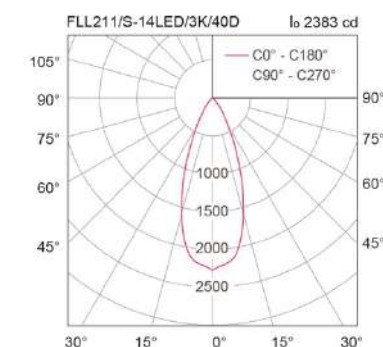
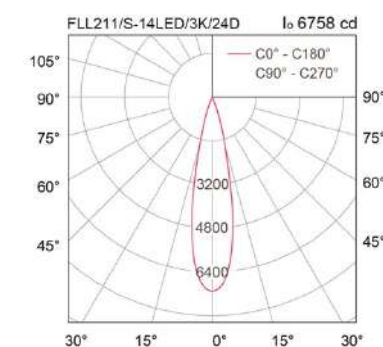
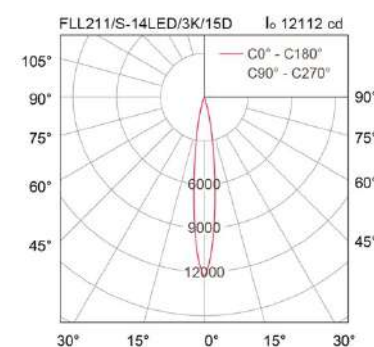
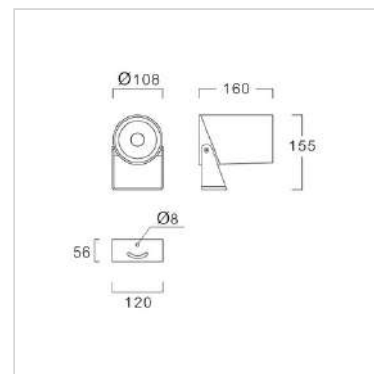
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	120x160x155 mm.
Mounting	Surface
Power	14W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.9
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL211/S/BK-14LED	14W
FLL211/S/BK-14LED/24VDC	14W



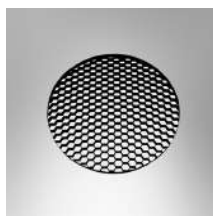
Accessories



Ground spike



Tree strap



Honeycomb

LED Floodlight / Spotlight



FLL211/B

Application

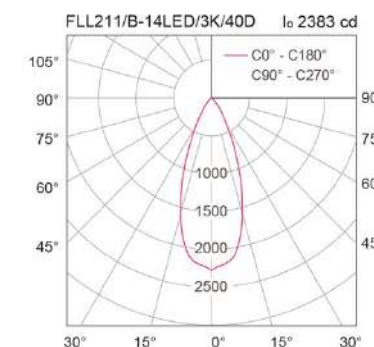
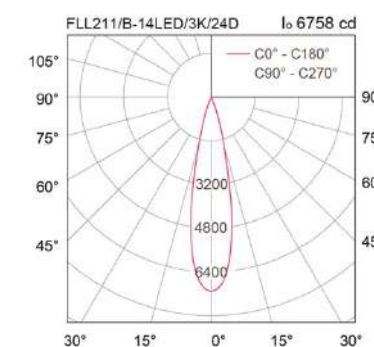
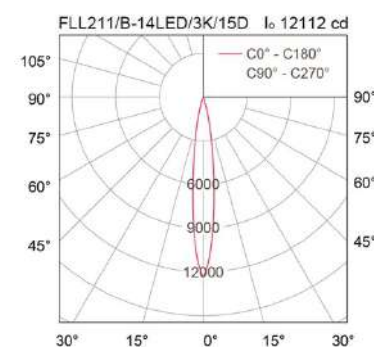
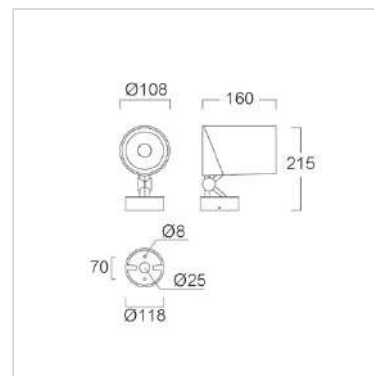
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

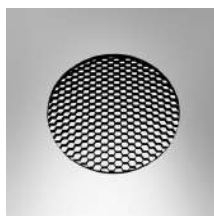
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	118x160x215 mm.
Mounting	Surface
Power	14W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.9
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL211/B/BK-14LED	14W
FLL211/B/BK-14LED/24VDC	14W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL211/S/GS

Application

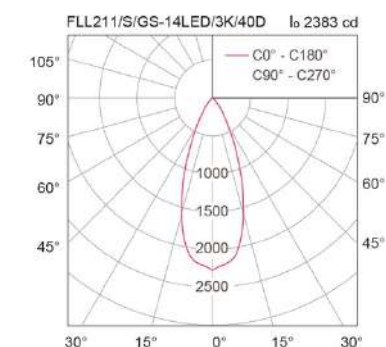
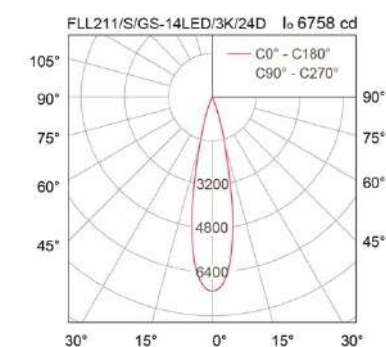
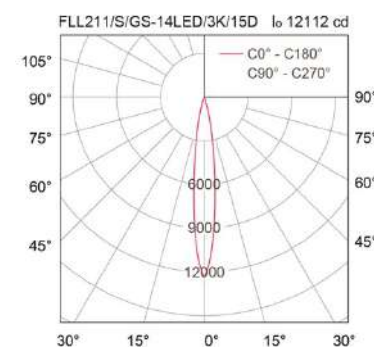
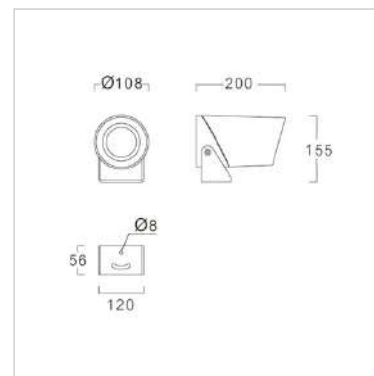
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	120x200x155 mm.
Mounting	Surface
Power	14W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.9
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL211/S/GS/BK-14LED	14W
FLL211/S/GS/BK-14LED/24VDC	14W



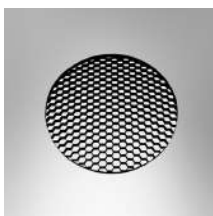
Accessories



Ground spike



Tree strap



Honeycomb

LED Floodlight / Spotlight



FLL211/B/GS

Application

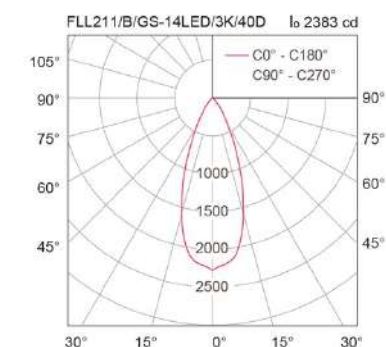
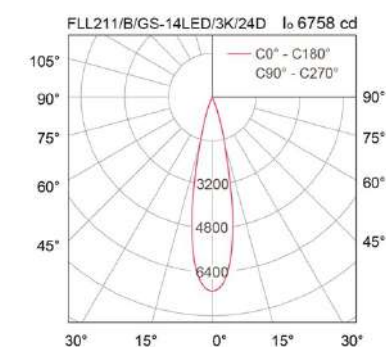
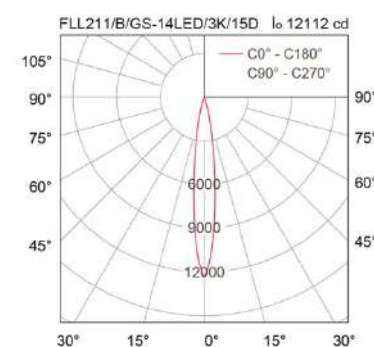
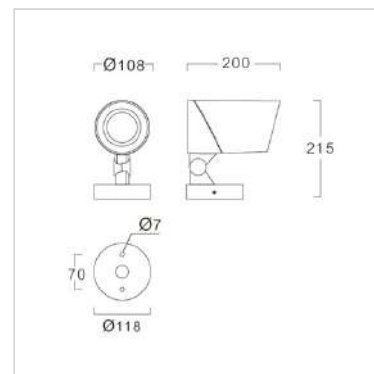
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

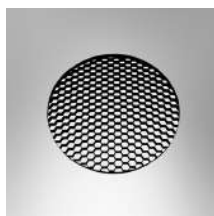
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	118x200x215 mm.
Mounting	Surface
Power	14W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.9
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL211/B/GS/BK-14LED	14W
FLL211/B/GS/BK-14LED/24VDC	14W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL211/A

Application

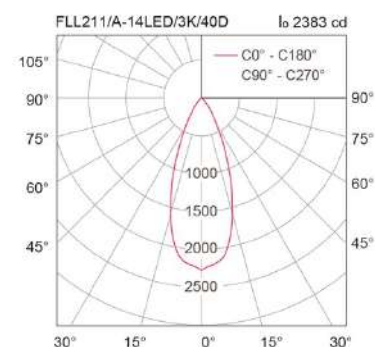
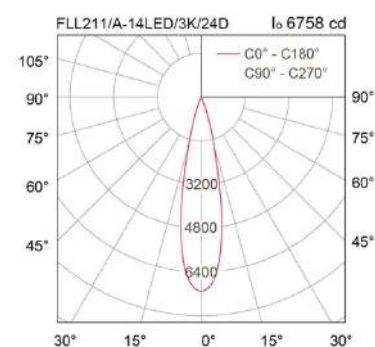
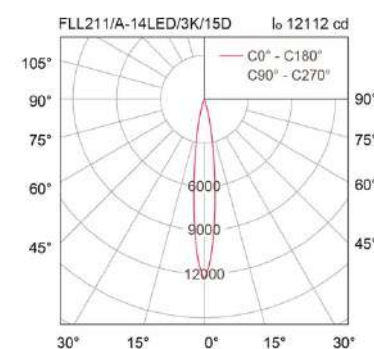
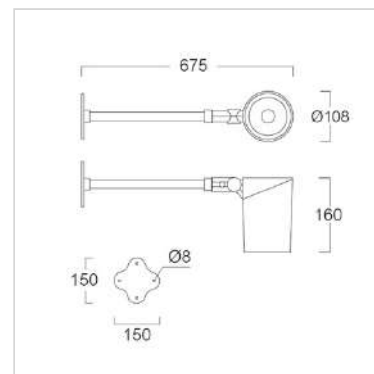
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

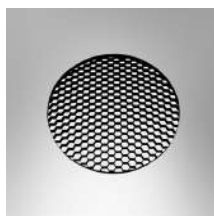
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	108x675x160 mm.
Mounting	Surface
Power	14W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.9
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL211/A/L0.45/BK-14LED	14W
FLL211/A/L0.45/BK-14LED/24VDC	14W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL211/C

Application

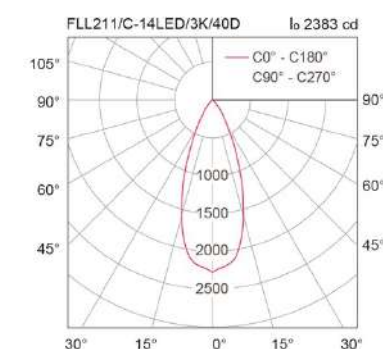
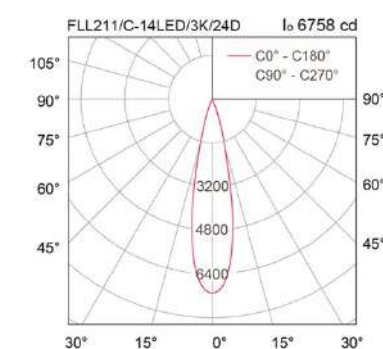
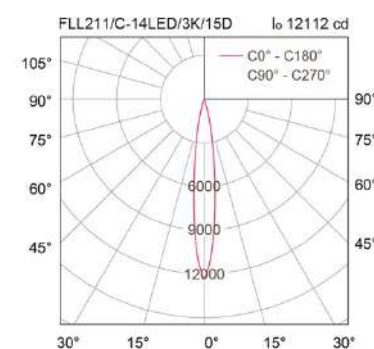
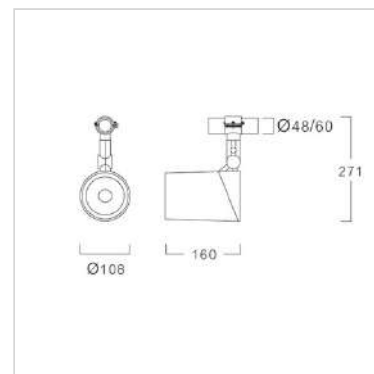
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

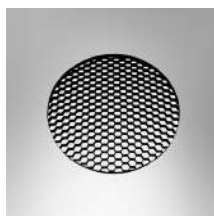
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	108x160x271 mm.
Mounting	Clamp with pipe (OD 48/60 mm.)
Power	14W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.9
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL211/C/BK-14LED	14W
FLL211/C/BK-14LED/24VDC	14W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL211/A/GS

Application

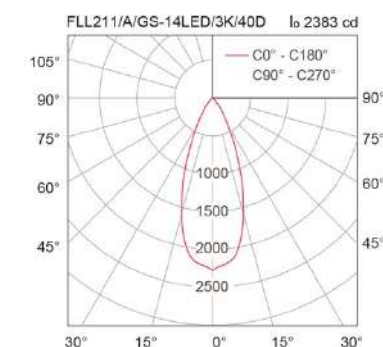
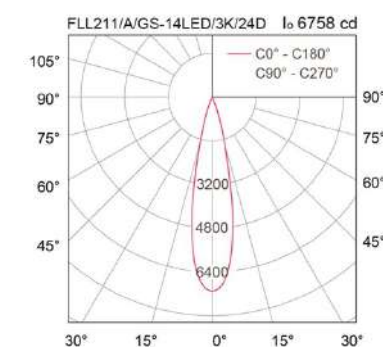
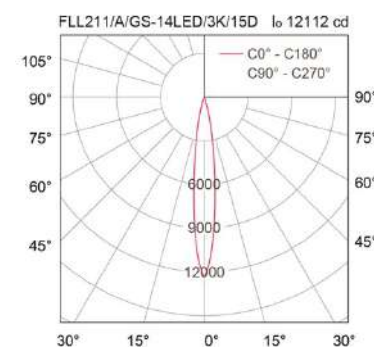
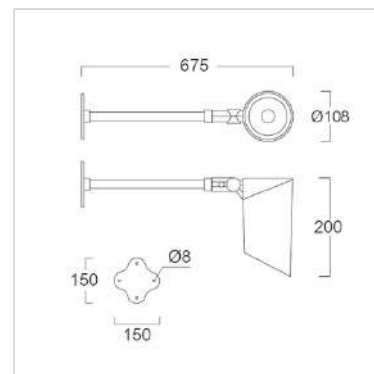
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

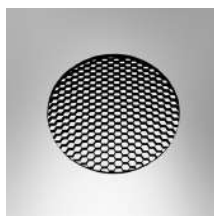
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	108x675x200 mm.
Mounting	Surface
Power	14W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.9
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL211/A/GS/L0.45/BK-14LED	14W
FLL211/A/GS/L0.45/BK-14LED/24VDC	14W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL211/C/GS

Application

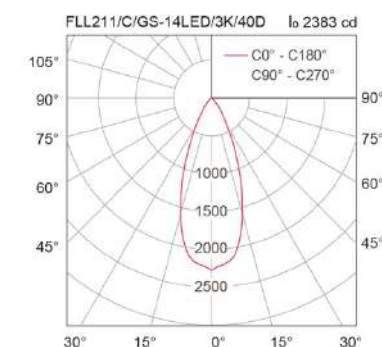
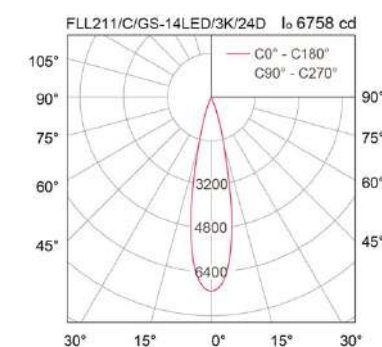
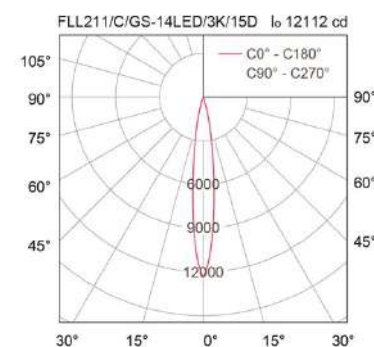
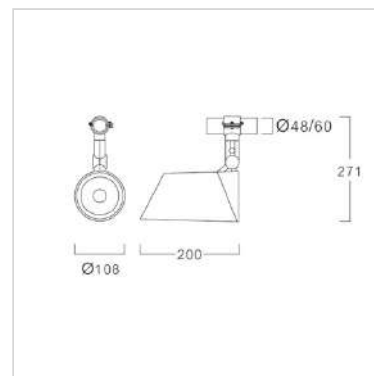
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

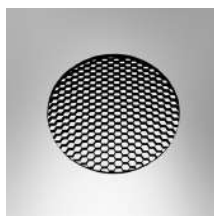
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	108x200x271 mm.
Mounting	Clamp with pipe (OD 48/60 mm.)
Power	14W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.9
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL211/C/GS/BK-14LED	14W
FLL211/C/GS/BK-14LED/24VDC	14W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL211/P

Application

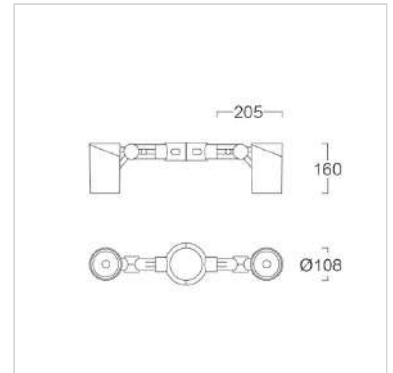
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

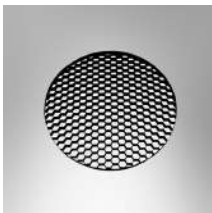
Housing	Die-cast aluminium with zinc coated steel pole
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	108x160x205 mm.
Mounting	On 6m. height pole (OD 101mm.)
Power	14W (x4,6 sets)
Light Source	LED Module
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm (x4,6 sets)
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.90
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
4x FLL211/P/H6.0/BK-14LED	14W
4x FLL211/P/H6.0/BK-14LED/24VDC	14W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL211/P/GS

Application

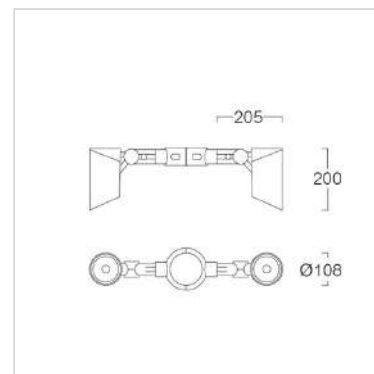
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

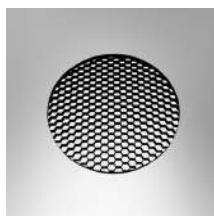
Housing	Die-cast aluminium with zinc coated steel pole
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	108x200x205 mm.
Mounting	On 6m. height pole (OD 101mm.)
Power	14W (x4,6 sets)
Light Source	LED Module
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	1190 lm (x4,6 sets)
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.90
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
4x FLL211/P/GS/H6.0/BK-14LED	14W
4x FLL211/P/GS/H6.0/BK-14LED/24VDC	14W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL221/S

Application

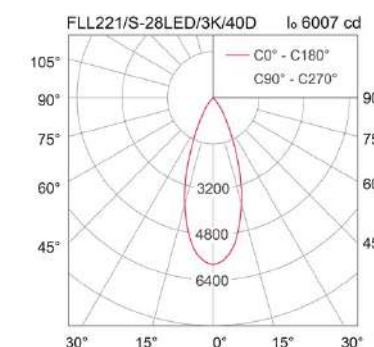
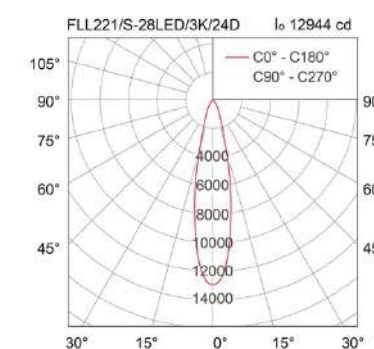
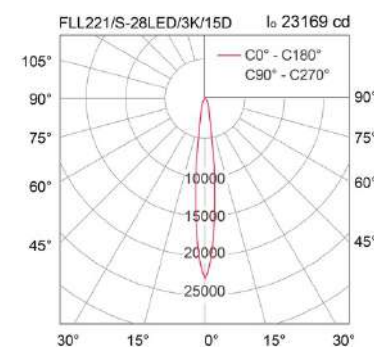
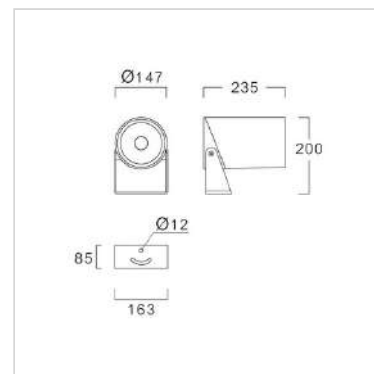
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	163x235x200 mm.
Mounting	Surface
Power	28W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL221/S/BK-28LED	28W
FLL221/S/BK-28LED/24VDC	28W



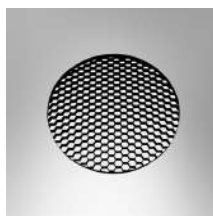
Accessories



Ground spike



Tree strap



Honeycomb

LED Floodlight / Spotlight



FLL221/B

Application

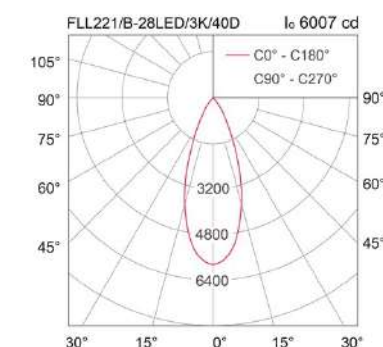
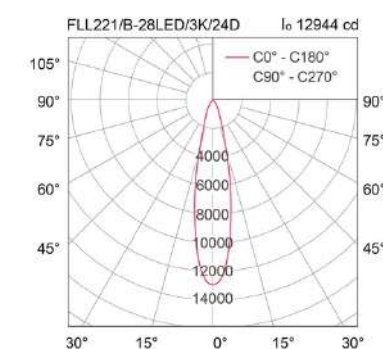
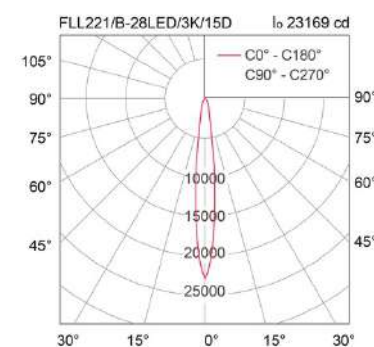
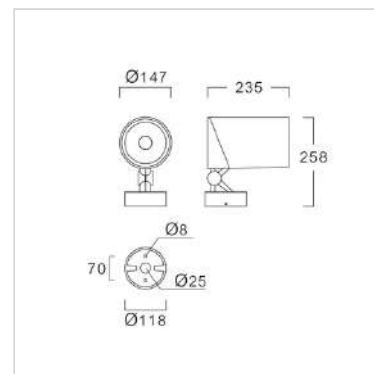
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

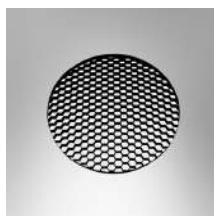
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	147x235x258 mm.
Mounting	Surface
Power	28W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL221/B/BK-28LED	28W
FLL221/B/BK-28LED/24VDC	28W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL221/S/GS

Application

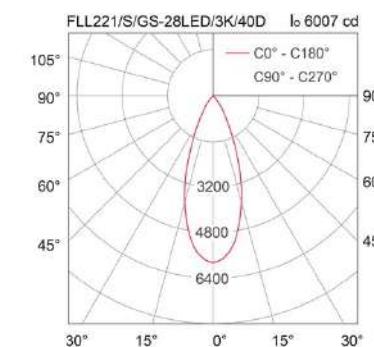
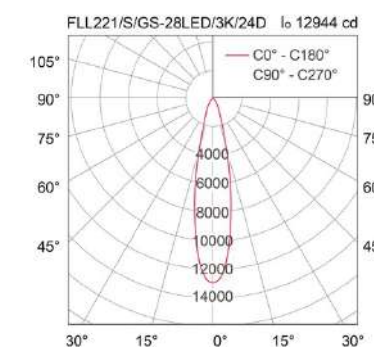
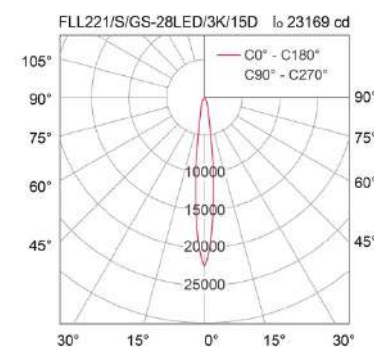
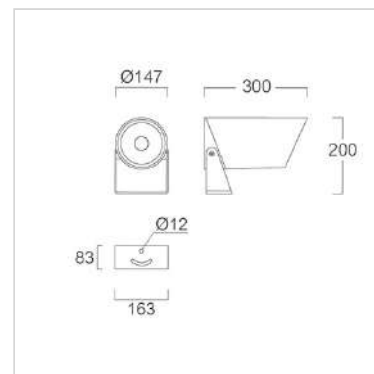
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	163x300x200 mm.
Mounting	Surface
Power	28W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL221/S/GS/BK-28LED	28W
FLL221/S/GS/BK-28LED/24VDC	28W



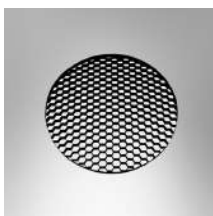
Accessories



Ground spike



Tree strap



Honeycomb

LED Floodlight / Spotlight



FLL221/B/GS

Application

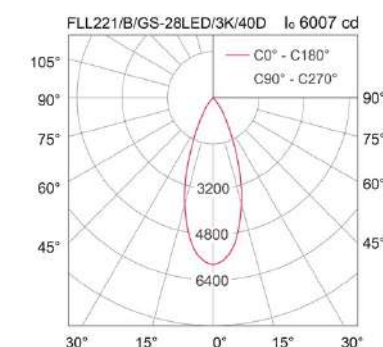
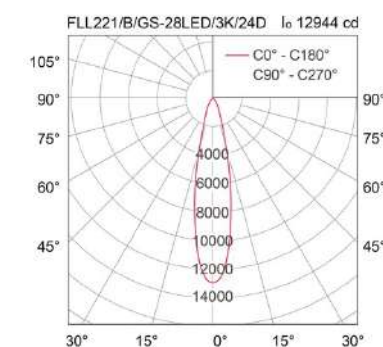
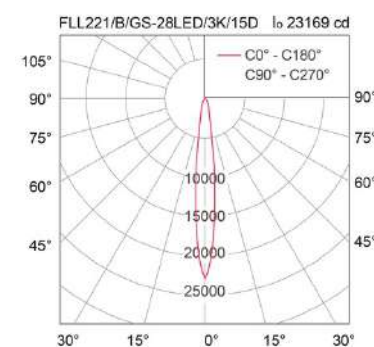
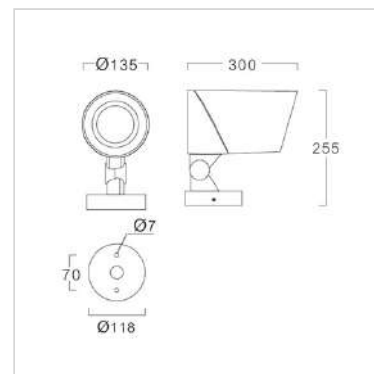
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

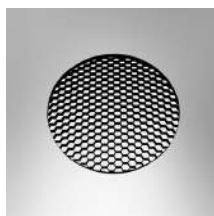
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	135x300x255 mm.
Mounting	Surface
Power	28W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL221/B/GS/BK-28LED	28W
FLL221/B/GS/BK-28LED/24VDC	28W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL221/A

Application

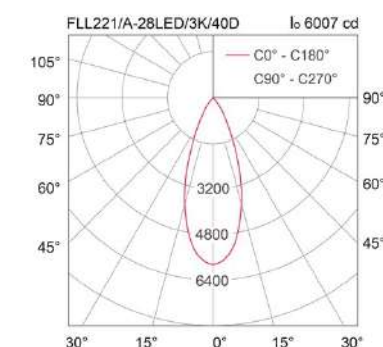
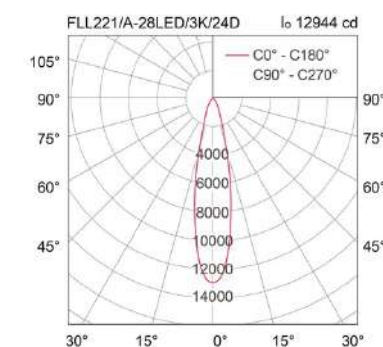
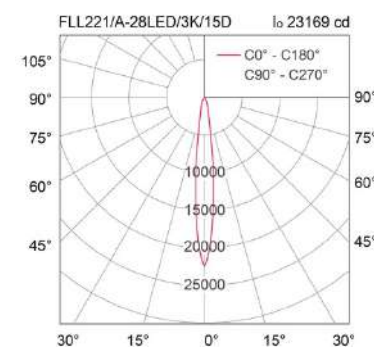
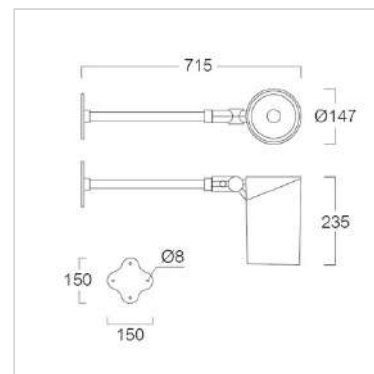
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

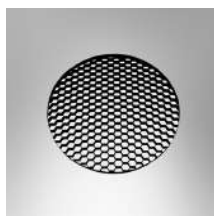
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	147x715x235 mm.
Mounting	Surface
Power	28W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL221/A/L0.45/BK-28LED	28W
FLL221/A/L0.45/BK-28LED/24VDC	28W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL221/C

Application

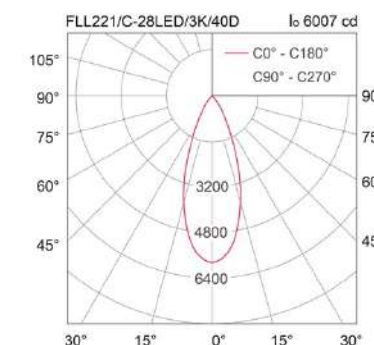
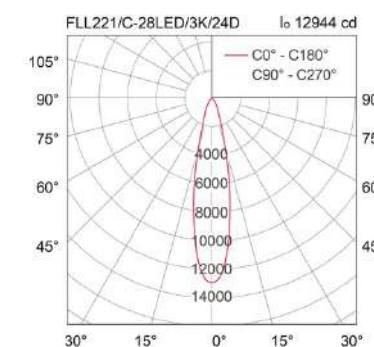
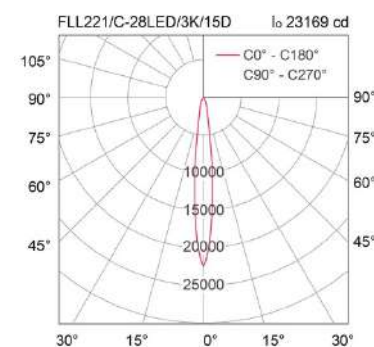
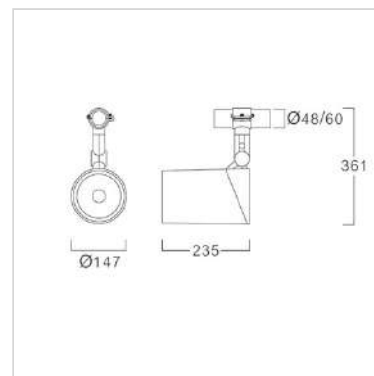
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

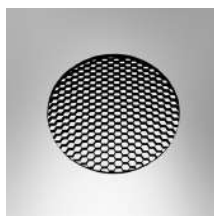
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	147x235x361 mm.
Mounting	Clamp with pipe (OD 48/60 mm.)
Power	28W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL221/C/BK-28LED	28W
FLL221/C/BK-28LED/24VDC	28W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL221/A/GS

Application

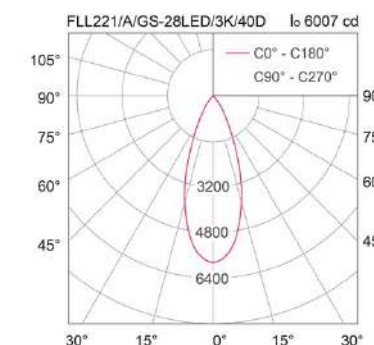
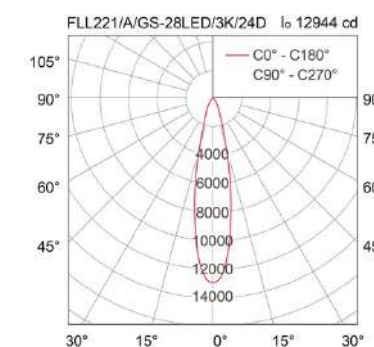
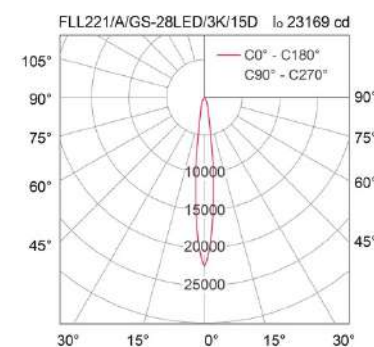
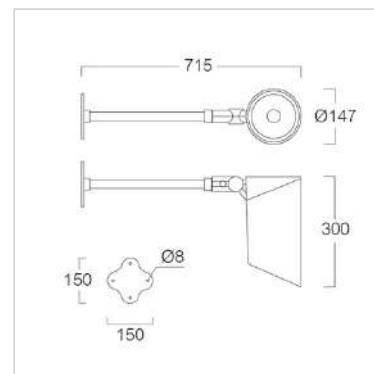
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

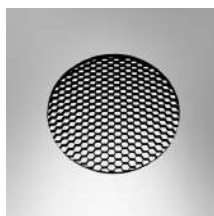
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	147x715x300 mm.
Mounting	Surface
Power	28W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL221/A/GS/L0.45/BK-28LED	28W
FLL221/A/GS/L0.45/BK-28LED/24VDC	28W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL221/C/GS

Application

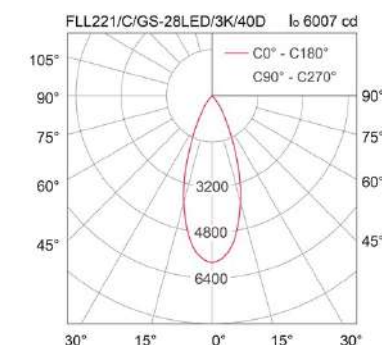
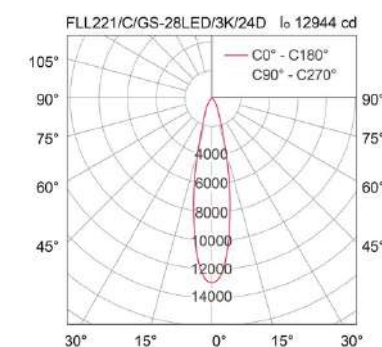
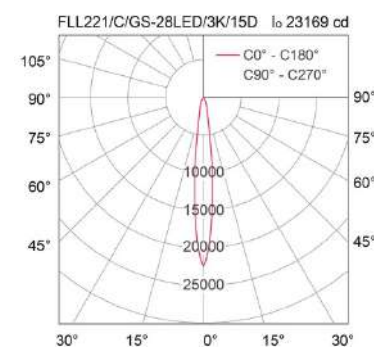
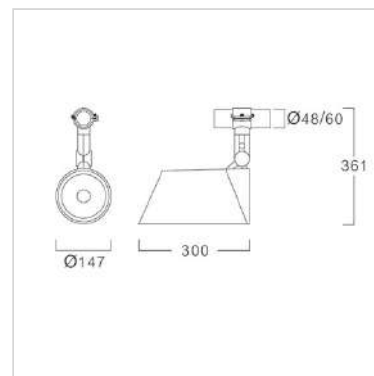
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Specification

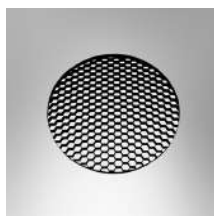
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	147x300x361 mm.
Mounting	Clamp with pipe (OD 48/60 mm.)
Power	28W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL221/C/GS-28LED	28W
FLL221/C/GS-28LED/24VDC	28W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL221/P

Application

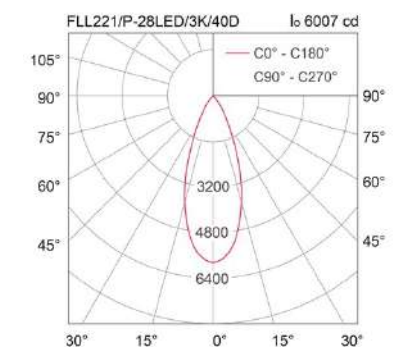
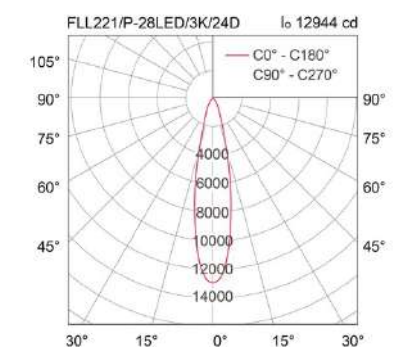
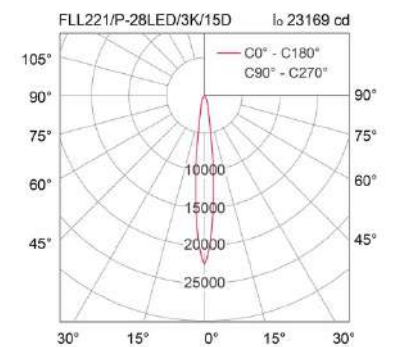
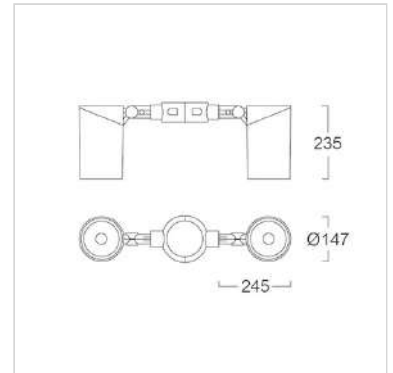
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Specification

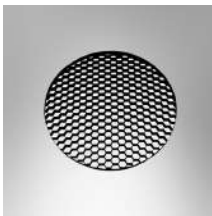
Housing	Die-cast aluminium with zinc coated steel pole
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	147x235x245 mm.
Mounting	On 6m. high pole (OD 101mm.)
Power	28W (x4,6 sets)
Light Source	LED Module
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm (x4,6 sets)
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
4x FLL221/P/H6.0/BK-28LED	28W
4x FLL221/P/H6.0/BK-28LED/24VDC	28W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL221/P/GS

Application

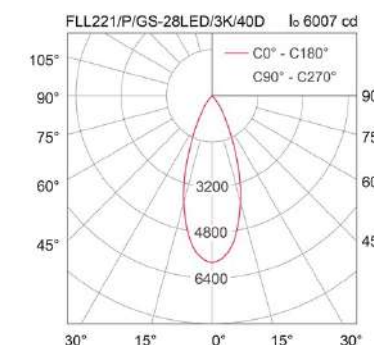
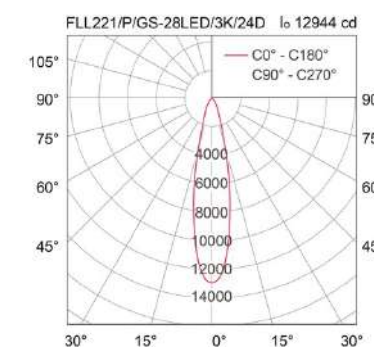
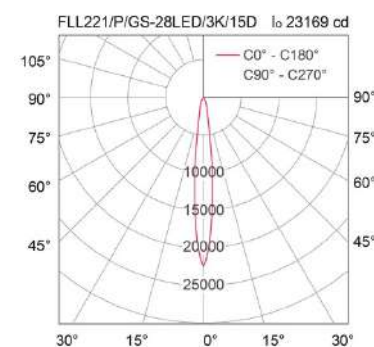
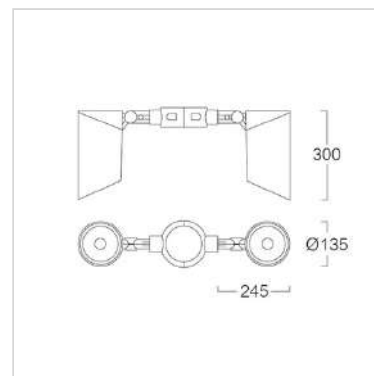
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

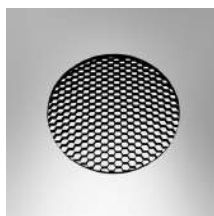
Housing	Die-cast aluminium with zinc coated steel pole
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Reflector	Anodized aluminium
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	135x300x245 mm.
Mounting	On 6m. high pole (OD 101mm.)
Power	28W (x4,6 sets)
Light Source	LED Module
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	3000 lm (x4,6 sets)
Beam Angle	15/24/40 degree
Control Gear	220-240VAC : Built-in driver 24VDC : Separate switching power supply
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC 50Hz 24VDC
Power Factor	>0.95
Insulation Class	220-240VAC : Class I 24VDC : Class III
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
4x FLL221/P/GS/H6.0/BK-28LED	28W
4x FLL221/P/GS/H6.0/BK-28LED/24VDC	28W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL231/S

Application

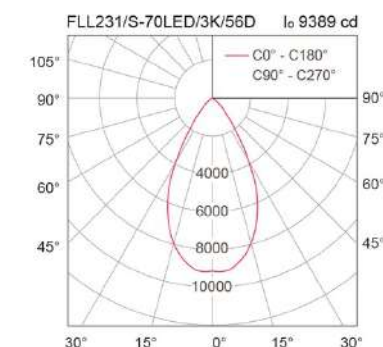
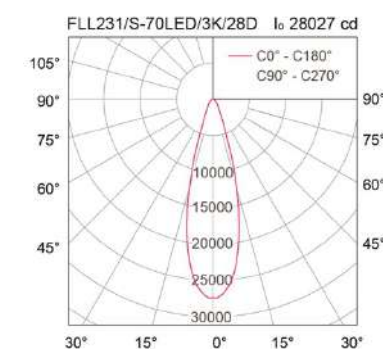
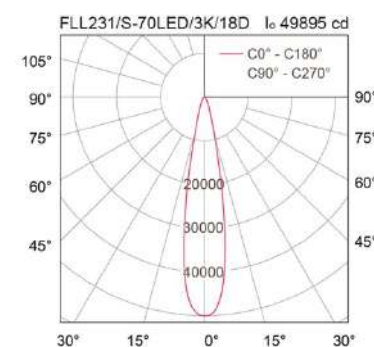
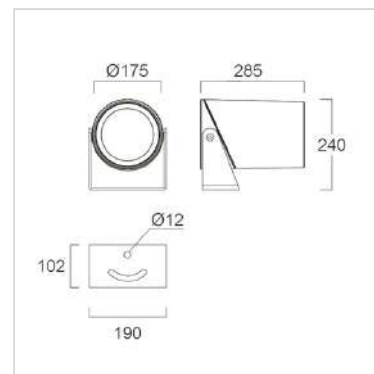
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	190x285x240 mm.
Mounting	Surface
Power	50/70W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	50W : 5250/6000/6250/5700 lm 70W : 7350/8400/8750/7980 lm
Beam Angle	18/28/35/56 degree
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.9
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

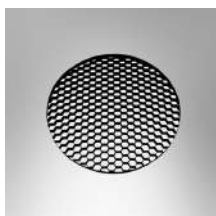
Model	Watt
FLL231/S/BK-50LED	50W
FLL231/S/BK-70LED	70W



Accessories



Ground spike



Honeycomb

LED Floodlight / Spotlight



FLL231/B

Application

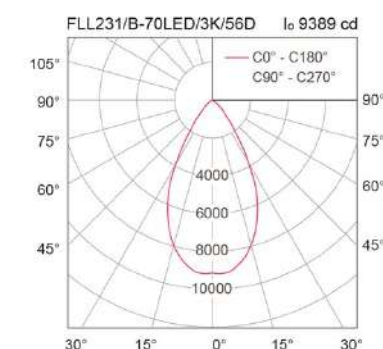
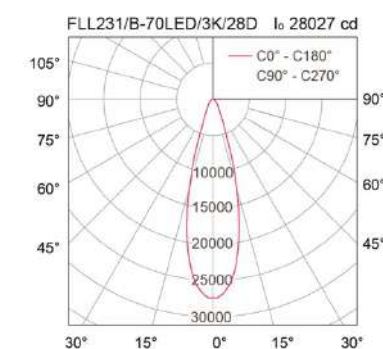
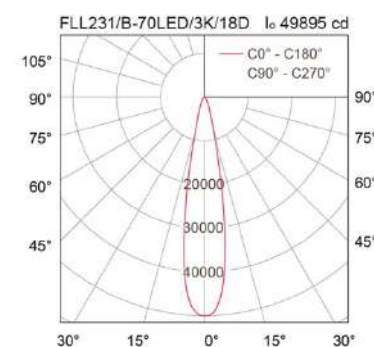
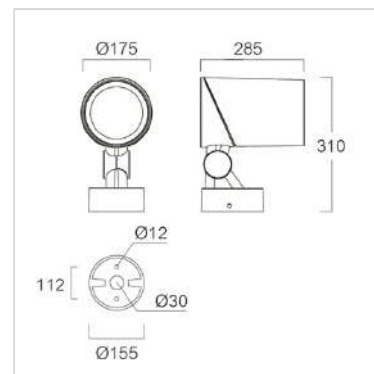
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

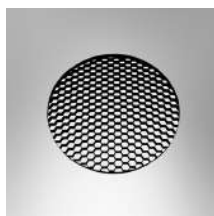
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	175x285x310 mm.
Mounting	Surface
Power	50/70W
Light Source	LED-COB
Colour Temperature	3000K (4000/5700K as optional)
CRI	80
Luminaire Output	50W : 5250/6000/6250/5700 lm 70W : 7350/8400/8750/7980 lm
Beam Angle	18/28/35/56 degree
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.9
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL231/B/BK-50LED	50W
FLL231/B/BK-70LED	70W



Accessories



Honeycomb

LED Floodlight / Spotlight



FLL90

Application

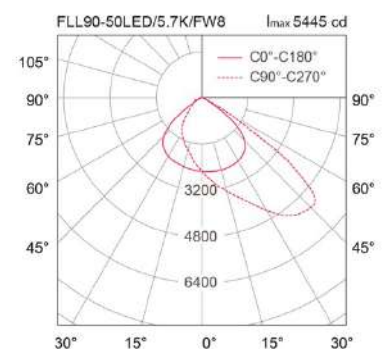
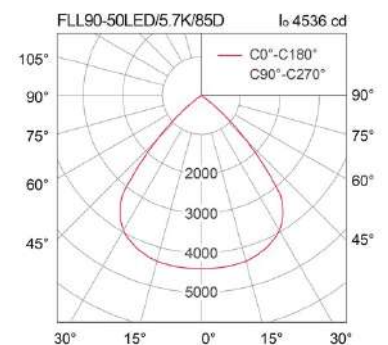
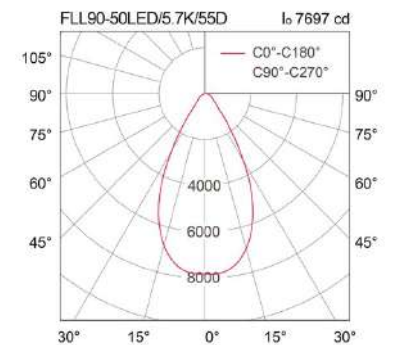
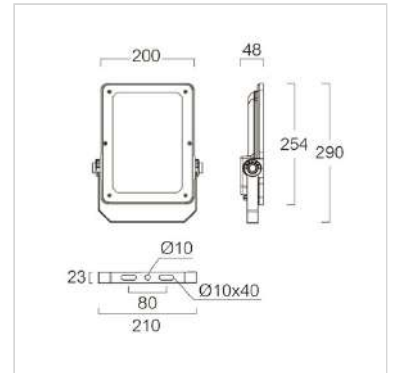
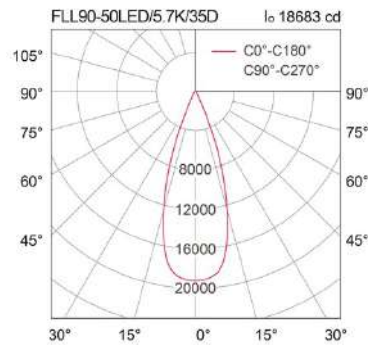
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	200x48x290 mm.
Mounting	Surface
Power	30/50W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	30W : 4500 lm (85 degree) 30W : 4350 lm (35/55 degree, FW8) 50W : 7500 lm (85 degree) 50W : 7250 lm (35/55 degree, FW8)
Beam Angle	35/55/85 degree Asymmetrical distribution : FW8
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL90/GY-30LED	30W
FLL90/GY-50LED	50W



LED Floodlight / Spotlight



FLL91

Application

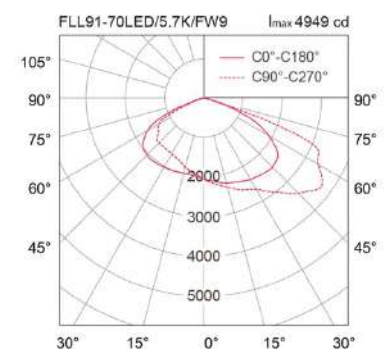
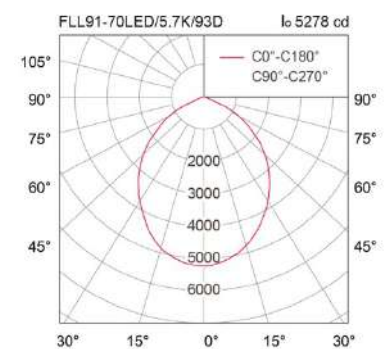
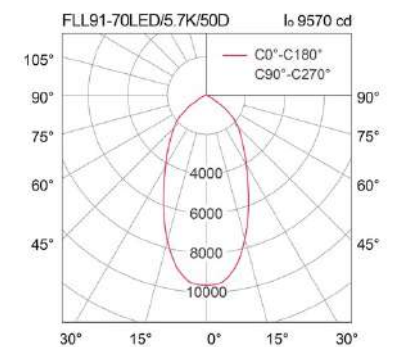
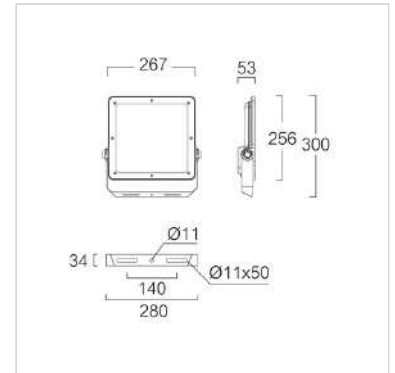
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	267x53x300 mm.
Mounting	Surface
Power	70W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	10500 lm (50/93 degree) 10000 lm (FW9)
Beam Angle	50/93 degree Asymmetrical distribution : FW9
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL91/GY-70LED	70W



LED Floodlight / Spotlight



FLL92

Application

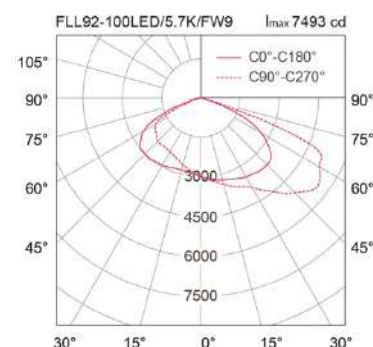
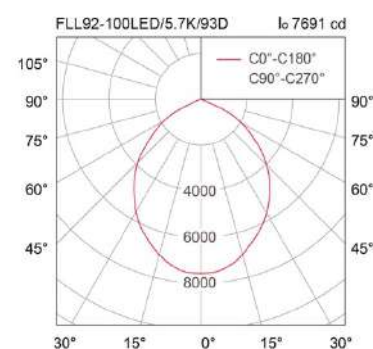
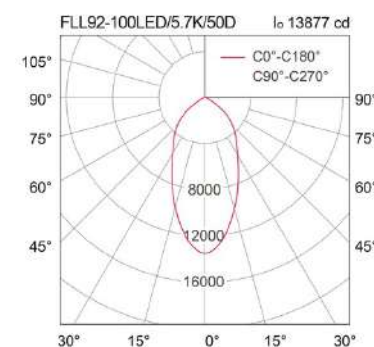
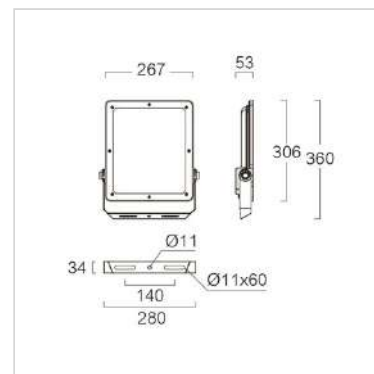
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	267x53x360 mm.
Mounting	Surface
Power	100W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	15500 lm (50/93 degree) 14500 lm (FW9)
Beam Angle	50/93 degree Asymmetrical distribution : FW9
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL92/GY-100LED	100W



LED Floodlight / Spotlight



FLL93

Application

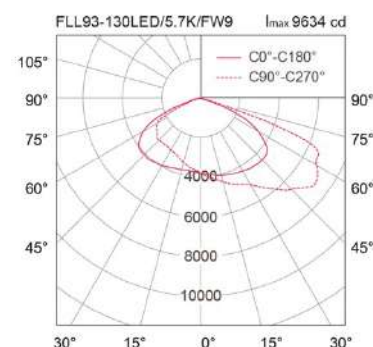
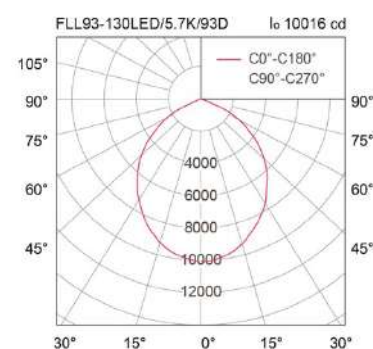
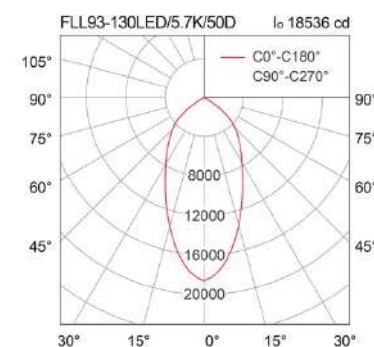
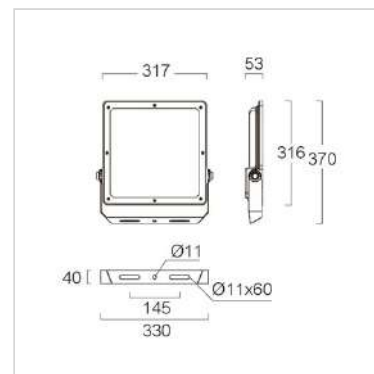
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	317x53x370 mm.
Mounting	Surface
Power	130W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	20150 lm (50/93 degree) 18850 lm (FW9)
Beam Angle	50/93 degree Asymmetrical distribution : FW9
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL93/GY-130LED	130W



LED Floodlight / Spotlight



FLL94

Application

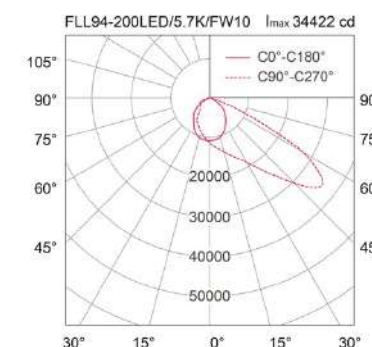
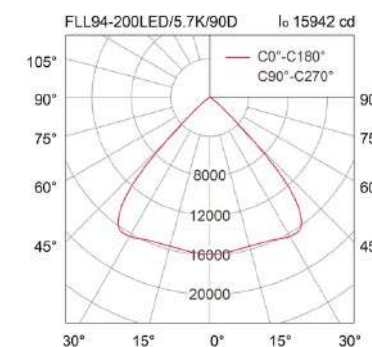
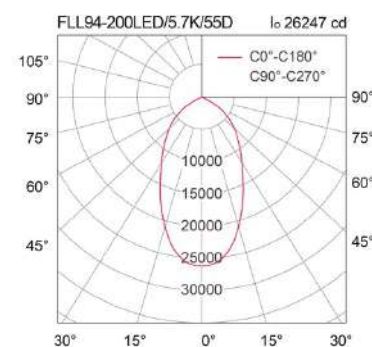
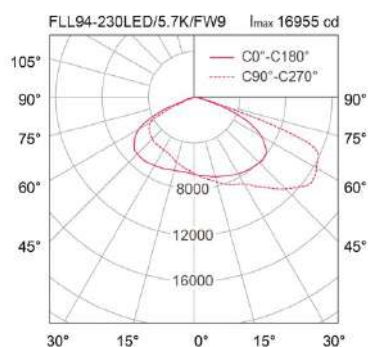
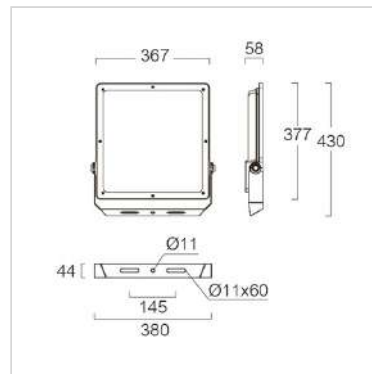
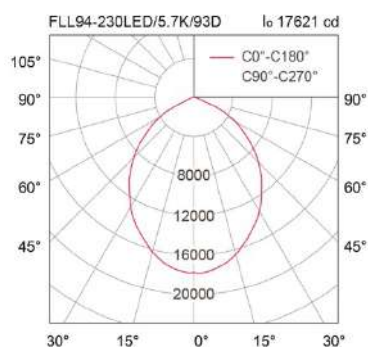
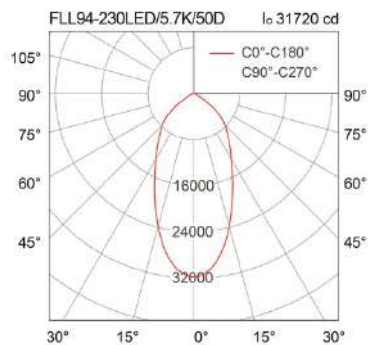
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	367x58x430 mm.
Mounting	Surface
Power	200/230W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	200W : 30000 lm (25/55/90 degree) 200W : 30000 lm (FW10) 230W : 35650 lm (50/93 degree) 230W : 33350 lm (FW9)
Beam Angle	25/50/55/90/93 degree Asymmetrical distribution : FW9/FW10
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL94/GY-200LED	200W
FLL94/GY-230LED	230W



LED Floodlight / Spotlight



FLL95

Application

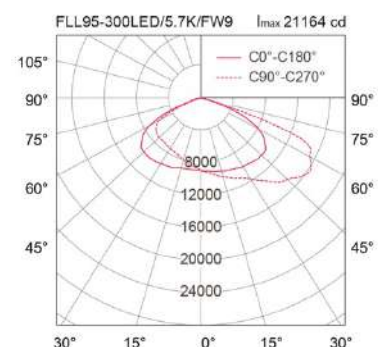
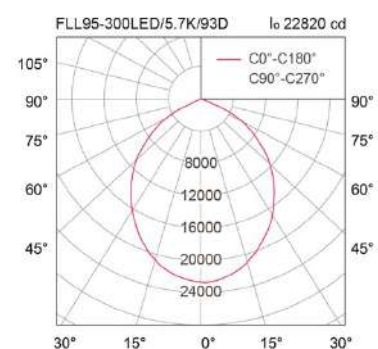
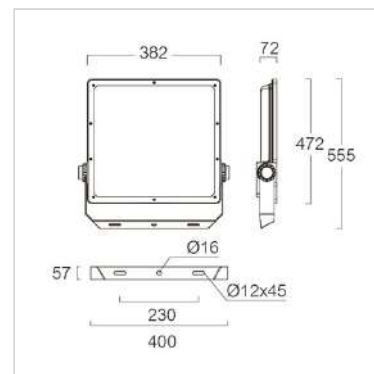
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	382x72x555 mm.
Mounting	Surface
Power	300W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	46500 lm (50/93 degree) 43500 lm (FW9)
Beam Angle	50/93 degree Asymmetrical distribution : FW9
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL95/GY-300LED	300W



LED Floodlight / Spotlight



FLL96

Application

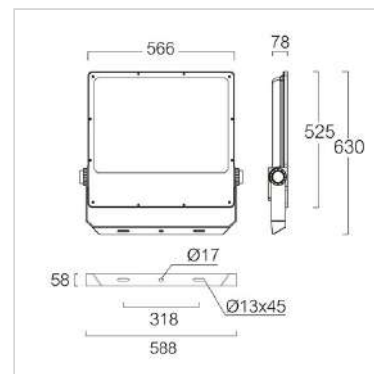
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	566x78x630 mm.
Mounting	Surface
Power	400W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	60000 lm (25/55/90 degree) 58000 lm (FW10)
Beam Angle	25/55/90 degree Asymmetrical distribution : FW10
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL96/GY-400LED	400W



LED Floodlight / Spotlight



FLL435

Application

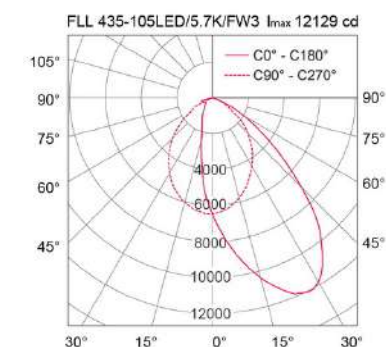
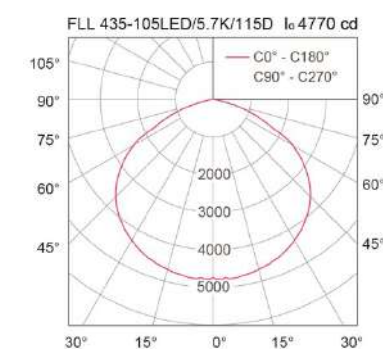
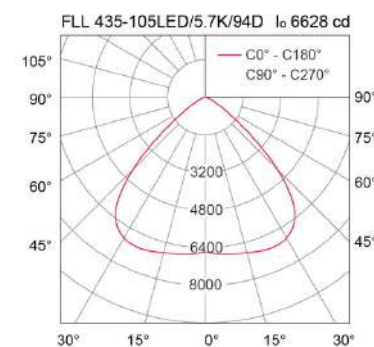
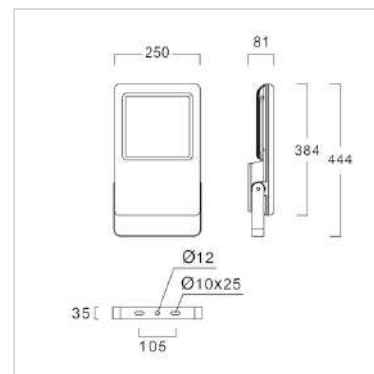
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	250x81x444 mm.
Mounting	Surface
Power	55/70/105W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	55W : 7700 lm 70W : 9800 lm 105W : 14175 lm
Beam Angle	94/115 degree Asymmetrical distribution : FW3
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL435/GY-55LED	55W
FLL435/GY-70LED	70W
FLL435/GY-105LED	105W



LED Floodlight / Spotlight



FLL437

Application

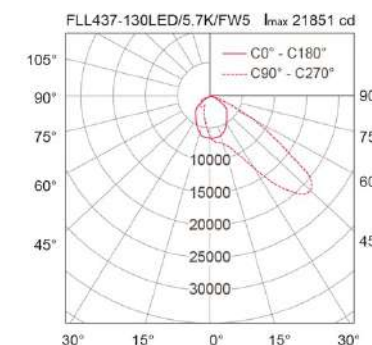
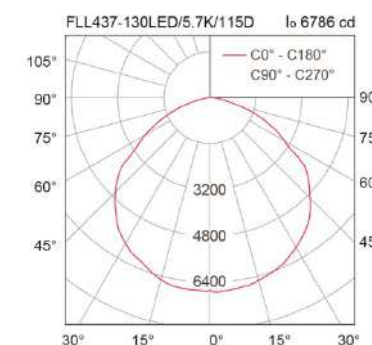
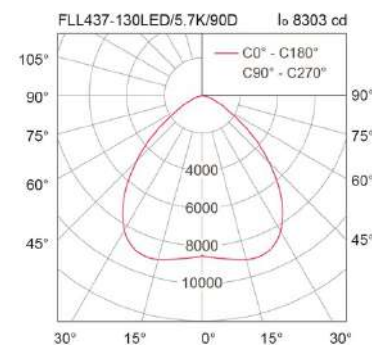
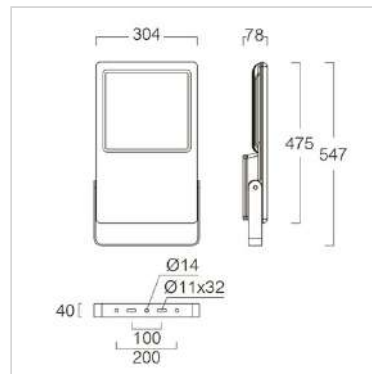
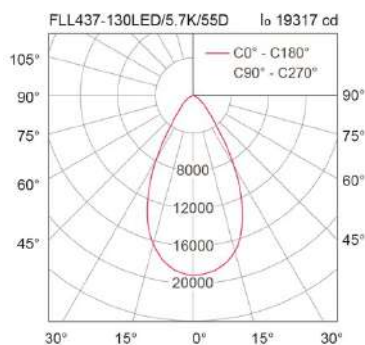
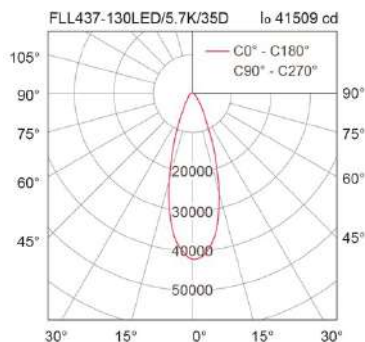
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	304x78x547 mm.
Mounting	Surface
Power	130W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	18850 lm
Beam Angle	35/55/90/115 degree Asymmetrical distribution : FW5
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL437/GY-130LED	130W



LED Floodlight / Spotlight



FLL436

Application

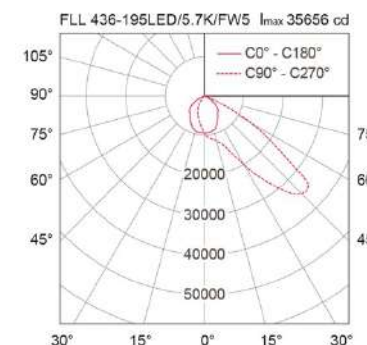
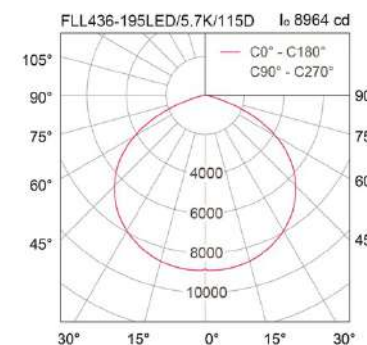
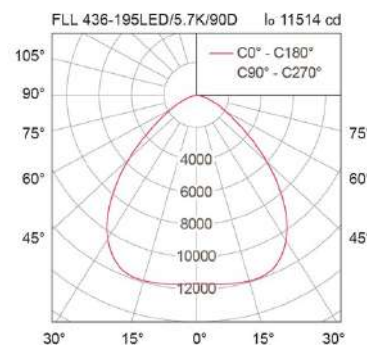
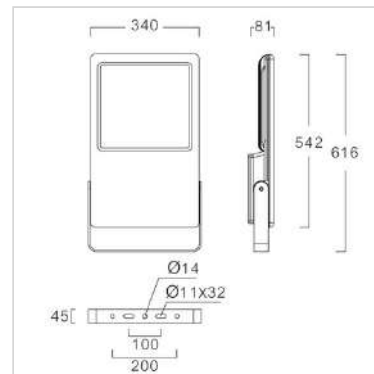
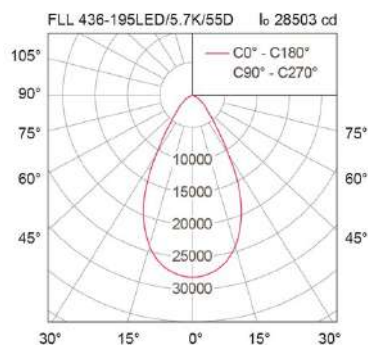
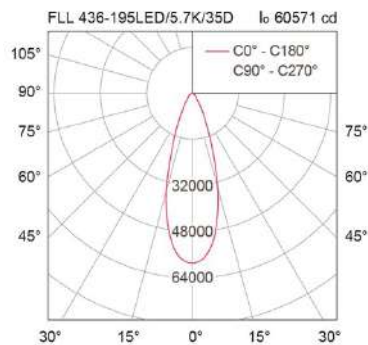
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	340x81x616 mm.
Mounting	Surface
Power	195W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	28275 lm (90 degree) 29250 lm (35/55/115 degree) 30225 lm (FW5)
Beam Angle	35/55/90/115 degree Asymmetrical distribution : FW5
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL436/GY-195LED	195W



LED Floodlight / Spotlight



FLL453

Application

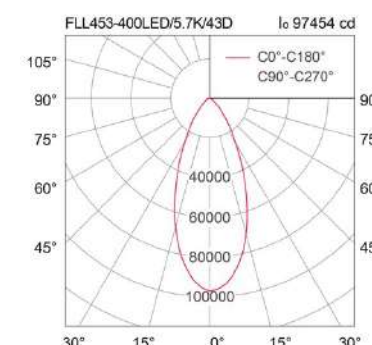
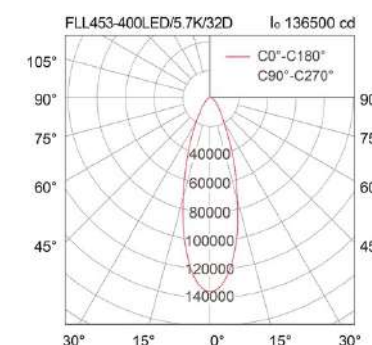
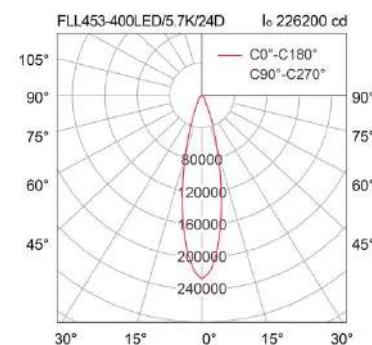
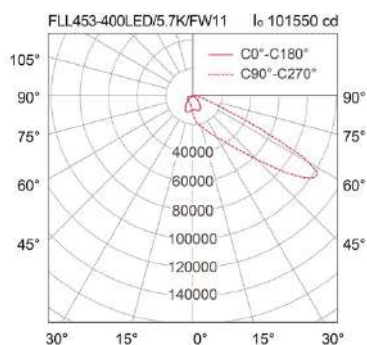
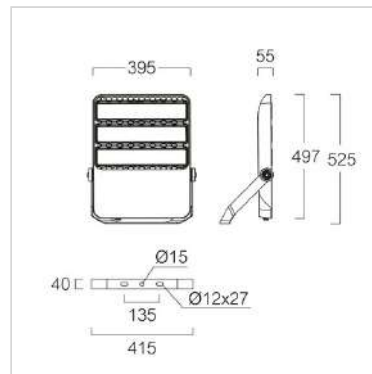
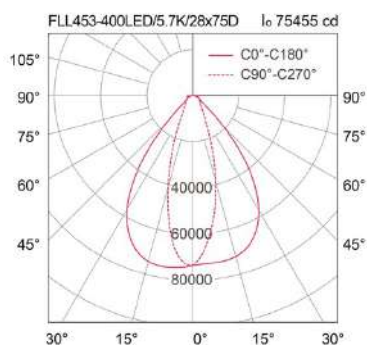
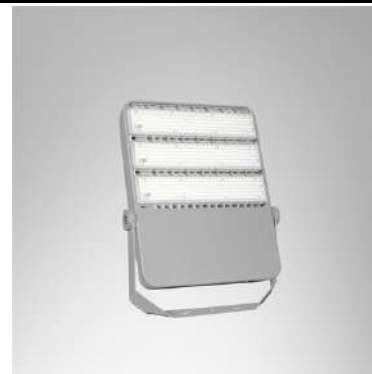
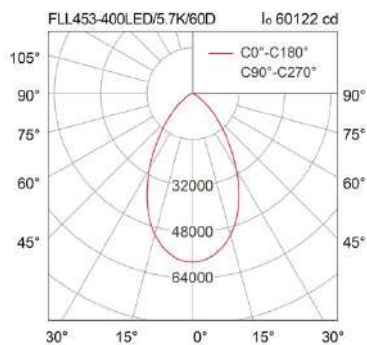
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	395x55x525 mm.
Mounting	Surface
Power	400W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	58000 lm (24/32/43/60/28x75 degree) 52000 lm (FW11)
Beam Angle	24/32/43/60/28x75 degree Asymmetrical distribution : FW11
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL453/GY-400LED	400W



LED Floodlight / Spotlight



FLL454

Application

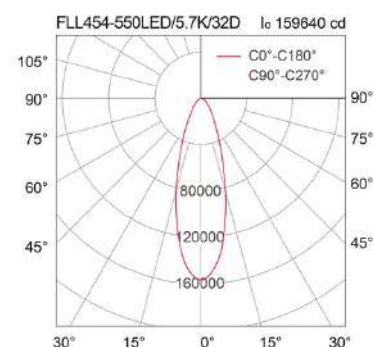
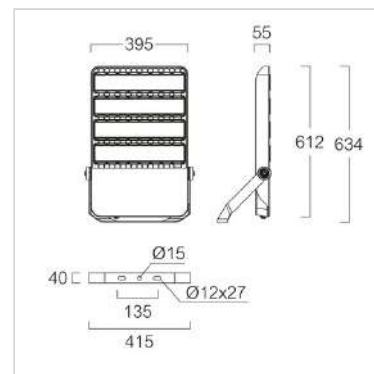
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	395x55x634 mm.
Mounting	Surface
Power	550W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	79750 lm (24/32/43/60/28x75 degree) 71500 lm (FW11)
Beam Angle	24/32/43/60/28x75 degree Asymmetrical distribution : FW11
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL454/GY-550LED	550W



LED Floodlight / Spotlight



FLL460

Application

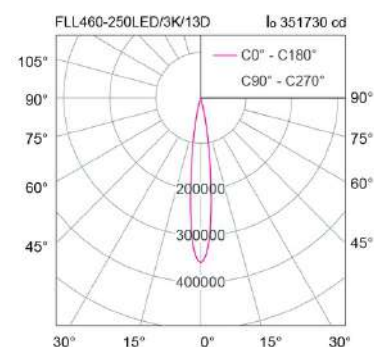
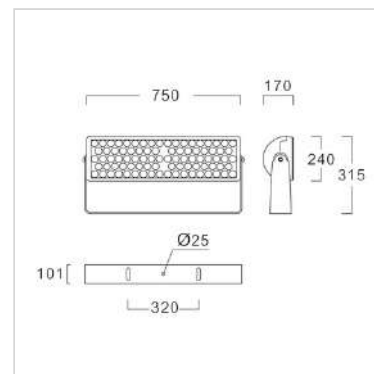
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	750x170x315 mm.
Mounting	Surface
Power	250W
Light Source	LED Module
Colour Temperature	3000K (4000/5700K as optional)
CRI	70
Luminaire Output	30000 lm
Beam Angle	8.5/13 degree
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL460/BK-250LED	250W



LED Floodlight / Spotlight



FLL461

Application

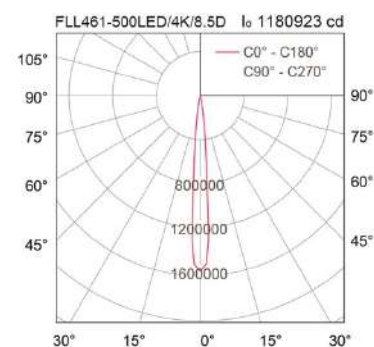
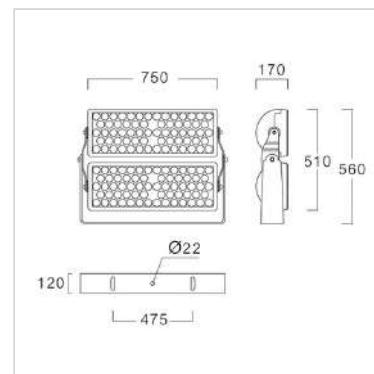
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	750x170x560 mm.
Mounting	Surface
Power	500W
Light Source	LED Module
Colour Temperature	3000K (4000/5700K as optional)
CRI	70
Luminaire Output	60000 lm
Beam Angle	8.5/13 degree
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL461/BK-500LED	500W



LED Floodlight / Spotlight



FLL470

Application

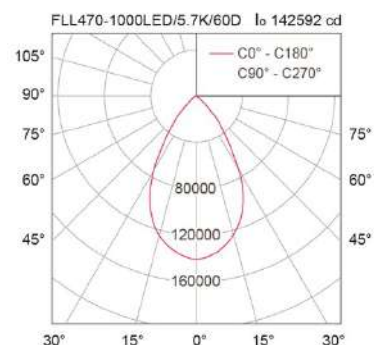
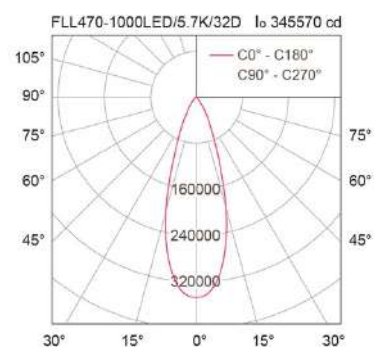
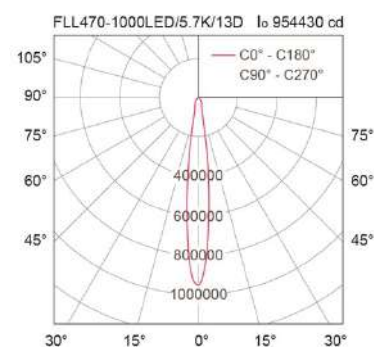
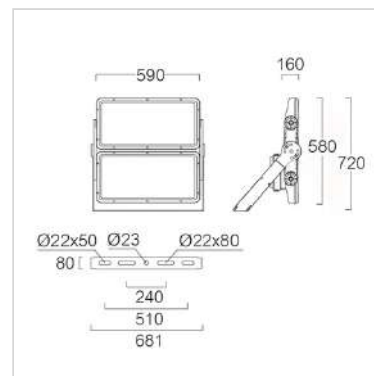
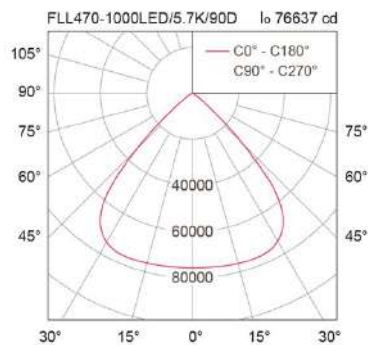
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	590x160x720 mm.
Mounting	Surface
Power	1000W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	125000/140000/140000/140000 lm
Beam Angle	13/32/60/90 degree
Control Gear	Built-in driver
Control	DIM 1-10V (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL470/BK-1000LED	1000W



LED Floodlight / Spotlight



FLL465

Application

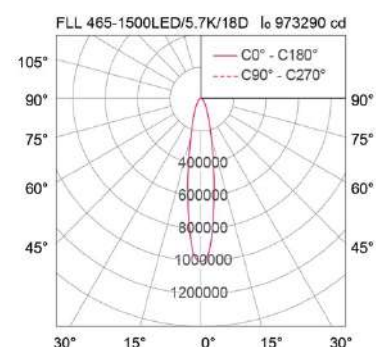
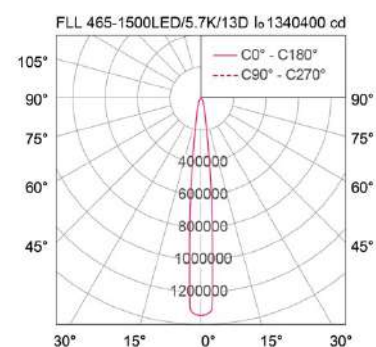
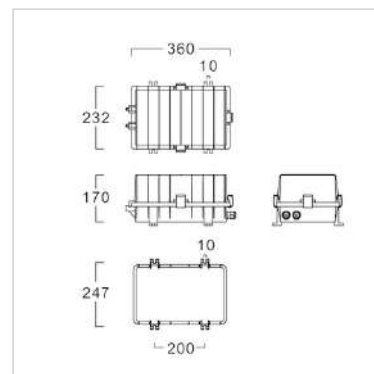
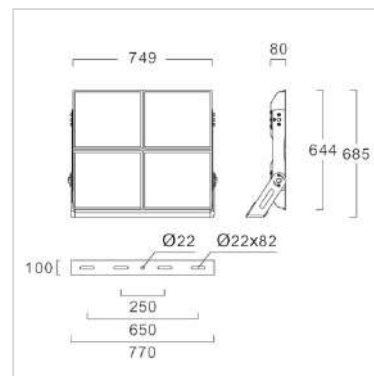
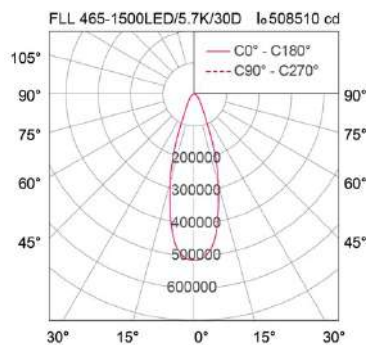
Floodlight is designed to illuminate building facade, building security, indoor and outdoor stadiums, monuments, statues, exhibition halls, shopping centers, showrooms, display areas, residences, etc.

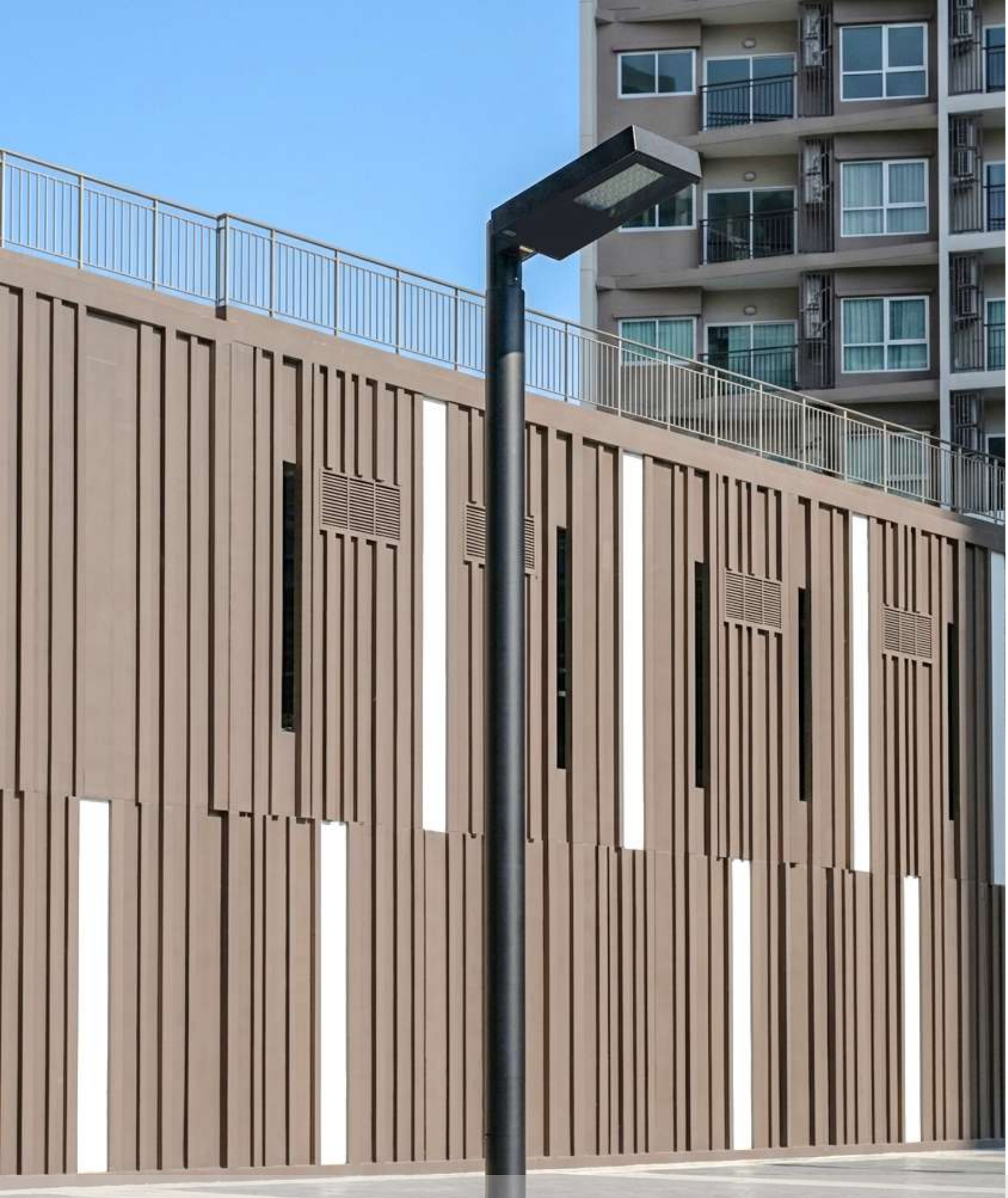
Specification

Housing	Die-cast aluminium
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Power Cord	H07RN-F 2x2.5 sq.mm., 5 meters
Dimension	749x80x685 mm.
Mounting	Surface
Power	1500W
Light Source	LED Module
Colour Temperature	5700K (3000/4000K as optional)
CRI	70
Luminaire Output	195000/210000/210000 lm
Beam Angle	13/18/30 degree
Control Gear	Separate driver
Control	DIM 0-10, DALI-2 DT6 (optional)
Power Supply	Gear box : 220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
FLL465/BK-1500LED	1500W



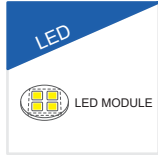


Outdoor Lighting

Canopy / Streetlight / Arealight

Outdoor Lighting (Canopy/Streetlight/Arealight)

Canopy Luminares



CAL320 (100/175W)



RCL320 (100/175W)



CAL510 (35/55/70/105W)



CAL511 (105/125/150W)



RCL435 (55/70/105W)



RCL436 (195W)

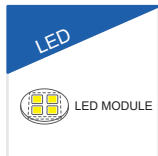
Streetlight Luminares



LLSL/CT (16-32W)



LLSL180/CT (16-32W)



SLL27 (30W)



SLL28 (70W)



SLL220 (55/80/120W)



SLL221 (150/180W)



SLL435 (55/80/105W)



SLL436 (180W)

Solar Streetlight Luminares



SLL300/MD (30W)



SLL302/MD (50W)



SLL302/LS (30W)



SLL302/HB (30W)



SLL27-SOLAR (20/40W)



SLL220-SOLAR (50W)

Arealight Luminares



ARL435 (55/70/105W)



ARL436 (175W)



ARL904/A (35/55W)



ARL904/K (35/55W)



ARL510 (35/55/70/105W)



ARL511 (105/125/150W)

Street Lighting Poles



RTB/SB



RTB/DB



LTP



LTP/GI



SSP



SSP/HDG



ELTP

Area Lighting Poles

LED Canopy / Tunnel



CAL320

Application

Canopy is designed to illuminate tunnels, underpasses, warehouses, garages, indoor gymnasiums, recreational and competition sport fields, etc.

Specification

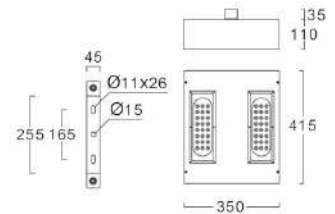
Housing	Die-cast and die-formed aluminium
Finishing	Powder coated in white
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	100W : 415x350x145 mm. 175W : 415x445x145 mm.
Mounting	Surface
Power	100/175W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	80
Luminaire Output	100W : 14500 lm 175W : 25375 lm
Beam Angle	115 degree
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

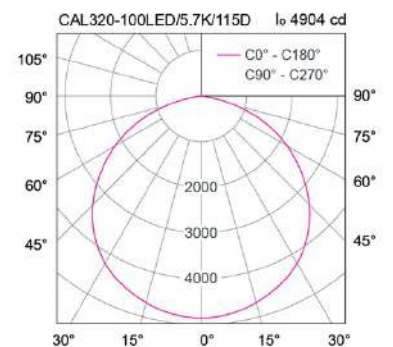
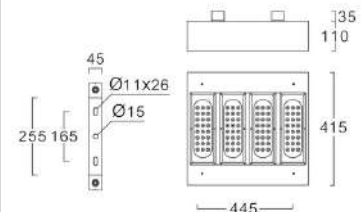
Model	Watt
CAL320/WH-100LED	100W
CAL320/WH-175LED	175W



CAL320-100LED



CAL320-175LED



LED Canopy / Tunnel



RCL320

Application

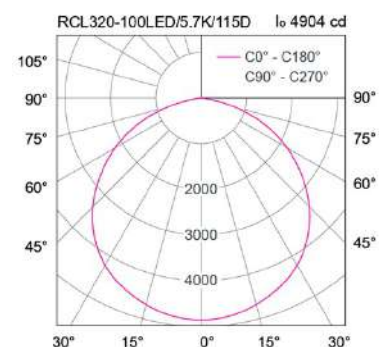
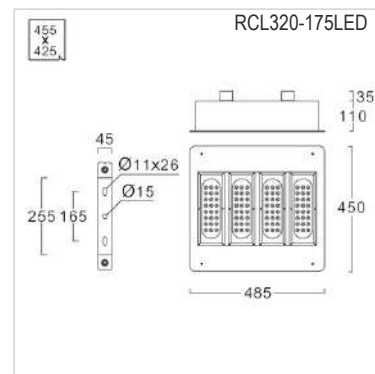
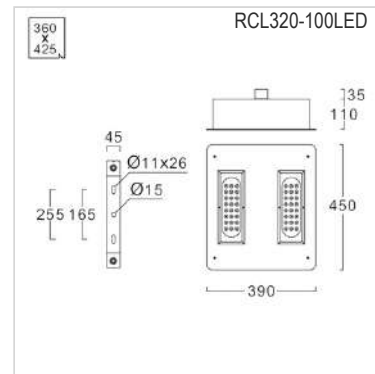
Canopy is designed to illuminate tunnels, underpasses, warehouses, garages, indoor gymnasiums, recreational and competition sport fields, etc.

Specification

Housing	Die-cast and die-formed aluminium
Finishing	Powder coated in white
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	100W : 450x390x145 mm. 175W : 450x485x145 mm.
Cut Out	100W : 425x360 mm. 175W : 425x455 mm.
Mounting	Recessed
Power	100/175W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	80
Luminaire Output	100W : 14500 lm 175W : 25375 lm
Beam Angle	115 degree
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
RCL320/WH-100LED	100W
RCL320/WH-175LED	175W



LED Canopy / Tunnel



CAL510

Application

Canopy is designed to illuminate tunnels, underpasses, warehouses, garages, indoor gymnasiums, recreational and competition sport fields, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	250x500x180 mm.
Mounting	Surface
Power	35/55/70/105W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)

CRI

Luminaire Output

35W : 4900 lm (55 degree)
35W : 4550 lm (90 degree)
55W : 7700 lm (55 degree)
55W : 7150 lm (90 degree)
70W : 9800 lm (55 degree)
70W : 9100 lm (90 degree)
105W : 13600 lm (55 degree)
105W : 12600 lm (90 degree)

Beam Angle

55/90 degree

Control Gear

Built-in driver

Control

DIM 0-10/1-10V, DALI-2 DT6 (optional)

Power Supply

220-240VAC, 50Hz

Power Factor

>0.95

IP Rating

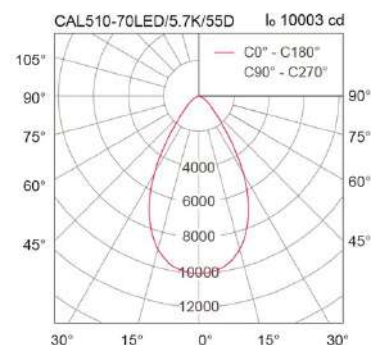
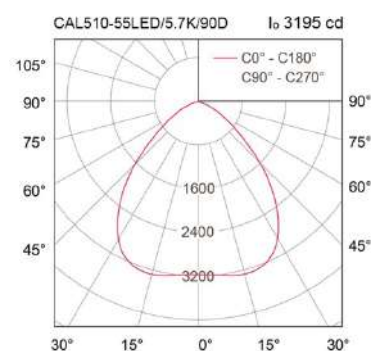
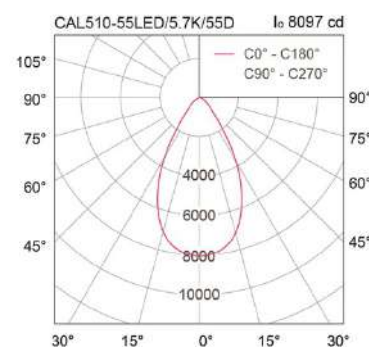
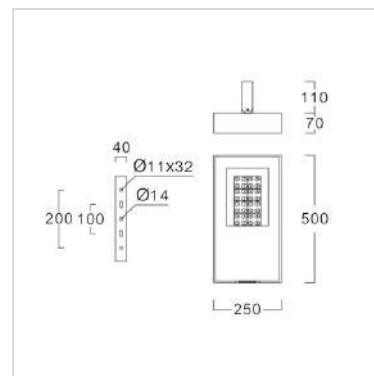
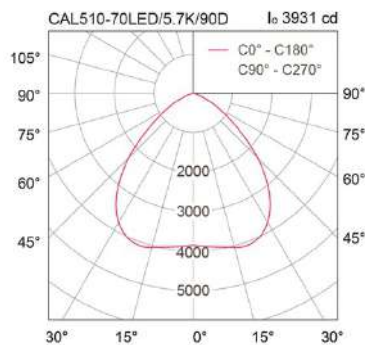
66

Luminaire Lifetime

50,000 hrs.

Ordering Data

Model	Watt
CAL510/BK-35LED	35W
CAL510/BK-55LED	55W
CAL510/BK-70LED	70W
CAL510/BK-105LED	105W



LED Canopy / Tunnel



CAL511

Application

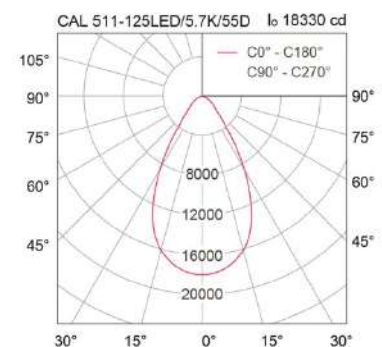
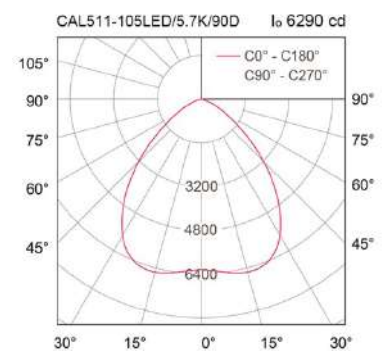
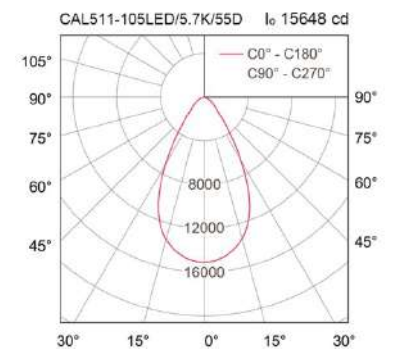
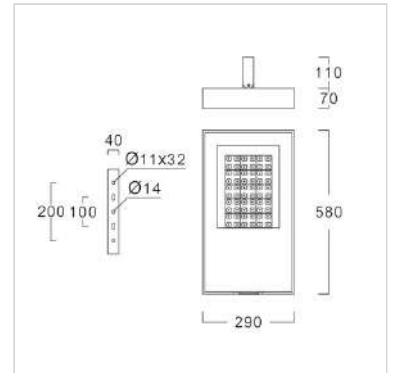
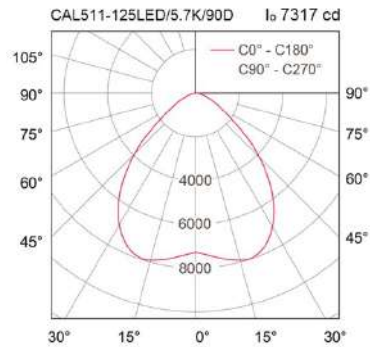
Canopy is designed to illuminate tunnels, underpasses, warehouses, garages, indoor gymnasiums, recreational and competition sport fields, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	290x580x180 mm.
Mounting	Surface
Power	105/125/150W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	70
Luminaire Output	105W : 15225 lm (55 degree) 105W : 14175 lm (90 degree) 125W : 17500 lm (55 degree) 125W : 16875 lm (90 degree) 150W : 19500 lm (55 degree) 150W : 18750 lm (90 degree)
Beam Angle	55/90 degree
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
CAL511/BK-105LED	105W
CAL511/BK-125LED	125W
CAL511/BK-150LED	150W



LED Canopy / Tunnel



RCL435

Application

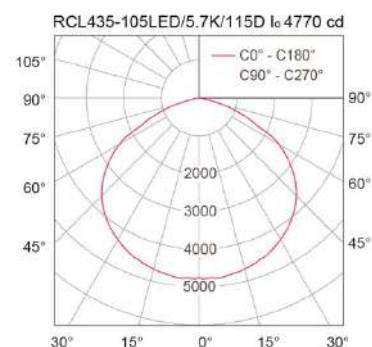
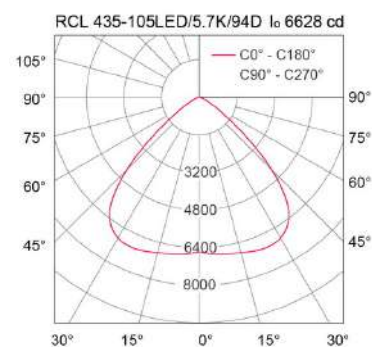
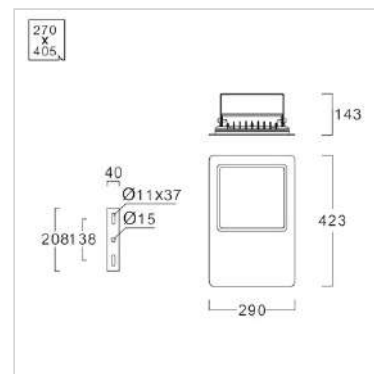
Canopy is designed to illuminate tunnels, underpasses, warehouses, garages, indoor gymnasiums, recreational and competition sport fields, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in white
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	290x423x143 mm.
Cut Out	270x405 mm.
Mounting	Recessed
Power	55/70/105W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	70
Luminaire Output	55W : 7700 lm (94/115 degree) 55W : 6600 lm (FW4) 70W : 9800 lm (94/115 degree) 70W : 8400 lm (FW4) 105W : 14175 lm (94/115 degree) 105W : 12600 lm (FW4)
Beam Angle	94/115 degree Asymmetrical distribution : FW4
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
RCL435/WH-55LED	55W
RCL435/WH-70LED	70W
RCL435/WH-105LED	105W



LED Canopy / Tunnel



RCL436

Application

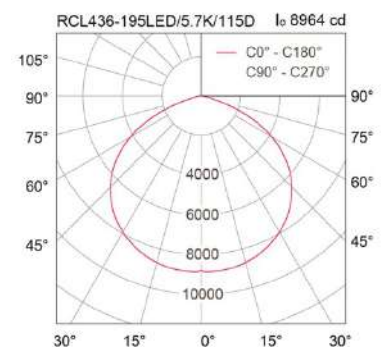
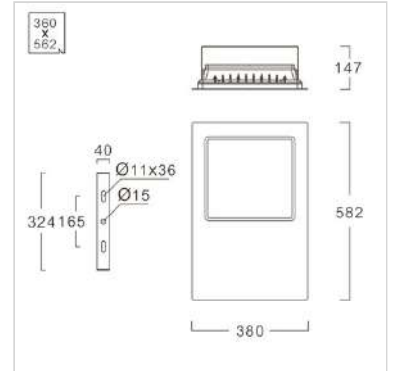
Canopy is designed to illuminate tunnels, underpasses, warehouses, garages, indoor gymnasiums, recreational and competition sport fields, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in white
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	380x582x147 mm.
Cut Out	360x562 mm.
Mounting	Recessed
Power	195W
Light Source	LED Module
Colour Temperature	5700K (3000/4000/6500K as optional)
CRI	70
Luminaire Output	26325 lm
Beam Angle	90/115 degree Asymmetrical distribution : FW5
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
RCL436/WH-195LED	195W



LED Streetlight



LLSL/CT

Application

Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

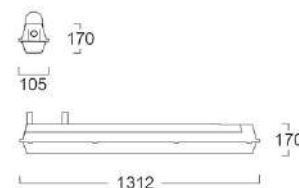
Housing	Compression moulded glass reinforced polyester (GRP), gear tray made of die-formed cold rolled steel finished high gloss baked white polyester powder
Diffuser	Injection moulded clear prismatic UV stabilized polycarbonate (PC)
Mounting	Bracket arm or pole 1.5"
Power	1L : 14-16W (1 lamp) 2L : 28-32W (2 lamps)
Light Source	LED-T8
Lamp Holder	G13
Colour Temperature	3000/4000/6500K
Lamp Output	1L : L&E : 14/16W : 2100 lm 2L : L&E : 2x14/16W : 2x2100 lm
Luminaire Output	1L : 14/16W : 1890 lm 2L : 28/32W : 3570 lm
Power Supply	220-240VAC, 50Hz
Insulation Class	I
IP Rating	65
Lamp Lifetime	L&E : 30,000/50,000 hrs.
Equivalent	14-16W : T5 1x28W/T8 1x36W 28-32W : T5 2x28W/T8 2x36W

Ordering Data

Model	Watt
LLSL/1L/CT-XXLED-T8	14-20W
LLSL/2L/CT-XXLED-T8	28-40W



LLSL/1L



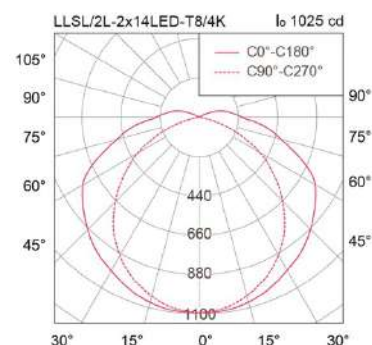
LLSL/2L



Accessories



LED-T8



LED Streetlight



LLSL180/CT

Application

Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

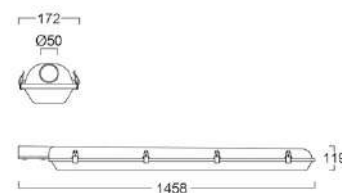
Housing	Die-cast aluminium
Finishing	Powder coated in grey
Diffuser	Injection moulded clear prismatic UV stabilized polycarbonate (PC)
Mounting	Straight entry pole or arm with ID50x150 mm
Power	2L : 28-32W (2 lamps)
Light Source	LED-T8
Lamp Holder	G13
Colour Temperature	3000/4000/6500K
Lamp Output	2L : L&E : 2x14/16W : 2x2100 lm
Luminaire Output	2L : 28/32W : 3528 lm
Power Supply	220-240VAC, 50Hz
Insulation Class	I
IP Rating	65
Lamp Lifetime	L&E : 30,000/50,000 hrs.
Equivalent	28-32W : T5 2x28W/T8 2x36W

Ordering Data

Model	Watt
LLSL180/2L/CT-XXLED-T8	28-40W



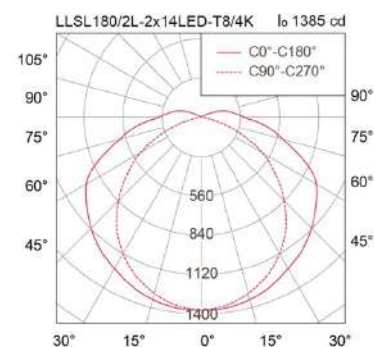
LLSL180/2L



Accessories



LED-T8





Application

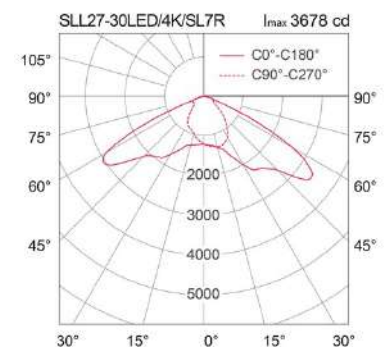
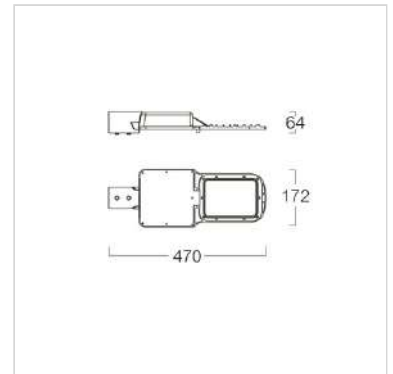
Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	172x470x64 mm.
Mounting	Side entry pole or bracket arm with OD 48x80 mm. spigot
Power	30W
Light Source	LED Module
Colour Temperature	4000/5700K (3000/6500K as optional)
CRI	70
Luminaire Output	4500 lm
Beam Angle	Street lighting distribution : SL7R
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
SLL27/GY-30LED	30W





Application

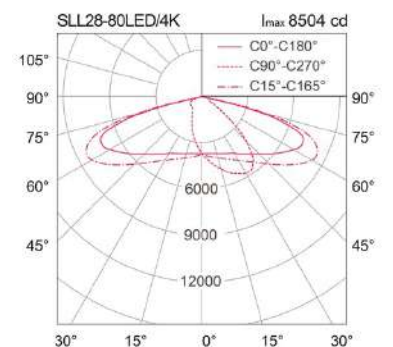
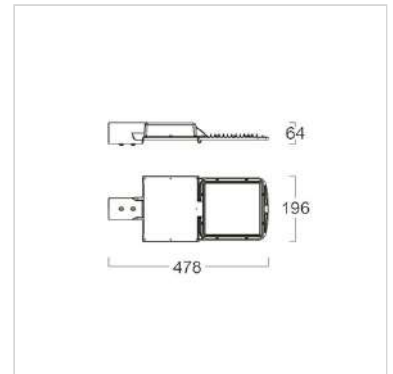
Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

Housing	Die-cast aluminium
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	196x478x64 mm.
Mounting	Side entry pole or bracket arm with OD 48x80 mm. spigot
Power	80W
Light Source	LED Module
Colour Temperature	4000/5700K (3000/6500K as optional)
CRI	70
Luminaire Output	12800 lm
Beam Angle	Street lighting distribution
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
SLL28/GY-80LED	80W



LED Streetlight



SLL220

Application

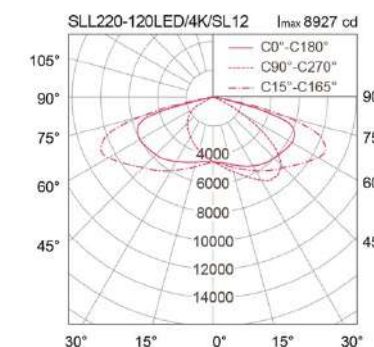
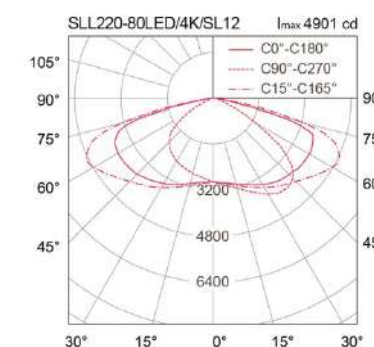
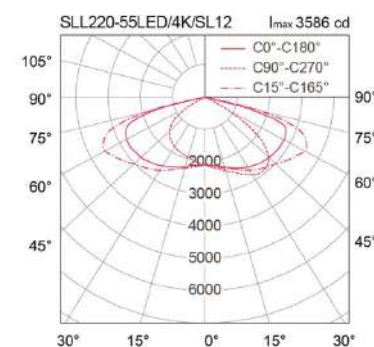
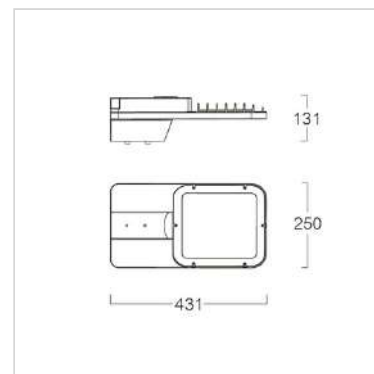
Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	250x431x131 mm.
Mounting	Side entry pole or bracket arm with OD 60x120 mm. spigot
Power	55/80/120W
Light Source	LED Module
Colour Temperature	4000/5700K (3000/6500K as optional)
CRI	70
Luminaire Output	55W : 8800 lm 80W : 12800 lm 120W : 19200 lm
Beam Angle	Street lighting distribution : SL12
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
Standard	Lighting design guidance -55W for lighting class M4 -80W for lighting class M3 -120W for lighting class M2
IP Rating	66
Luminaire Lifetime	50,000 hrs
Remarks	-Lighting class is referred TIS2954-2562 and CIE115-2010, Installation criteria refer to DOH standard.

Ordering Data

Model	Watt
SLL220/GY-55LED	55W
SLL220/GY-80LED	80W
SLL220/GY-120LED	120W



LED Streetlight



TIS SLL221

Application

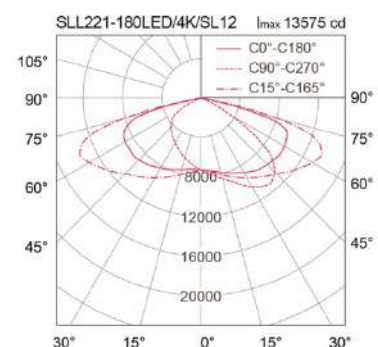
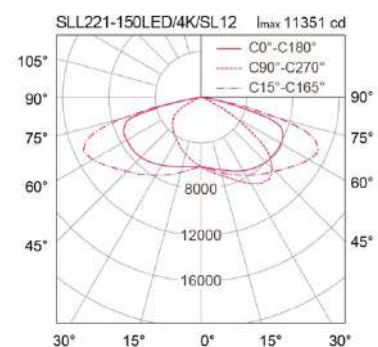
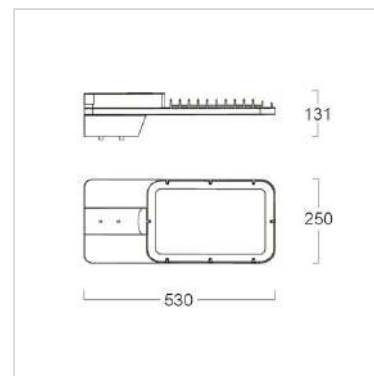
Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	250x530x131 mm.
Mounting	Side entry pole or bracket arm with OD 60x120 mm. spigot
Power	150/180W
Light Source	LED Module
Colour Temperature	4000/5700K (3000/6500K as optional)
CRI	70
Luminaire Output	150W : 24000 lm 180W : 28800 lm
Beam Angle	Street lighting distribution : SL12
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
Standard	Lighting design guidance -150W for lighting class M2 -180W for lighting class M1
IP Rating	66
Luminaire Lifetime	50,000 hrs.
Remarks	-Lighting class is referred TIS2954-2562 and CIE115-2010, Installation criteria refer to DOH standard.

Ordering Data

Model	Watt
SLL221/GY-150LED	150W
SLL221/GY-180LED	180W



LED Streetlight



SLL435

Application

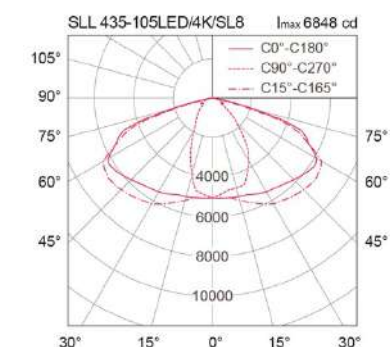
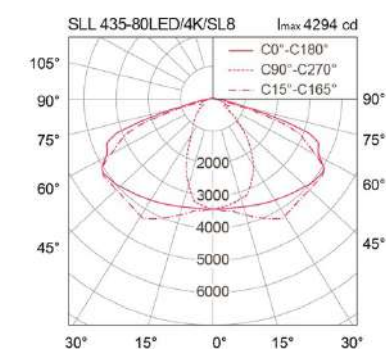
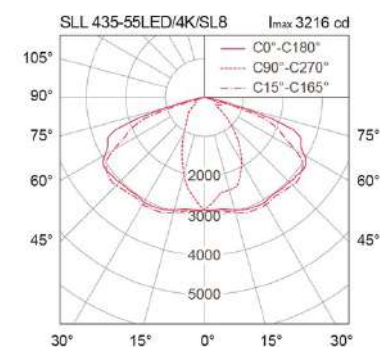
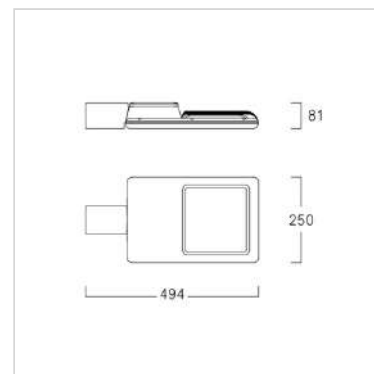
Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	250x494x81 mm.
Mounting	Side entry pole or bracket arm with OD 60x100 mm. spigot
Power	55/80/105W
Light Source	LED Module
Colour Temperature	4000/5700K (3000/6500K as optional)
CRI	70
Luminaire Output	55W : 7975 lm 80W : 11600 lm 105W : 14700 lm
Beam Angle	Street lighting distribution : SL8
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
SLL435/GY-55LED	55W
SLL435/GY-80LED	80W
SLL435/GY-105LED	105W



LED Streetlight



SLL436

Application

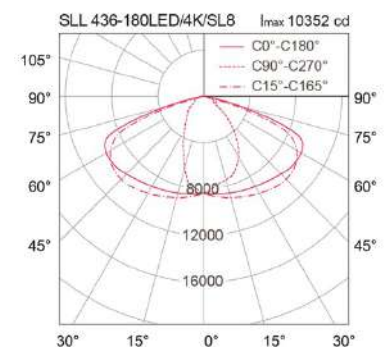
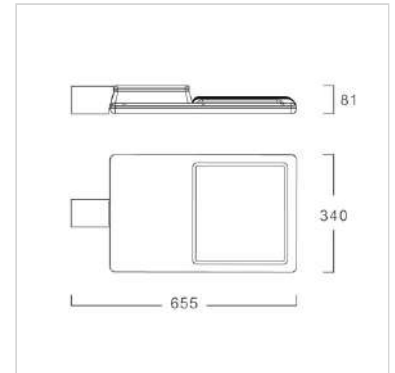
Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	340x655x81 mm.
Mounting	Side entry pole or bracket arm with OD 60x100 mm. spigot
Power	180W
Light Source	LED Module
Colour Temperature	4000/5700K (3000/6500K as optional)
CRI	70
Luminaire Output	26100 lm
Beam Angle	Street lighting distribution : SL8
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
SLL436/GY-180LED	180W



LED Solar Streetlight



SLL302/LS

Application

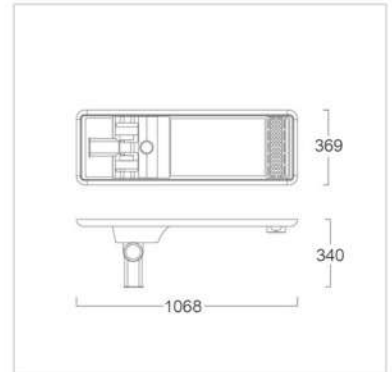
Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

Housing	Die-cast aluminium
Description	Off-grid system (Only battery back up), 12 hrs. back-up time
Finishing	Powder coated in black
Charger	Fully automatic solid state with constant voltage and limit current charging
Solar Cell	Mono-crystalline silicon, 65W 18V
Battery	Lithium iron phosphate, 30Ah 12.8V
Lens	Polycarbonate
Dimension	369x1068x340 mm.
Mounting	Side entry or straight entry pole with OD 60x80 mm. spigot
Power	30W
Light Source	LED Module
Colour Temperature	3000/4000/5700K
CRI	70
Luminaire Output	5550 lm
Control Gear	Built-in charger controller
Power Supply	-
IP Rating	66
Lamp Lifetime	50,000 hrs.

Ordering Data

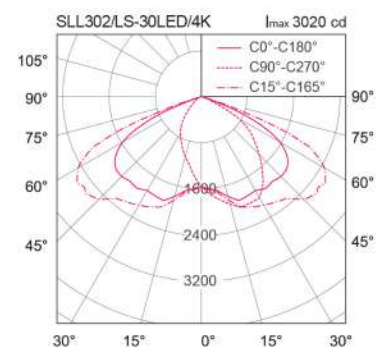
Model	Watt
SLL302/LS/BK-30LED	30W



Default Lighting Scene

Interval (Hr)	1	2	3	4	5	6	7	8	9	10	11	12
Light output	50%		100%					50%			75%	

* Customized lighting scene is available upon request.



LED Solar Streetlight



SLL302/HB

Application

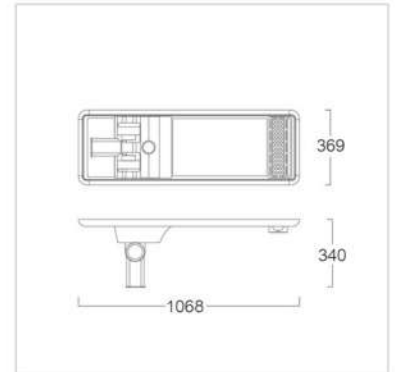
Streetlight is designed to illuminate residences, streets, access roads, parking lots, highways, expressways, industrial areas, etc.

Specification

Housing	Die-cast aluminium
Description	Hybrid system (Battery back-up and 220VAC, 50Hz input), 12 hrs. back-up time by battery
Finishing	Powder coated in black
Charger	Fully automatic solid state with constant voltage and limit current charging
Solar Cell	Mono-crystalline silicon, 65W 18V
Battery	Lithium iron phosphate, 30Ah 12.8V
Lens	Polycarbonate
Dimension	369x1068x340 mm.
Mounting	Side entry or straight entry pole with OD 60x80 mm. spigot
Power	30W
Light Source	LED Module
Colour Temperature	3000/4000/5700K
CRI	70
Luminaire Output	5550 lm
Control Gear	Built-in charger controller and driver
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Lamp Lifetime	50,000 hrs.

Ordering Data

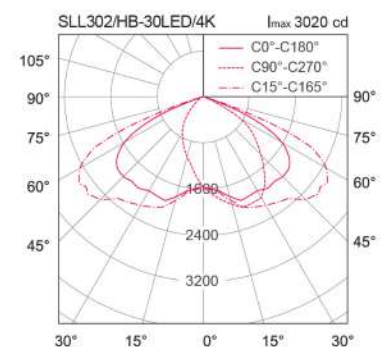
Model	Watt
SLL302/HB/BK-30LED	30W



Default Lighting Scene

Interval (Hr)	1	2	3	4	5	6	7	8	9	10	11	12
Light output	50%		100%					50%			75%	

* Customized lighting scene is available upon request.



LED Arealight



ARL435

Application

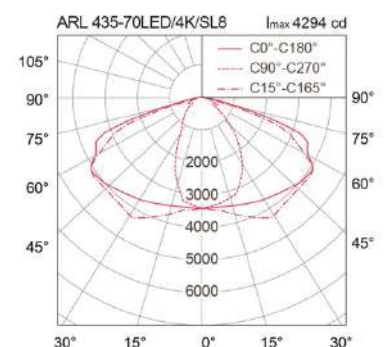
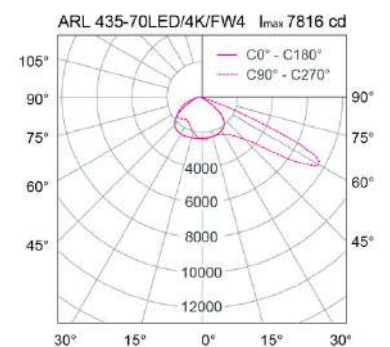
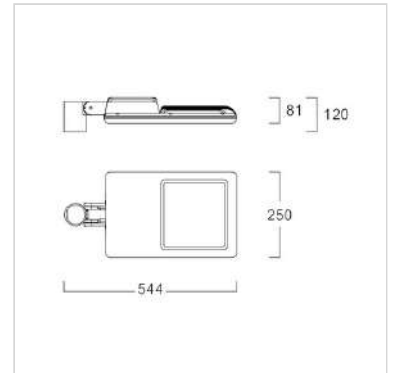
Area light luminaire is designed to illuminate shopping yards, parking lots, recreational and competition sport fields, pathways and other applications where glare limitation is required.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	250x544x120 mm.
Mounting	Straight entry pole with OD 60x100 mm. spigot
Power	55/70/105W
Light Source	LED Module
Colour Temperature	4000/5700K (3000/6500K as optional)
CRI	70
Luminaire Output	55W : 7975 lm (SL8), 6600 lm (FW4) 70W : 9800 lm (SL8), 8400 lm (FW4) 105W : 14700 lm (SL8), 12600 lm (FW4)
Beam Angle	Street lighting distribution : SL8 Forward throw distribution : FW4
Control Gear	Built-in driver
Control	DIM 0-10, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
ARL435/GY-55LED	55W
ARL435/GY-70LED	70W
ARL435/GY-105LED	105W



LED Arealight



ARL436

Application

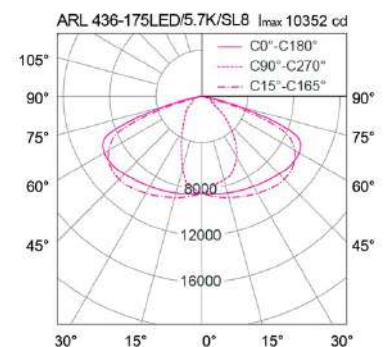
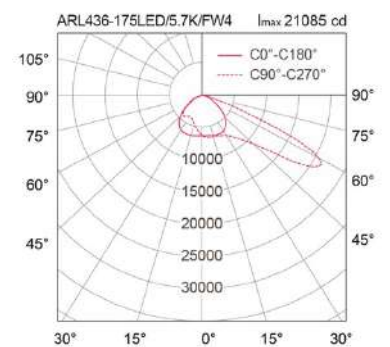
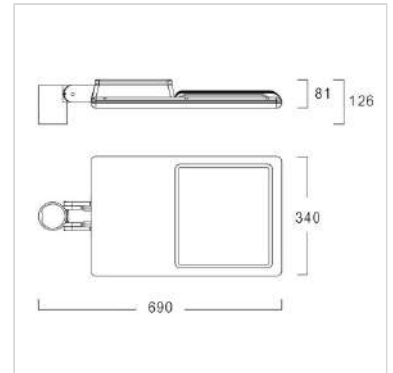
Area light luminaire is designed to illuminate shopping yards, parking lots, recreational and competition sport fields, pathways and other applications where glare limitation is required.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in grey
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	340x690x126 mm.
Mounting	Straight entry pole with OD 60x100 mm. spigot
Power	175W
Light Source	LED Module
Colour Temperature	4000/5700K (3000/6500K as optional)
CRI	70
Luminaire Output	25375 lm (SL8), 22750 lm (FW4)
Beam Angle	Street lighting distribution : SL8 Forward throw distribution : FW4
Control Gear	Built-in driver
Control	DIM 0-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
ARL436/GY-175LED	175W



LED Arealight



ARL904/A

Application

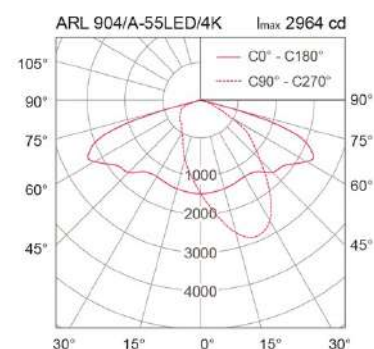
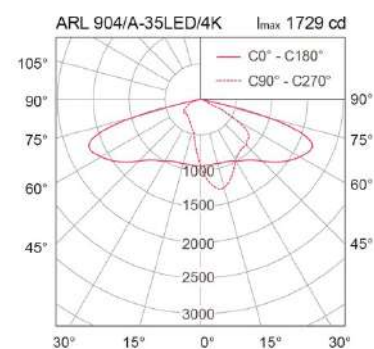
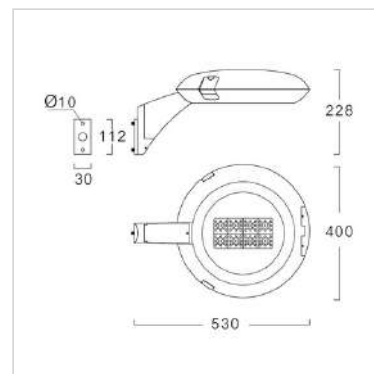
Area light luminaire is designed to illuminate shopping yards, parking lots, recreational and competition sport fields, pathways and other applications where glare limitation is required.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	400x530x228 mm.
Mounting	Surface or straight pole
Power	35/55W
Light Source	LED Module
Colour Temperature	3000/4000K (5700/6500K as optional)
CRI	70
Luminaire Output	35W : 4200 lm 55W : 6600 lm
Beam Angle	Streetlight distribution (Type II)
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	55
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
ARL904/A/BK-35LED	35W
ARL904/A/BK-55LED	55W



LED Arealight



ARL904/K

Application

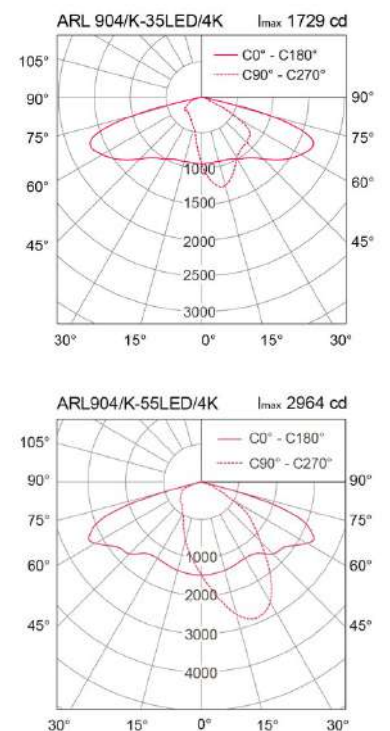
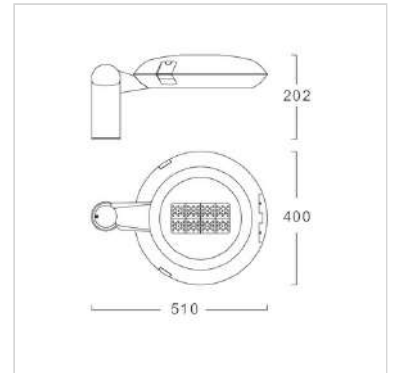
Area light luminaire is designed to illuminate shopping yards, parking lots, recreational and competition sport fields, pathways and other applications where glare limitation is required.

Specification

Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Polycarbonate
Gasket	Silicone rubber
Dimension	400x510x202 mm.
Mounting	Straight pole with OD 60x80 mm. spigot
Power	35/55W
Light Source	LED Module
Colour Temperature	3000/4000K (5700/6500K as optional)
CRI	70
Luminaire Output	35W : 4200 lm 55W : 6600 lm
Beam Angle	Streetlight distribution (Type II)
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	55
Luminaire Lifetime	50,000 hrs.

Ordering Data

Model	Watt
ARL904/K/BK-35LED	35W
ARL904/K/BK-55LED	55W



LED Arealight



ARL510

Application

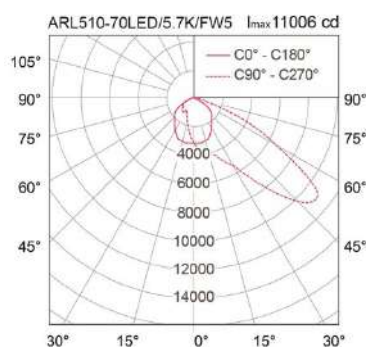
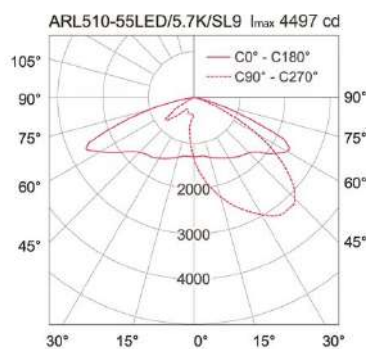
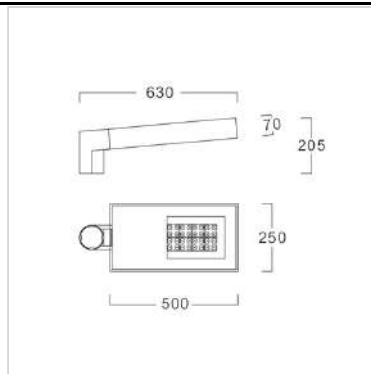
Area light luminaire is designed to illuminate shopping yards, parking lots, recreational and competition sport fields, pathways and other applications where glare limitation is required.

Specification

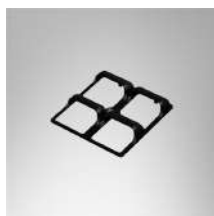
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	250x630x205 mm.
Mounting	Straight entry pole with OD 60x100 mm. spigot
Power	35/55/70/105W
Light Source	LED Module
Colour Temperature	3000/4000K (5700/6500K as optional)
CRI	70
Luminaire Output	35W : 4725 lm (SL9), 4900 lm (FW5) 55W : 7425 lm (SL9), 7700 lm (FW5) 70W : 9450 lm (SL9), 9800 lm (FW5) 105W : 13125 lm (SL9), 14175 lm (FW5)
Beam Angle	Street lighting distribution : SL9 Forward throw distribution : FW5
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

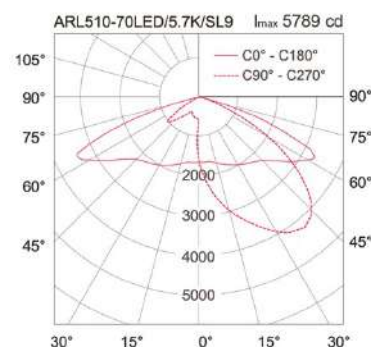
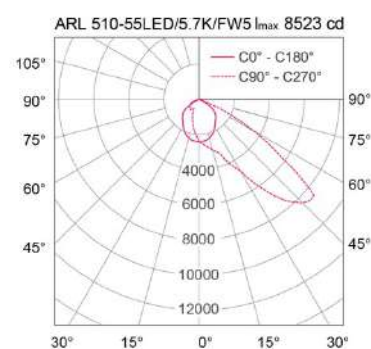
Model	Watt
ARL510/BK-35LED	35W
ARL510/BK-55LED	55W
ARL510/BK-70LED	70W
ARL510/BK-105LED	105W



Accessories



Backlight control



LED Arealight



ARL511

Application

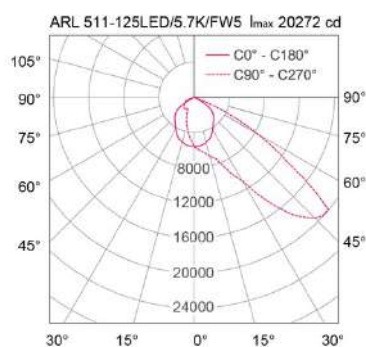
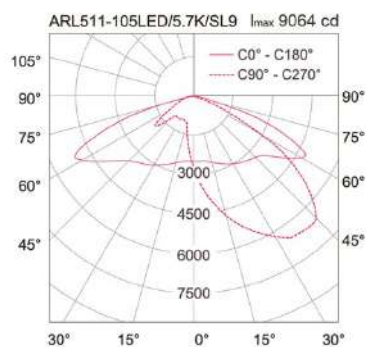
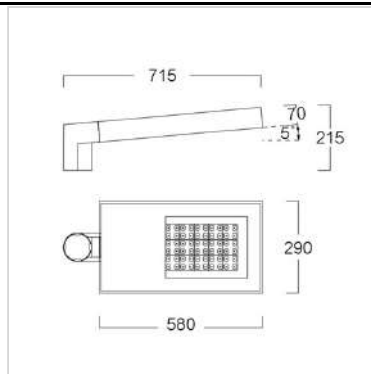
Area light luminaire is designed to illuminate shopping yards, parking lots, recreational and competition sport fields, pathways and other applications where glare limitation is required.

Specification

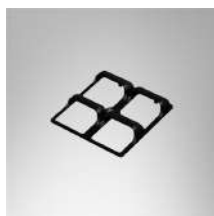
Housing	Die-cast aluminium
Front Cover	Clear toughened glass
Finishing	Powder coated in black
Lens	Acrylic (PMMA)
Gasket	Silicone rubber
Dimension	290x715x215 mm.
Mounting	Straight entry pole with OD 60x100 mm. spigot
Power	105/125/150W
Light Source	LED Module
Colour Temperature	3000/4000K (5700/6500K as optional)
CRI	70
Luminaire Output	105W : 15225 lm (SL9), 15750 lm (FW5) 125W : 17500 lm (SL9), 18125 lm (FW5) 150W : 19500 lm (SL9), 20250 lm (FW5)
Beam Angle	Street lighting distribution : SL9 Forward throw distribution : FW5
Control Gear	Built-in driver
Control	DIM 0-10/1-10V, DALI-2 DT6 (optional)
Power Supply	220-240VAC, 50Hz
Power Factor	>0.95
Insulation Class	I
IP Rating	66
Luminaire Lifetime	50,000 hrs.

Ordering Data

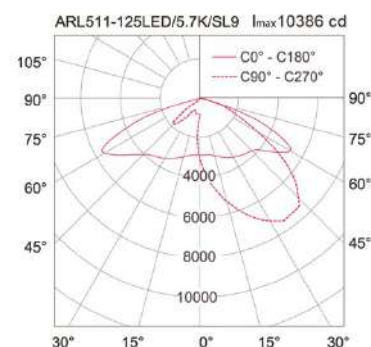
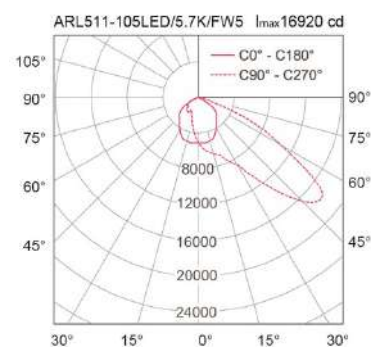
Model	Watt
ARL511/BK-105LED	105W
ARL511/BK-125LED	125W
ARL511/BK-150LED	150W



Accessories



Backlight control



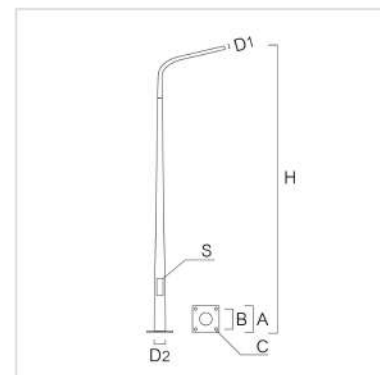
TS RTB/SB

Specification

Structure	Hot rolled steel sheet which are 3.0-4.5 mm. in thickness,service door for cable connection,spigot dimension may be varied depend on each type of luminaire
Finishing	Hot dip galvanized
Mounting	Surface

Ordering Data

Model	H	D1/D2	S	ARM	A	B	C
RTB 030/SB	3.0	60/89	55x170	0.5	200	125	22
RTB 040/SB	4.0	60/103	55x170	0.5	300	200	22
RTB 050/SB	5.0	60/113	55x170	2.0	350	250	32
RTB 060/SB	6.0	60/127	85x300	2.0	350	250	32
RTB 070/SB	7.0	60/141	85x400	2.0	350	250	32
RTB 080/SB	8.0	60/156	90x400	2.0	350	250	32
RTB 090/SB	9.0	60/170	90x400	2.5	350	250	32
RTB 100/SB	10.0	76/200	90x400	2.5	400	300	32
RTB 120/SB	12.0	76/219	95x400	2.5	450	350	32



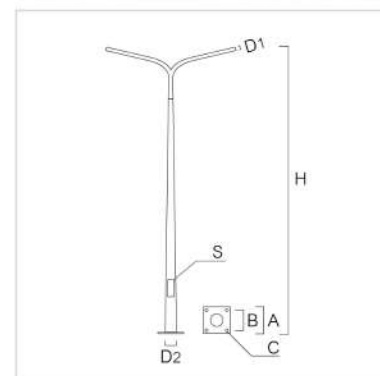
TS RTB/DB

Specification

Structure	Hot rolled steel sheet which are 3.0-4.5 mm. in thickness,service door for cable connection,spigot dimension may be varied depend on each type of luminaire
Finishing	Hot dip galvanized
Mounting	Surface

Ordering Data

Model	H	D1/D2	S	ARM	A	B	C
RTB 030/DB	3.0	60/89	55x170	0.5	200	125	22
RTB 040/DB	4.0	60/103	55x170	0.5	300	200	22
RTB 050/DB	5.0	60/113	55x170	2.0	350	250	32
RTB 060/DB	6.0	60/127	85x300	2.0	350	250	32
RTB 070/DB	7.0	60/141	85x400	2.0	350	250	32
RTB 080/DB	8.0	60/156	90x400	2.0	350	250	32
RTB 090/DB	9.0	60/170	90x400	2.5	350	250	32
RTB 100/DB	10.0	76/200	90x400	2.5	400	300	32
RTB 120/DB	12.0	76/219	95x400	2.5	450	350	32



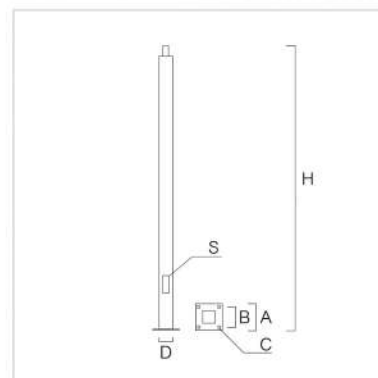
SSP

Specification

Structure	Steel square pipe, service door for cable connection, spigot dimension may be varied depend on each type of luminaire
Finishing	Powder coated
Mounting	Surface

Ordering Data

Model	H	D	S	A	B	C	T
SSP 050	5000	125	75x240	400	300	30	20
SSP 060	6000	125	75x240	400	300	30	20
SSP 080	8000	125	75x240	400	300	30	20
SSP 090	9000	125	75x240	400	300	30	20
SSP 100	10000	125	75x240	400	300	30	20



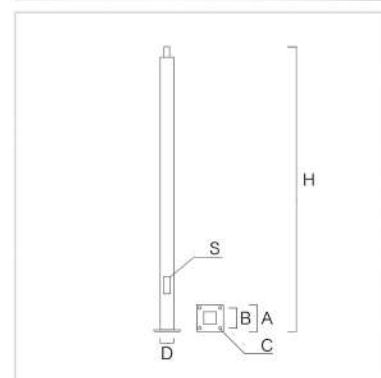
SSP/HDG

Specification

Structure	Steel square pipe, service door for cable connection, spigot dimension may be varied depend on each type of luminaire
Finishing	Hot-dip galvanized and powder coated
Mounting	Surface

Ordering Data

Model	H	D	S	A	B	C	T
SSP/HDG 050	5000	125	75x240	400	300	30	20
SSP/HDG 060	6000	125	75x240	400	300	30	20
SSP/HDG 080	8000	125	75x240	400	300	30	20
SSP/HDG 090	9000	125	75x240	400	300	30	20
SSP/HDG 100	10000	125	75x240	400	300	30	20



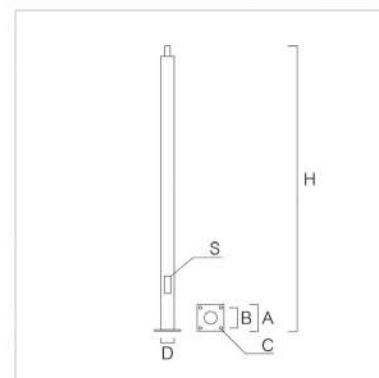
LTP

Specification

Structure	Steel round pipe, service door for cable connection, spigot dimension may be varied depend on each type of luminaire
Finishing Mounting	Hot-dip galvanized pipe and powder coated Surface

Ordering Data

Model	H	D	S	A	B	C	T
LTP 30C	3000	114	75x220	250	200	22	15
LTP 40C	4000	114	75x220	250	200	22	15
LTP 50C	5000	114	75x220	250	200	22	15
LTP 60C	6000	114	75x220	250	200	22	15
LTP 50D	5000	140	75x180	300	250	22	15
LTP 60D	6000	140	75x180	300	250	22	15
LTP 70D	7000	140	75x180	400	300	30	25
LTP 80D	8000	140	75x180	450	300	30	25



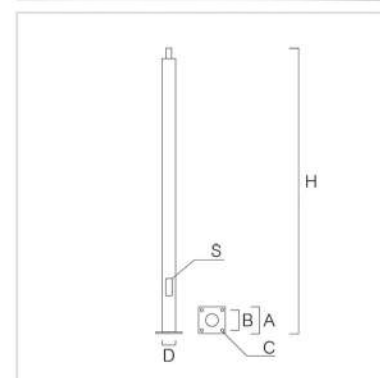
LTP/GI

Specification

Structure	Steel round pipe, service door for cable connection, spigot dimension may be varied depend on each type of luminaire
Finishing Mounting	Pre-galvanized pipe and powder coated Surface

Ordering Data

Model	H	D	S	A	B	C	T
LTP/GI 30C	3000	114	75x220	250	200	22	15
LTP/GI 40C	4000	114	75x220	250	200	22	15
LTP/GI 50C	5000	114	75x220	250	200	22	15
LTP/GI 60C	6000	114	75x220	250	200	22	15
LTP/GI 50D	5000	140	75x180	300	250	22	15
LTP/GI 60D	6000	140	75x180	300	250	22	15
LTP/GI 70D	7000	140	75x180	400	300	30	25
LTP/GI 80D	8000	140	75x180	450	300	30	25



PHILOSOPHY

1

UPHOLD FAIRNESS

2

DEDICATE TO QUALITY



3

HONEST AND PUNCTUAL

4

WORK TOGETHER AS A TEAM

VISION

To be the leading total lighting solution provider in ASEAN.

MISSION

01

DIVERSE PRODUCTS

Offer diverse and complete range of lighting products to meet every sector's requirement.

02

WELL-COVERED NETWORK

Establish well-covered marketing networks accessible to various group of customers.

03

FULLY INTEGRATED SERVICES

Provide fully integrated services for customers' advantage.

04

HIGH STANDARD MANUFACTURING

Establish high standard facilities with modern and efficient manufacturing process to respond to the market requirement.

05

MODERN INNOVATION

Establish Lighting Innovation Center to proactively innovate and develop new products to meet market requirement and establish a world class testing laboratory to facilitate new products development and innovation.

TIMELINE



more than light



1993

Started with 25 million Baht registered capital and acquired the business from Yong Enterprise Ltd. Part., a company marketing fluorescent luminaire to electrical contractors. Expanded the business to cover government agencies and has become agents for many world-class Lighting manufacturers.

1999

Strengthen the company competitiveness by acquiring T.S. Trunking Co. Ltd. (name has now been changed to L&E Manufacturing Co. Ltd.) which manufactures whole range of fluorescent lighting luminaires and trunking products. Started to expand to export market to benefit from the weak Baht at that time.



1994-1998

Expanded business by offering diverse range of lighting products. Provided lighting design and recommended proper use of lighting products to provide better value to customers. Expanded marketing network to cover project and wholesale activities.



2000-2003

Expanded business to cover modern trade market and included extensive range of decorative lighting products for residential. Established the Lighting Application Center for demonstration to customers how lighting products can be effectively applied for various applications. Developed and improved MIS and logistics system so that the company can provide faster and better services to customers.



2004

Increased registered capital to 137.50 million Baht, became a public company and listed in the Stock Exchange of Thailand



2005

Expanded manufacturing facilities to enable the company to manufacture whole range of indoor and outdoor lighting luminaires. Established representative office in Vietnam.

MAJOR MILESTONE

Lighting & Equipment Public Company Limited operates a fully integrated business in lighting products, from research and product development, has its own IEC/ISO 17025 accredited laboratory and ISO 9001 accredited manufacturing factories as well as distributes the products to all customer groups in domestic and abroad. In addition, the company provides various services for maximum benefit to customers, i.e. recommend proper products including provide lighting designs for each application, as well as offer rental products and rental lighting systems for various events. The company has diverse and complete range of lighting products that can meet the requirement of all customer groups. i.e. residential, office, commercial building, department store, showroom, retail store, museum, manufacturing factory, warehouse, historical structure, public park, stadium, street, airport, advertising box, etc.



2006

Granted 5 years corporate income tax holiday by Board of Investment for the factory expansion and manufacturing modernization of the company to improve productivity and reduce production cost.



2008

Granted Top Corporate Governance Awards, mai from Stock Exchange of Thailand.



2010

Granted IEC/ISO 17025 accreditation for lighting luminaries laboratory and ISO 9001:2008 accreditation for lighting luminaries manufacturing. Granted Top Corporate Governance Awards : mai from Stock Exchange of Thailand

2011

Established L&E Solid State Co. Ltd. to manufacture LED products which is the first Thai factory manufacturing LED lamps for lighting.



2007

Increased registered capital to 305.70 million Baht and established lighting luminaire laboratory for research and develop of lighting products as well as product quality test to ensure that products delivered to customers have good quality and meet standard.



2009

Established Lighting Solution Center, the showroom that completed with diverse range of lighting products for various life-styles, experienced lighting designers to provide recommendation and lighting design to customers including lighting showcases for customers to experience light effect, to expand marketing channel to retail customers.



2012-2013

Constantly develop LED products and launch them into the market and expand business into AEC market.
Create slogan " L&E more than...light " for communication to the market.



more than light

2015

Opened new manufacturing factories and warehouses at Ladloomkaew district, Pathumthani province, total space 80,000 SQM. comprised of : Warehouse and distribution center, total space 16,000 SQM. Assembly factory total space 5,800 SQM. LED lamps, LED components and certain LED luminaires manufacturing. factories under the subsidiary : L&E Solid State Co.,Ltd., total space 8,500 SQM. lighting luminaires and lighting poles manufacturing. factories under the subsidiary : L&E Manufacturing Co.,Ltd., total space 7,600 SQM. Established L&E Myanmar Co.,Ltd. a subsidiary in Yangon, The Republic of the Union of Myanmar.



2014

Penetrated into the consumer market by advertising it's LED lamps for the first time in the television media and other media. Increased registered capital to 494.2 million Baht. Reduced the company's PAR value from 5 Baht to 1 Baht. shift the transaction of the company's share from mai market to SET market. Opened an additional showroom, Lighting Solution Center on Ratchaprerk road.



2016 - 2017

- Established a wholly-own subsidiary, the Lighting & Equipment (Vietnam) Co., Ltd. In Dong Nai, Vietnam with the intention to import lighting product from Head Office for resale in Vietnamese market, and to manufacture lighting products for sale in Vietnamese market as well as for sale to Head Office in Thailand.
- All the 3 manufacturing factories under the company L&E Manufacturing Co., Ltd. (LEM) at Latlumkaeo Pathumthani and L&E Solid State Co., Ltd. (LES) has been assessed and conformed to the environmental system ISO 14001:2015 (TIS 14001-2559)



2018

The Grand Opening ceremony of Lighting & Equipment (Vietnam) Co.,Ltd., 12 December 2018 at Amata Industrial Estate, Dong Nai City, Vietnam.

2019

L&E was certified as Thai Innovation and Invention account by Budget Bureau about 2 products Horticultural LED Lighting and LED T8
- L&E Manufacturing Co.,Ltd. (LEM.) has been assessed and found to be conforming to the requirements of TIS 45001-2561 (ISO 45001-2018)



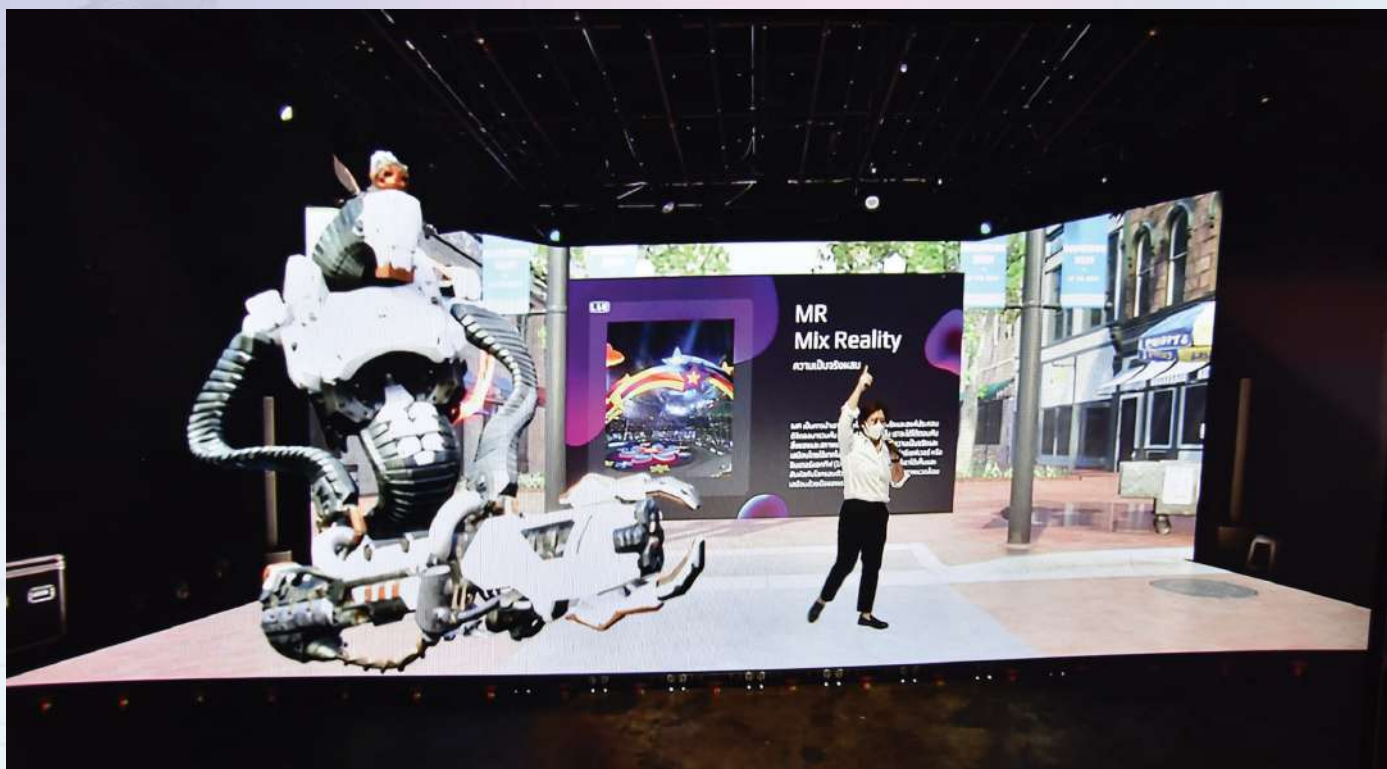
2020

- Aiming to the market for various innovative lighting products such as IOT products, lighting used in Agriculture and Medical industry, etc.
- Add a business model (Business Model) "Efficient Value Chain Management" to support mass production In order export to large customers abroad.



2021

New Business to the Lighting and Entertainment Technology Provider



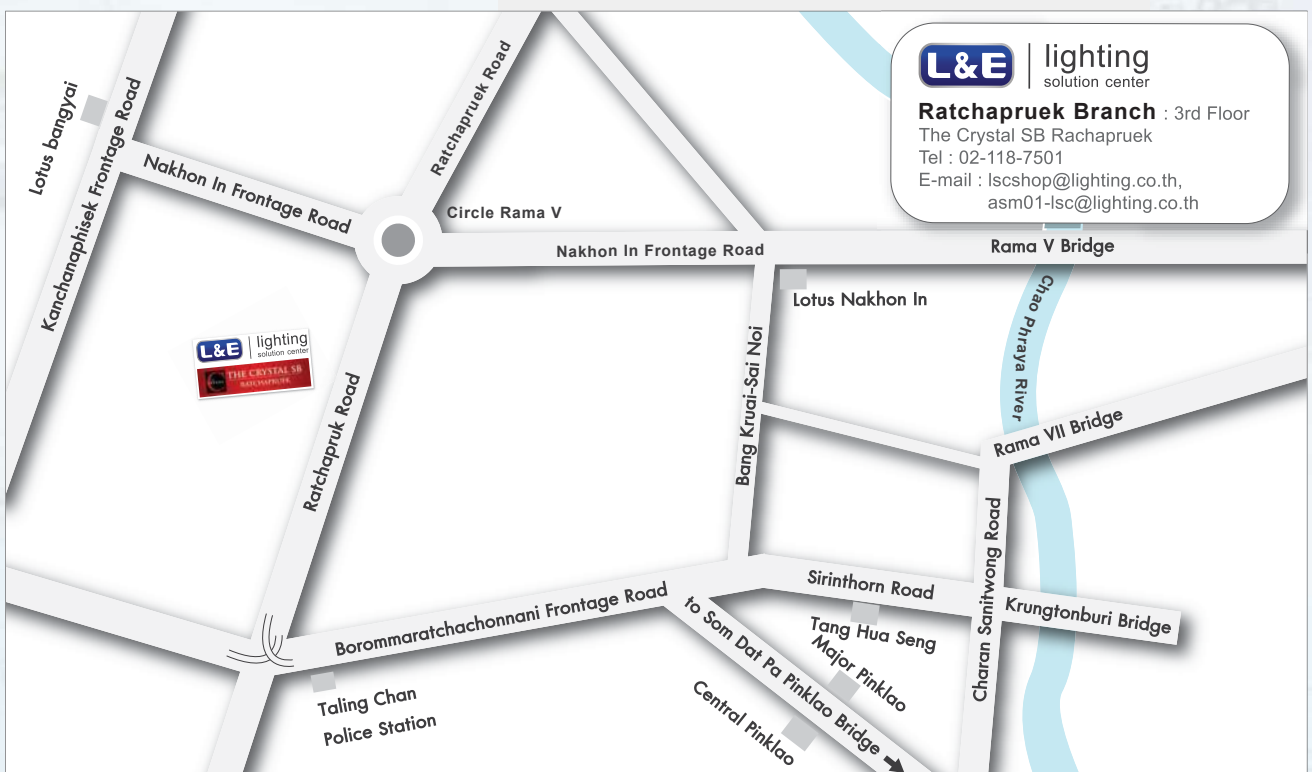
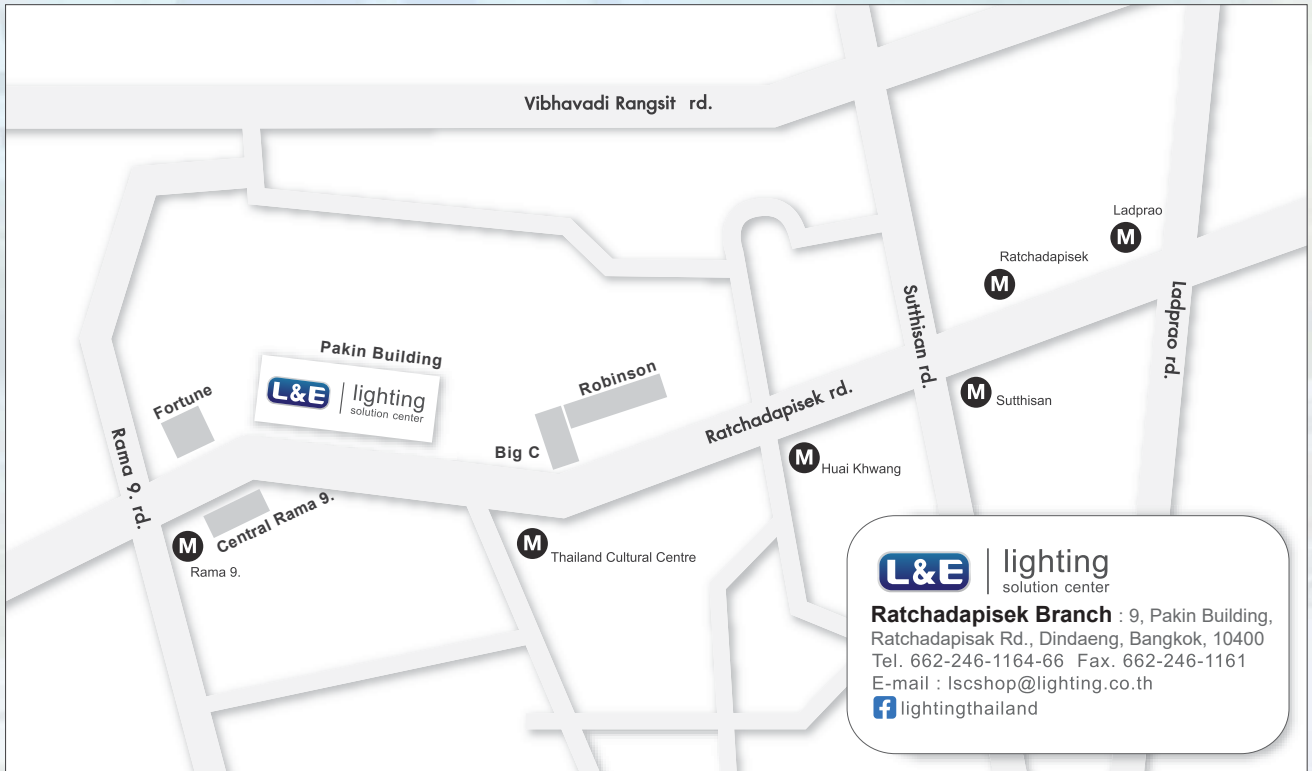
L&E

15:44

Thailand offices



Lighting solution center





more than light

Thailand offices

Lighting and Equipment Public Company Limited

Head Office

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Showroom/Lighting Solution Center

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Showroom/Lighting Solution Center

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