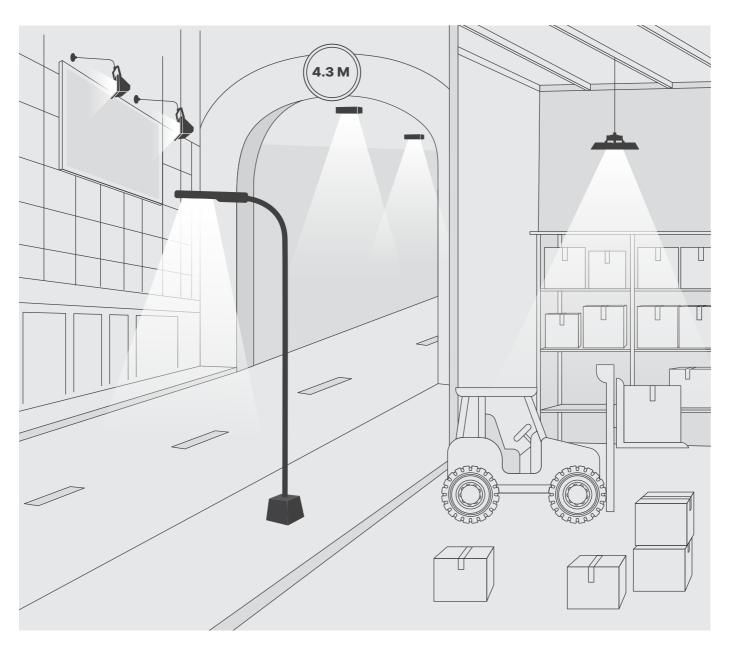


Industrial & Outdoor Lighting



LOW BAY / HIGH BAY FLOODLIGHT CANOPY STREETLIGHT AREALIGHT LIGHTING POLE

PHILOSOPHY



VISION

To be the leading total lighting solution provider in ASEAN.

MISSION



DIVERSE PRODUCTS

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



WELL-COVERED NETWORK

networks accessible to various group of customers.



FULLY INTEGRATED SERVICES

Provide fully integrated services for customers' advantage.



HIGH STANDARD MANUFACTURING

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



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





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 luminaries and trunking products. Started to expand to export market to benefit from the weak Baht at that time.



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.



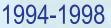
2004

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 luminaries. Established representative office in Vietnam.



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.



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 Govenance 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.



2015

Opened new manufacturing factories and warehouses at Ladloomkaew district, Pathumtani 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)



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

2019

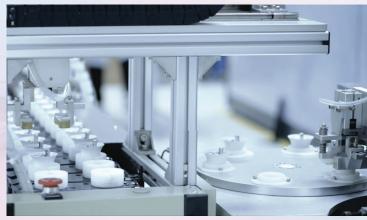
L&E was certified as Thai Innovation and Invention account by Budget Bureau about 2 products Hortucultural LED Lighting and LED T8 $\,$

- L&E Manufacturing Co.,Ltd. (LEM.) has been assesed and found to be conforming to the requirements of TIS 45001-2561 (ISO 45001-2018)



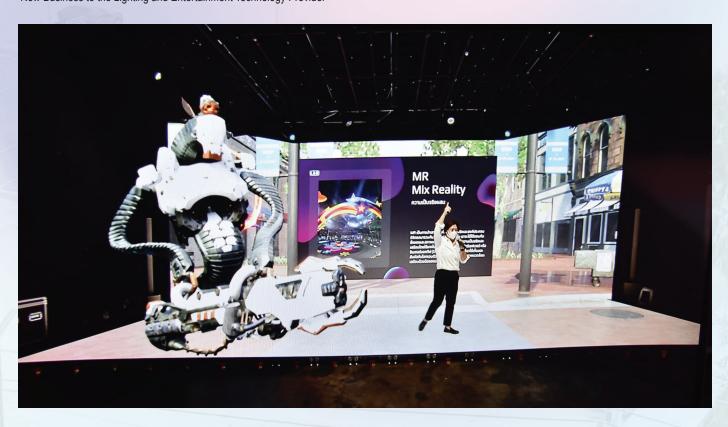


- Aiming to the market for various innovative lighting products such as IOT products, lighting used in Agriculture and Medical industry, etc.
- Add a business model (Business Model) "Efficient Value Chain Management" to support mass production In order export to large customers abroad.



2021

New Business to the Lighting and Entertainment Technology Provider



TYPE OF LED LUMINAIRE

Product range of L&E LED luminaires are devided 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.

The LED light source for completed set luminiares are devided 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

54

IEC 60529: Degrees of protection provided by enclosures

The first number: Degree of protected against Solid foreign objects

6 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

6 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.

Example:



Protection against electric shock

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



Luminaires provided with basic insulation and ground wire connection.



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)

 $\label{lem:ansatz} \mbox{ANSI C78.377-2017}: Chromaticity specifications for solid state lighting products \\ (\mbox{LED products}).$

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	

 $^{^{\}ast}$ 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

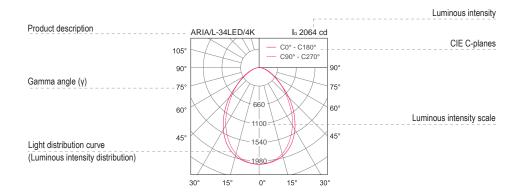
It is the luminous flux come out from lamp (Retrofit lamp) in every direction and gather in total in term of lumen.

Luminaire Output

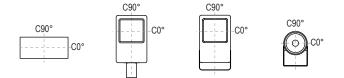
It is the luminous flux come out from luminaire in every direction and gather in total in term of lumen.

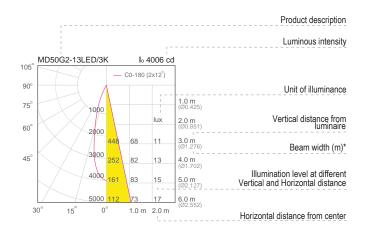
Normally, it is not equal to Lamp Output caused of there are many factor when fit lamp (Retrofit lamp) in luminaire, such as reflector, lens, housing, etc. These parts will effect or distort lumen output from lamp (Retrofit lamp).

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

Ø123

Ceiling or wall, cutout for round recessed luminaire



Ceiling or wall, cutout for square recessed luminaire



Vertical adjustment from 0° to 30°

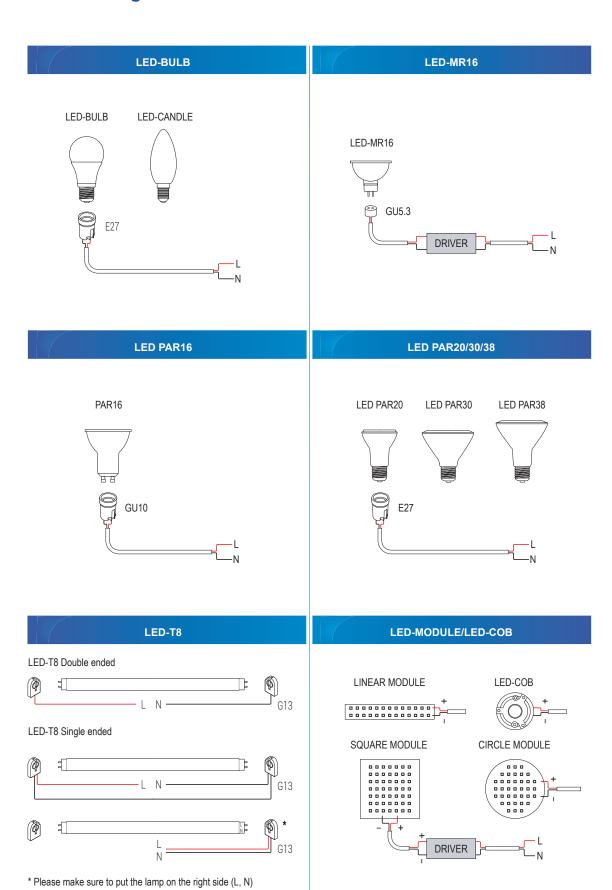


Horizontal adjustment from 0° to 358°



Two axis adjustment from 0° to 30°

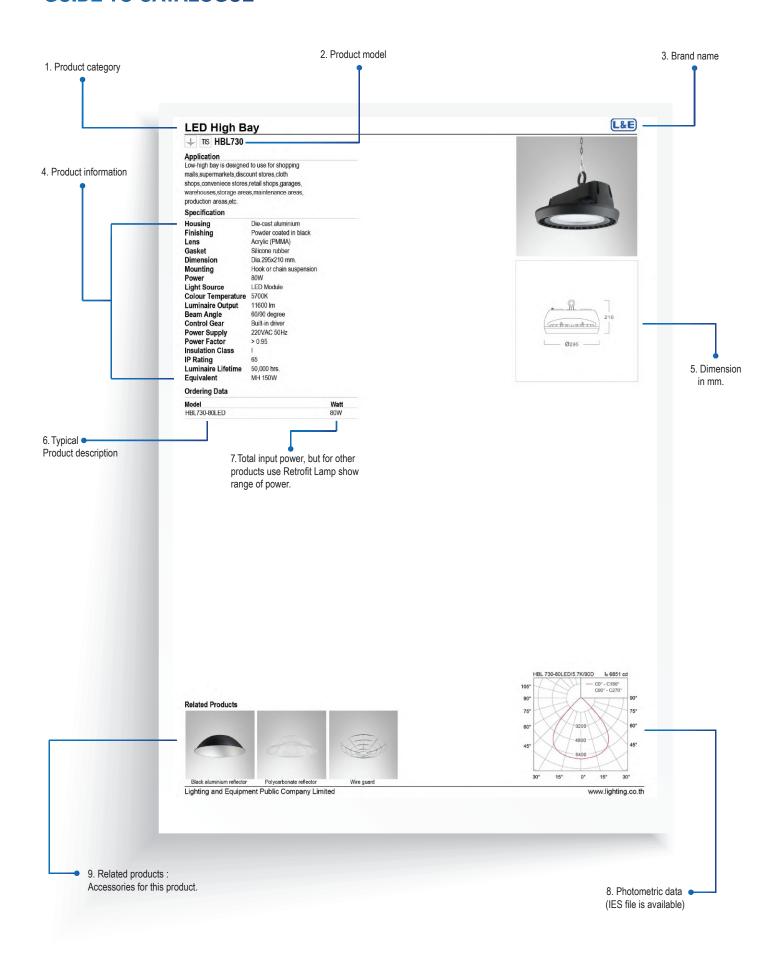
WIRING Diagram



Remark

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

GUIDE TO CATALOGUE



GUIDE TO ORDER

		Typical produ	ct description		Ado	ditional product description	on
Page no.	Model	Model's detail	Power	Lamp type	Color Temperature	Light Distribution	Other
3 20 65	HBL711 FLL211/S SLL435	/BK /BK /GY	-XX -XX -XX	LED LED LED	/XXK /XXK /XXK	/XXD /XXD /SLX	-XXX Specified by Company

The above samples identify "Typical product description" only Full of product description comprised of "Typical product description" + Additional product description

Low/High Bay

If customer would like to order luminaire \mbox{model} HBL711 with 130W, 5700K and beam angle 90 degree The full name is " HBL711/BK-130LED/5.7K/90D-XXXX"









LBL270 HBL791 HBL711 HBL771

Floodlight

The luminaires have various of power and light colour (CCT) in case customer would like to order model FLL211/S with 14W, 3000K and beam angle 24 degree
The full name is " FLL211/S/BK-14LED/3K/24D-XXXX "









S FLL435 FLL452 FLL465

Streetlight/Arealight

The luminaires have various of power and light distribution in case customer would like to order model SLL435 with 55W, 5700K and beam angle SL8
The full name is " SLL435/GY-55LED/5.7K/SL8 "









L435 ARL511 SLL5024

CONTENT

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LED Light Sources (LED Module/Lamps)

LED Module





LED-LINEAR MODULE





LED-COB

LED Lamps





















LED-T8/PREMUIM/CT





⊥ ∏S **LED-LINEAR MODULE**

Application

The LED Linear Module is designed to replace T8 fluorescent lamp which meet lux level requirement, but less power consumption and more longer lifetime.

Specification

 Structure
 PCB LED TYPE

 Power
 16.5W

 Light Source
 LED-SMD

 Colour Temperature
 3000/4000K/6500K

LED Output 2200lm

Control Gear Separted driver is required

LED Lifetime 50,000 hrs.

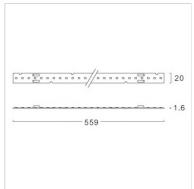
Remarks Compatible with L&E driver or other

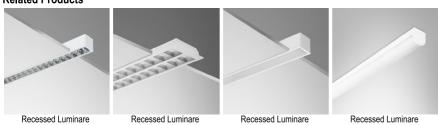
brands ,240mA : (16.5W)

Ordering Data

Model	Watt
L&E# LSM 66LED/V1/830/2ft/2200lm/56- 67V/240mA	16.5W
L&E# LSM 66LED/V1/840/2ft/2200lm/56- 67V/240mA	16.5W
L&E# LSM 66LED/V1/865/2ft/2200lm/56- 67V/240mA	16.5W









Application

This is a very powerful LED light source which is replaced compact metal halide lamp.

Specification

Housing Robust plastic material

Description Operating case temp. -40-80 degree

CRI > 90

Mounting Fix thermal pad or grease on back

side and fix to heatsink

Power 2000LM(21W)

3000LM(32W) 3000LM(32W)

Light Source LED-COB **Colour Temperature** 940/930

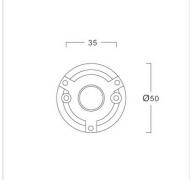
LED Output105-141 Lumen/WattControl GearSeparate driverLED Lifetime50,000 hrs.

EquivalentCompact metal halide: 35/70WRemarksCompatible with L&E driver or other
brands, 500/800mA: (21/32W)*

Ordering Data

Model	Watt
L&E#LED- MODULE-2000LM/930	21W
L&E#LED-MODULE-3000LM/930	32W
L&E#LED-MODULE-3000LM/940	32W





Related Products







Recessed downlight



Surface downlight



Application

This lamp is designed to replace CANDLE halogen lamp for energy saving, long life time and low maintenance cost.

Specification

Description Dimmable

Do not use in enclosed fixture

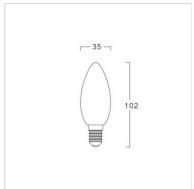
CRI > 80

Body Colour White Power 6W Lamp Holder E14 Colour Temperature 2700K **Lamp Output** 470 lm Control Gear Built-in driver **Power Supply** 220VAC,50Hz Lamp Lifetime 25,000 hrs. Equivalent Candle lamp

Ordering Data

Model	Watt
L&E#LED-CANDLE-470LM/827/6W/E14/Clear/Dim	6W











⊥ TIS LED-BULB/LPF

Application

This LED lamp is designed to replace conventional lamp which is safe cost and save energy depending on each lamp types. There is no UV,long lifetime,etc.

Specification

Housing Aluminium inside cover with plastic

Description Do not use with enclosed fixtures

Operating temperature -20 / +40 degree

Body Colour White

Power 5-15W , Pf 0.5 ,CRI >80

Light Source LED-SMD Lamp Holder E27

Colour Temperature 3000K/4000K/6500K

Lamp Output 5W:470 lm,510lm 7W:630lm,690lm

9W:810lm,850lm 10W:980lm 11W:1050lm 13W:1350lm 15W:1450lm

Control GearBuilt-in driverPower Supply220VAC,50HzLamp Lifetime25,000 hrs.

Ordering Data

Model	Watt
L&E#LED-Bulb-470LM/830/5W/E27	5W
L&E#LED-Bulb-510LM/865/5W/E27	5W
L&E#LED-Bulb-630LM/830/7W/E27(G3)	7W
L&E#LED-Bulb-690LM/865/7W/E27(G3)	7W
L&E#LED-Bulb-810LM/830/9W/E27(G3)	9W
L&E#LED-Bulb-850LM/840/9W/E27(G3)	9W
L&E#LED-Bulb-850LM/865/9W/E27(G3)	9W
L&E#LED-Bulb-980LM/865/10W/E27 (G3)	10W
L&E#LED-Bulb-1050LM/830/11W/E27(G3)	11W
L&E#LED-Bulb-1050LM/840/11W/E27(G3)	11W
L&E#LED-Bulb-1050LM/865/11W/E27(G3)	11W
L&E#LED-Bulb-1350LM/830/13W/E27	13W
L&E#LED-Bulb-1350LM/865/13W/E27	13W
L&E#LED-Bulb-1450LM/830/15W/E27	15W
L&E#LED-Bulb-1450LM/865/15W/E27	15W







Related Products





Recessed Downlight







⊥ TIS LED-MR16

Application

This lamp is designed to replace MR16 halogen lamp for energy saving, long life time and low maintenance cost

Specification

Housing Plastic with inside aluminium

Description Non-dimmable

Do not use in enclosed fixture

Body ColourWhitePower6WLight SourceLED-SMD

Colour Temperature 2700/3000/4000/6500K - CRI 80

Lamp Output 550 lm

Beam Angle 36/60degree

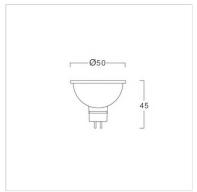
Control Gear Separated transformer

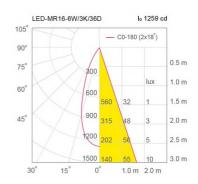
Power Supply 12V AC/DC Lamp Lifetime 15,000 hrs. Equivalent MR16 35/50W

Ordering Data

Model	Watt
L&E#LED-MR16-550LM/827/6W/GU5.3/36D	6W
L&E#LED-MR16-550LM/830/6W/GU5.3/36D	6W
L&E#LED-MR16-550LM/830/6W/GU5.3/60D	6W
L&E#LED-MR16-550LM/840/6W/GU5.3/36D	6W
L&E#LED-MR16-550LM/840/6W/GU5.3/60D	6W
L&E#LED-MR16-550LM/865/6W/GU5.3/36D	6W







LED-MR16-6W/3K/60D

150

300

450

600

750

159

90° 75° 60° 45°

105

Related Products



1.0 m 2.0 m

l_o 635 cd

0.5 m

1.0 m

1.5 m

2.0 m

2.5 m

— C0-180 (2x30°)



LED-PAR16

Application

This lamp is designed to replace PAR16 halogen lamp for energy saving, long life time and low maintenance cost.

Specification

Housing Plastic with inside aluminium

Description Dimmable

Do not use in enclosed fixture

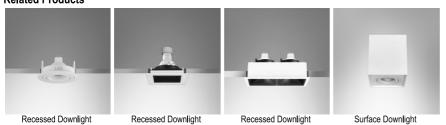
Body Colour White Power 7W **Light Source** LED-SMD **Colour Temperature** 3000K/4000K **Lamp Output** 620 Im Beam Angle 36 degree **Power Supply** 220VAC,50Hz Lamp Lifetime 15,000 hrs. Equivalent PAR16 35/50W

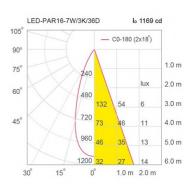
Ordering Data

Model	Watt
L&E#LED-PAR16-620LM/830/7W/GU10/36D/Dim	7W
L&E#LED-PAR16-620LM/840/7W/GU10/36D/Dim	7W











Application

This lamp is designed to replace PAR20 halogen lamp for energy saving, long life time and low maintenance cost.

Specification

Housing Plastic with inside aluminium

Description Non-Dimmable

Do not use in enclosed fixture

Body Colour White Power 6W **Light Source** LED-SMD **Colour Temperature** 3000K **Lamp Output** 540lm Beam Angle 25 degree **Power Supply** 220VAC,50Hz Lamp Lifetime 20000 hrs. Equivalent PAR20 50-75W

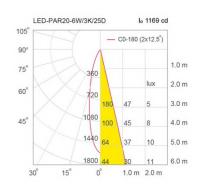
Ordering Data

Model	Watt
L&E#PAR20-540LM/830/6W/E27/25D	6W











Application

This lamp is designed to replace PAR30 halogen lamp for energy saving, long life time and low maintenance cost.

Specification

Housing Plastic with inside aluminium

Description Non-Dimmable

Do not use in enclosed fixture

Body Colour White Power 10W **Light Source** LED-SMD **Colour Temperature** 3000K **Lamp Output** 950lm Beam Angle 25 degree **Power Supply** 220VAC,50Hz Lamp Lifetime 20,000 hrs. PAR30 75-100W Equivalent

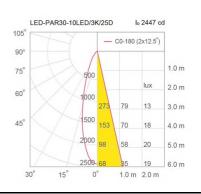
Ordering Data

Model	Watt
L&E#PAR30-950LM/830/10W/E27/25D	10W











LED-T8/INVESTMENT/CT

Application

This LED lamp is designed to replace conventional lamp which is safe cost and save energy depending on each lamp types. There is no UV,long lifetime,etc.

Specification

Power

HousingFrosted Glass TubeDescriptionEnergy saving up to 70%

No UV

Non-dimmable 840 : 4000K 865 : 6500K

TIS 1955-2551 and TIS 2779-2562 7W, Pf >0.9, CRI>80 and THDi <20%

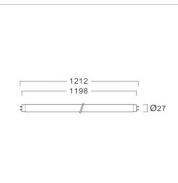
14W, Pf >0.9, CRI>80 and THDi <20%

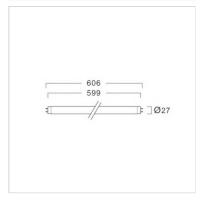
LED-SMD **Light Source** Lamp Holder G13 Colour Temperature 4000/6500K Lamp Output 1100lm/2100 lm Beam Angle > 200 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz Lamp Lifetime 25,000 hrs. Equivalent T8:18/36W

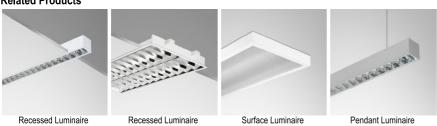
Ordering Data

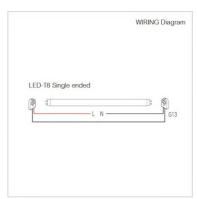
Model	Watt
L&E#Investment LED-T8-1100LM/840/7W/CT	7W
L&E#Investment LED-T8-1100LM/865/7W/CT	7W
L&E#Investment LED-T8-2100LM/840/14W/CT	14W
L&E#Investment LED-T8-2100LM/865/14W/CT	14W













LED-T8/STD/CT

Application

This LED lamp is designed to replace conventional lamp which is safe cost and save energy depending on each lamp types. There is no UV,long lifetime,etc.

Specification

HousingHigh quality plasticDescriptionEnergy saving up to 65%

No UV

Non-dimmable 830 : 3000K 840 : 4000K 865 : 6500K

TIS 1955-2551 and TIS 2779-2562

Safety 9W, Pf >0.9, CRI>80 and THDi <15% * 16W, Pf >0.9, CRI>80 and THDi <15% *

 Power
 9/16W

 Light Source
 LED-SMD

 Colour Temperature
 3000/4000/6500K

 Lamp Output
 1050/2000/2100Im

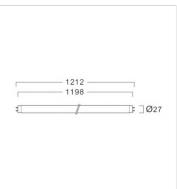
(See.Detial in ordering data)

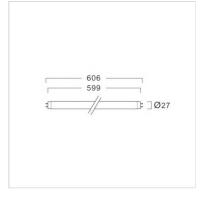
Beam Angle> 160 degreeControl GearBuilt-in driverPower Supply220-240VAC,50HzLamp Lifetime40,000 hrs.EquivalentT8:18/36W

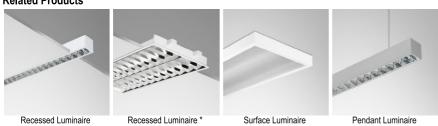
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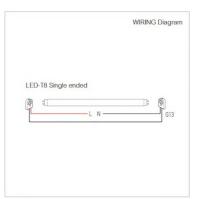
Model	Watt
L&E#STD LED-T8-1050LM/830/9W/CT	9W
L&E#STD LED-T8-1050LM/840/9W/CT	9W
L&E#STD LED-T8-1050LM/865/9W/CT	9W
L&E#STD LED-T8-2000LM/830/16W/CT	16W
L&E#STD LED-T8-2100LM/840/16W/CT	16W
L&E#STD LED-T8-2100LM/865/16W/CT	16W













⊥ ∏S **LED-T8/PREMIUM/CT**

Application

This LED lamp is designed to replace conventional lamp which is safe cost and save energy depending on each lamp types. There is no UV,long lifetime,etc.

Specification

Housing High quality plastic *

Description Energy saving up to 70%

No UV

Non-dimmable 830 : 3000K 840 : 4000K 865 : 6500K

TIS 1955-2551 and TIS 2779-2562 **Power**8W, Pf > 0.9, CRI>80 and THDi < 10%

14W, Pf >0.9, CRI>80 and THDi <10%

 Light Source
 LED-SMD

 Colour Temperature
 3000/4000/6500K

 Lamp Output
 1050/2000/2100lm

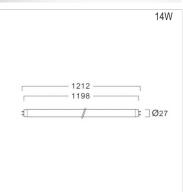
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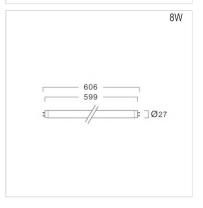
Beam Angle> 160 degreeControl GearBuilt-in driverPower Supply220-240VAC,50HzLamp Lifetime50,000 hrs.EquivalentT8:18/36W

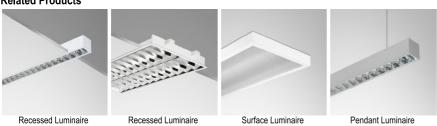
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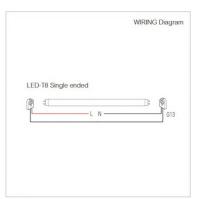
Model	Watt
L&E#Premium LED-T8-1050LM/840/8W/CT	8W
L&E#Premium LED-T8-1050LM/865/8W/CT	8W
L&E#Premium LED-T8-2000LM/830/14W/CT	14W
L&E#Premium LED-T8-2100LM/840/14W/CT	14W
L&E#Premium LED-T8-2100LM/865/14W/CT	14W













Indoor Lighting

Low/High Bay

Indoor Lighting (Low/High Bay)

Low Bay Luminaire



High Bay Luminaires





Outdoor Lighting (Floodlight/Spotlight)





FLL466



Outdoor Lighting (Canopy/Streetlight/Arealight)

Canopy Luminaires















Streetlight Luminaires

























Solar Streetlight Luminaires















Arealight Luminaires















Street Lighting Poles











⊥ TIS LBL270

Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops,conveniece 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

40W Power **Light Source** LED Module Colour Temperature 5700K **Luminaire Output** 5600 lm **Beam Angle** 98 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

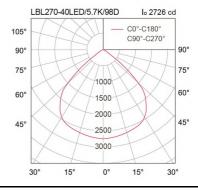
Power Factor >0.95 **Insulation Class** IP Rating 20 **Luminaire Lifetime** 50.000 hrs MH 100W Equivalent

Ordering Data

Model	Watt
LBL270-40LED	40W









⊥ TIS HBL710

Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, conveniece 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

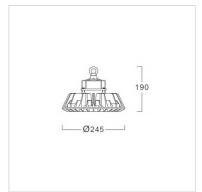
Power80WLight SourceLED ModuleColour Temperature5700KLuminaire Output12800 lmBeam Angle90 degreeControl GearBuilt-in driverPower Supply220-240VAC,50Hz

Power Factor >0.95 Insulation Class I IP Rating 65 Luminaire Lifetime 50,000 hrs. Equivalent MH 150W

Ordering Data

Model	Watt
HBL710-80LED	80W





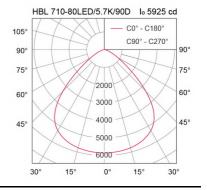
Related Products



Black aluminium reflector









HBL711

Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, conveniece 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

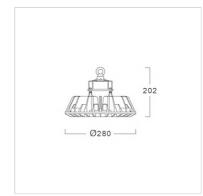
Power 130W **Light Source** LED Module **Colour Temperature** 5700K **Luminaire Output** 20800 lm **Beam Angle** 90 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

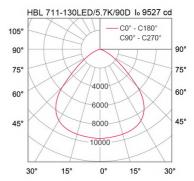
Power Factor >0.95 **Insulation Class** IP Rating 65 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 250W

Ordering Data

Model	Watt
HBI 711-130I FD	130W







Related Products







Black aluminium reflector

Polycarbonate reflector

U-bracket

<u></u> тіѕ **HBL712**

Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, conveniece 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. Hook or chain suspension Mounting

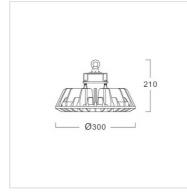
Power 200W **Light Source** LED Module **Colour Temperature** 5700K **Luminaire Output** 32000 lm **Beam Angle** 90 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

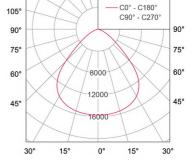
Power Factor >0.95 **Insulation Class** IP Rating 65 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 400W

Ordering Data

-	
Model	Watt
HBI 712-200I FD	200W







HBL 712-200LED/5.7K/90D lo 15706 cd

Related Products



Black aluminium reflector



Polycarbonate reflector

U-bracket



Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, conveniece 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.205x154 mm.
Mounting Hook or chain suspension

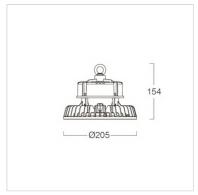
Power 80W
Light Source LED Module
Colour Temperature 5700K
Luminaire Output 12000 Im
Beam Angle 95 degree
Control Gear Built-in driver
Power Supply 220-240VAC,50Hz

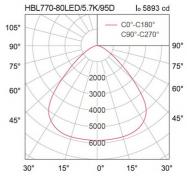
Power Factor >0.95 Insulation Class I IP Rating 65 Luminaire Lifetime 50,000 hrs. Equivalent MH 150W

Ordering Data

Model	Watt
HBL770-80LED	80W









Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, conveniece 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.235x162 mm. Mounting Hook or chain suspension

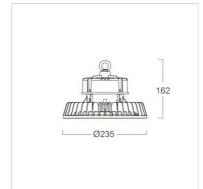
Power 130W **Light Source** LED Module **Colour Temperature** 5700K **Luminaire Output** 19500 lm **Beam Angle** 90 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

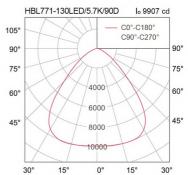
Power Factor >0.95 **Insulation Class** IP Rating 65 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 250W

Ordering Data

Model	Watt
HBL771-130LED	130W







Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, conveniece 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.265x172 mm. Mounting Hook or chain suspension

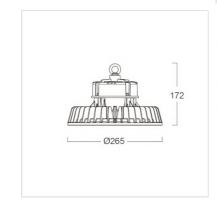
Power 200W **Light Source** LED Module **Colour Temperature** 5700K **Luminaire Output** 30000 lm **Beam Angle** 95 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

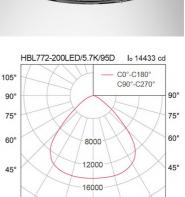
Power Factor >0.95 **Insulation Class** IP Rating 65 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 400W

Ordering Data

Model	Watt
HBL772-200LED	200W







0°

15°

30

15°

30



Application

Low-high bay is designed to use for shopping malls, supermarkets, discount stores, cloth shops, conveniece 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

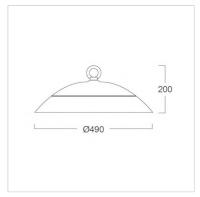
Power200WLight SourceLED ModuleColour Temperature5700KLuminaire Output29000 ImBeam Angle90 degreeControl GearBuilt-in driverPower Supply220-240VAC,50Hz

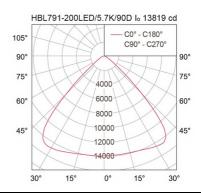
Power Factor >0.95 Insulation Class I IP Rating 65 Luminaire Lifetime 50,000 hrs.

Ordering Data

Model	Watt
HBL791-200LED	200W







6







⊥ ⊓S 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

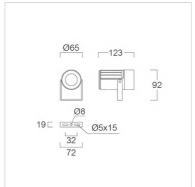
Housing Die-cast aluminium Front Cover Clear toughened glass **Finishing** Powder coated in black Gasket Silicone rubber Dimension 72x123x92 mm. Mounting Surface Power 5W **Light Source** LED-COB **Colour Temperature** 3000K **Luminaire Output** 345 lm **Beam Angle** 20 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz **Power Factor**

>0.5 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 30,000 hrs. MR16 50W Equivalent

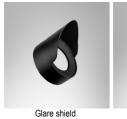
Ordering Data

Model	Watt
FLL601-5LED	5W

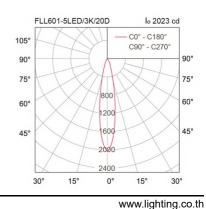




Related Products









⊥ TIS FLL611

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 Gasket Silicone rubber **Dimension** 110x170x180 mm. Mounting Surface **Power** 16W

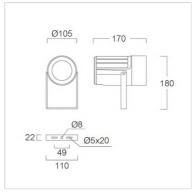
LED-COB **Light Source Colour Temperature** 3000K **Luminaire Output** 960 lm **Beam Angle** 22 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

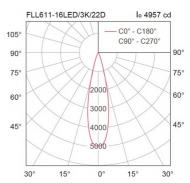
Power Factor >0.5 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 30.000 hrs. PAR30 100W Equivalent

Ordering Data

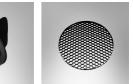
Model	Watt
FLL611-16LED	16W







Related Products



Glare shield

Honey comb



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

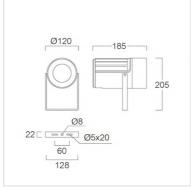
Housing Die-cast aluminium **Front Cover** Clear toughened glass **Finishing** Powder coated in black Gasket Silicone rubber Dimension 128x185x205 mm.

Mounting Surface Power 32W **Light Source** LED-COB **Colour Temperature** 3000K **Luminaire Output** 2190 lm **Beam Angle** 24 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

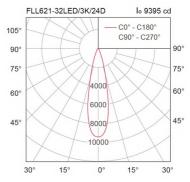
Power Factor >0.95 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 30,000 hrs. MH 70W Equivalent

Model	Watt
FLL621-32LED	32W











Glare shield

Honey comb



__ TIS 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

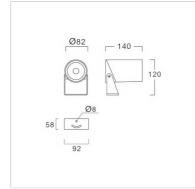
Housing Die-cast aluminium Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 92x140x120 mm. Mounting Surface **Power** 5W LED-COB **Light Source Colour Temperature** 3000/4000K **Luminaire Output** 360 lm **Beam Angle** 12/24/36 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

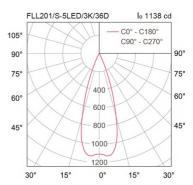
Power Factor >0.35 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 30.000 hrs. Equivalent MR16 50W

Ordering Data

Model	Watt
FLL201/S-5LED	5W







Related Products







Ground spike

Tree strap

Honey comb

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.

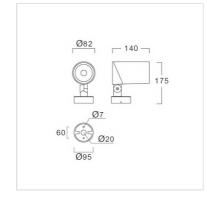
Specification

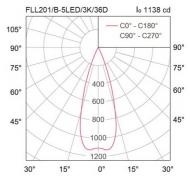
Housing Die-cast aluminium **Finishing** Powder coated in black Clear toughened glass Lens Gasket Silicone rubber **Dimension** 95x140x175 mm. Mounting Surface Power 5W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 360 lm **Beam Angle** 12/24/36 degree **Control Gear** Built-in driver 220-240VAC,50Hz **Power Supply**

Power Factor >0.35 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 30,000 hrs. MR16 50W Equivalent

Model	Watt
FLL201/B-5LED	5W







Related Products



Honey comb



⊥ TIS 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

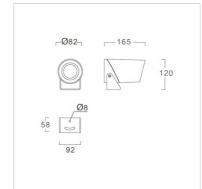
Housing Die-cast aluminium Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 92x165x120 mm. Mounting Surface **Power** 5W LED-COB **Light Source Colour Temperature** 3000/4000K **Luminaire Output** 360 lm **Beam Angle** 12/24/36 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

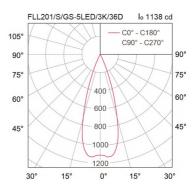
Power Factor >0.35 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 30.000 hrs. Equivalent MR16 50W

Ordering Data

Model	Watt
FLL201/S/GS-5LED	5W







Related Products







Ground spike

Tree strap

Honey comb

☐ TIS 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.

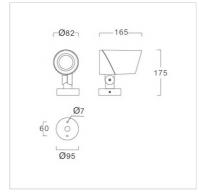
Specification

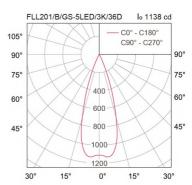
Housing Die-cast aluminium **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 95x165x175 mm. Mounting Surface Power 5W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 360 lm **Beam Angle** 12/24/36 degree **Control Gear** Built-in driver

220-240VAC,50Hz **Power Supply Power Factor** >0.35 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 30,000 hrs. MR16 50W Equivalent

Model	Watt
FLL201/B/GS-5LED	5W







Related Products



Honey comb



☐ TIS FLL201/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

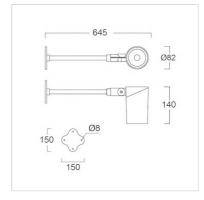
Housing Die-cast aluminium Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 82x645x140 mm. Mounting Surface **Power** 5W LED-COB **Light Source Colour Temperature** 3000/4000K **Luminaire Output** 360 lm **Beam Angle** 12/24/36 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

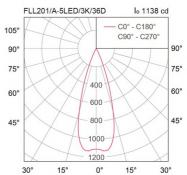
Power Factor >0.35 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 30.000 hrs. Equivalent MR16 50W

Ordering Data

Model	Watt
FLL201/A-5LED	5W







Related Products



Honey comb

⊥ тв **FLL201/С**

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 Clear toughened glass Lens Gasket Silicone rubber **Dimension** 82x140x240 mm.

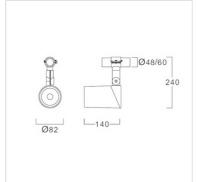
Mounting Clamp with pipe (OD 48/60 mm.)

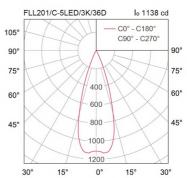
Power **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 360 lm **Beam Angle** 12/24/36 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

Power Factor >0.35 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 30,000 hrs. MR16 50W Equivalent

Model	Watt
FLL201/C-5LED	5W







Related Products



Honey comb



☐ TIS 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 Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 82x645x165 mm. Mounting Surface **Power** 5W LED-COB **Light Source Colour Temperature** 3000/4000K **Luminaire Output** 360 lm **Beam Angle** 12/24/36 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

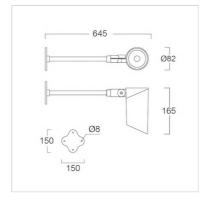
Power Factor >0.35 **Insulation Class**

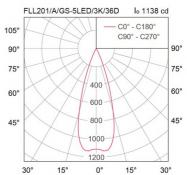
Luminaire Lifetime 30.000 hrs. Equivalent MR16 50W

Ordering Data

Model	Watt
FLL201/A/GS-5LED	5W







Related Products



Honey comb

☐ TIS 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 **Finishing** Powder coated in black Clear toughened glass Lens Gasket Silicone rubber **Dimension** 82x165x240 mm.

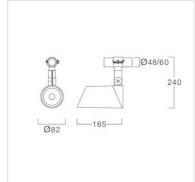
Mounting Clamp with pipe (OD 48/60 mm.)

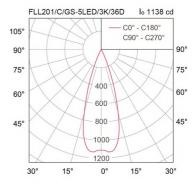
Power **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 360 lm **Beam Angle** 12/24/36 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz **Power Factor** >0.35

Insulation Class IP Rating 66 **Luminaire Lifetime** 30,000 hrs. MR16 50W Equivalent

Model	Watt
FLL201/C/GS-5LED	5W







Related Products



Honey comb



⊥ TIS 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 Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 120x160x155 mm. Mounting Surface 14W **Power** LED-COB **Light Source Colour Temperature** 3000/4000K **Luminaire Output** 1190 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver

Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50.000 hrs. PAR30 100W Equivalent

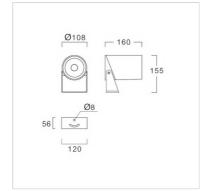
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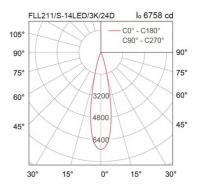
Power Supply

Model	Watt
FLL211/S-14LED	14W

220-240VAC,50Hz







Related Products







Tree strap

Honey comb

⊥ тѕ **FLL211/В**

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

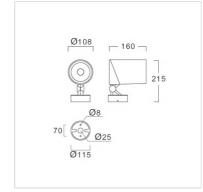
Housing Die-cast aluminium **Finishing** Powder coated in black Clear toughened glass Lens Gasket Silicone rubber **Dimension** 115x160x215 mm. Mounting Surface 14W

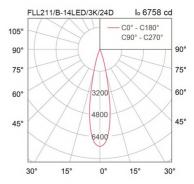
Power **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 1190 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50,000 hrs. Equivalent PAR30 100W

Model	Watt
FLL211/B-14LED	14W







Related Products



Honey comb



☐ TIS 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 Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 120x200x155 mm. Mounting Surface **Power** 14W

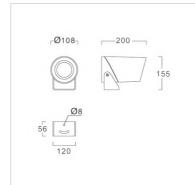
LED-COB **Light Source Colour Temperature** 3000/4000K **Luminaire Output** 1190 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

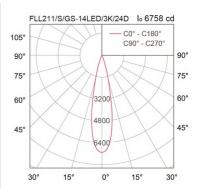
Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50.000 hrs. PAR30 100W Equivalent

Ordering Data

Model	Watt
FLL 211/S/GS-14LFD	14W







Related Products







Tree strap Honey comb

☐ TIS 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

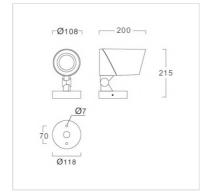
Housing Die-cast aluminium **Finishing** Powder coated in black Clear toughened glass Lens Gasket Silicone rubber 115x200x215 mm. **Dimension**

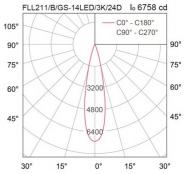
Mounting Surface Power 14W **Light Source** LED-COB Colour Temperature 3000/4000K **Luminaire Output** 1190 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver 220-240VAC,50Hz **Power Supply**

Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50,000 hrs. Equivalent PAR30 100W

Model	Watt
FLL211/B/GS-14LED	14W







Related Products



Honey comb



☐ TIS 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 Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 108x675x160 mm. Mounting Surface **Power** 14W

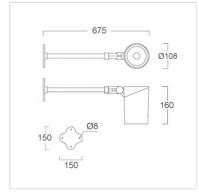
LED-COB **Light Source Colour Temperature** 3000/4000K **Luminaire Output** 1190 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

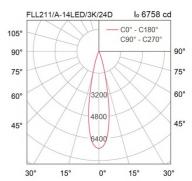
Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50.000 hrs. PAR30 100W Equivalent

Ordering Data

Model	Watt
FLL211/A-14LED	14W







Related Products



Honey comb

⊥ тіѕ **FLL211/С**

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 Clear toughened glass Gasket Silicone rubber **Dimension** 108x160x271 mm.

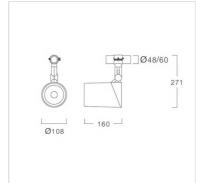
Mounting Clamp with pipe (OD 48/60 mm.)

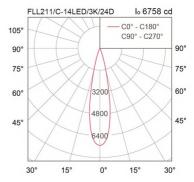
Power 14W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 1190 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz **Power Factor** >0.9

Insulation Class IP Rating 66 **Luminaire Lifetime** 50,000 hrs. PAR30 100W Equivalent

Model	Watt
FLL211/C-14LED	14W







Related Products



Honey comb



⊥ TIS 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 Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 108x675x200 mm. Mounting Surface **Power** 14W **Light Source** LED-COB

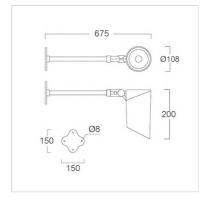
Colour Temperature 3000/4000K **Luminaire Output** 1190 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

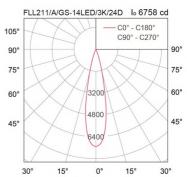
Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50.000 hrs. PAR30 100W Equivalent

Ordering Data

Model	Watt
FLL211/A/GS	14W







Related Products



Honey comb

☐ TIS 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 **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 108x200x271 mm.

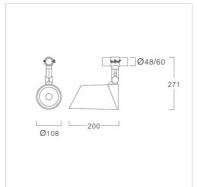
Mounting Clamp with pipe (OD 48/60 mm.)

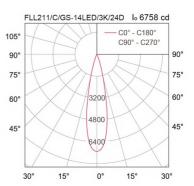
Power 14W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 1190 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50,000 hrs. PAR30 100W Equivalent

Model	Watt
FLL211/C/GS-14LED	14W







Related Products



Honey comb





__ 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

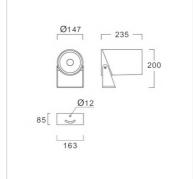
Housing Die-cast aluminium **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 163x235x200 mm.

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

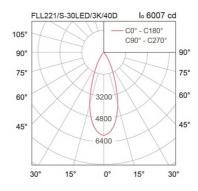
Power Factor >0.95 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50.000 hrs. MH 70W Equivalent

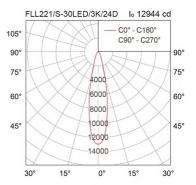
Ordering Data

Model	Watt
FLL221/S-30LED	30W









Related Products





Ground spike

I_o 6007 cd

90°

75

60°

45°

309

C0° - C180°

C90° - C270°

15

Tree strap

Honey comb



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

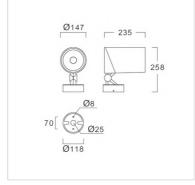
Housing Die-cast aluminium **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber 147x235x258 mm. **Dimension** Surface

Mounting 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** IP Rating 66 **Luminaire Lifetime** 50,000 hrs. MH 70W Equivalent

Ordering Data

Model	Watt
FLL221/B-30LED	30W



3200

4800

6400

0

FLL221/B-30LED/3K/40D

159

105

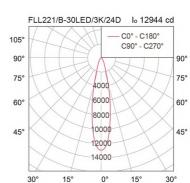
909

75

60°

45°

309



Related Products



Honey comb



⊥ TIS 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 **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 162x300x198 mm. Surface

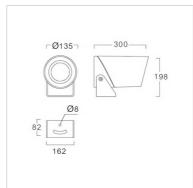
Mounting **Power** 30W LED-COB **Light Source Colour Temperature** 3000/4000K **Luminaire Output** 3000 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

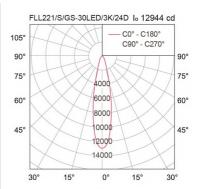
Power Factor >0.95 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50.000 hrs. MH 70W Equivalent

Ordering Data

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







Related Products







Tree strap

Honey comb

☐ TIS 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

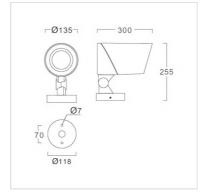
Housing Die-cast aluminium **Finishing** Powder coated in black Clear toughened glass Lens Gasket Silicone rubber **Dimension** 135x300x255 mm. Mounting Surface

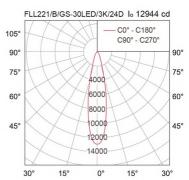
Power 30W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 3000 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver 220-240VAC,50Hz **Power Supply**

Power Factor >0.95 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50,000 hrs. MH 70W Equivalent

Model	Watt
FLL221/B/GS-30LED	30W







Related Products



Honey comb



☐ TIS 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 Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 147x715x235 mm. Mounting Surface **Power** 30W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 3000 lm

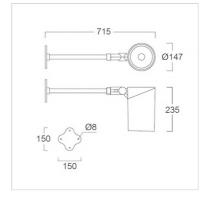
Beam Angle 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz **Power Factor** >0.95 **Insulation Class**

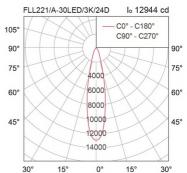
IP Rating 66 **Luminaire Lifetime** 50.000 hrs. Equivalent MH 70W

Ordering Data

Model	Watt
FLL221/A-30LED	30W







Related Products



Honey comb

⊥ TIS 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 **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 147x235x361 mm.

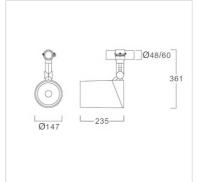
Mounting Clamp with pipe (OD 48/60 mm.)

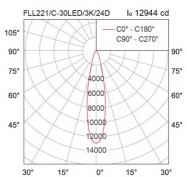
Power 30W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 3000 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz **Power Factor** >0.95

Insulation Class IP Rating 66 **Luminaire Lifetime** 50,000 hrs. MH 70W Equivalent

Model	Watt
FLL221/C-30LED	30W







Related Products



Honey comb



☐ TIS 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 **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 147x715x300 mm. Mounting Surface **Power** 30W **Light Source** LED-COB

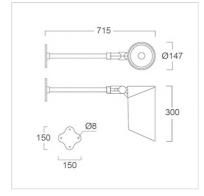
Colour Temperature 3000/4000K **Luminaire Output** 3000 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

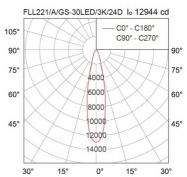
Power Factor >0.95 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50.000 hrs. Equivalent MH 70W

Ordering Data

Model	Watt
FLL221/A/GS-30LED	30W







Related Products



Honey comb

☐ TIS FLL221/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 **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 147x300x361 mm.

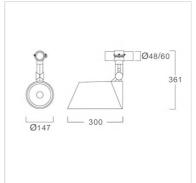
Mounting Clamp with pipe (OD 48/60 mm.)

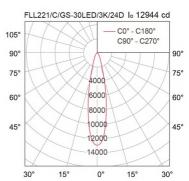
Power 30W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 3000 lm **Beam Angle** 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

Power Factor >0.95 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50,000 hrs. MH 70W Equivalent

Model	Watt
FLL221/C/GS-30LED	30W







Related Products



Honey comb



⊥ TIS FLL221/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

Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber Dimension 147x235x245 mm.

Mounting On 6m. height pole (OD 101mm.)

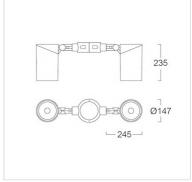
Power 30W (x4,6 sets) **Light Source** LED Module **Colour Temperature** 3000/5700K **Luminaire Output** 3000 lm (x4,6 sets) Beam Angle 15/24/40 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC 50Hz

Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 70W (x4,6 sets)

Ordering Data

Model	Watt
FLL221/P-30LED	30W





Related Products



Honey comb

☐ TIS 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

Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber Dimension 135X300x245 mm.

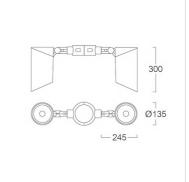
Mounting On 6m. height pole (OD 101mm.)

Power 30W (x4,6 sets) **Light Source** LED Module **Colour Temperature** 3000/5700K **Luminaire Output** 3000 lm (x4,6 sets) **Beam Angle** 15/24/40 degree Control Gear Built-in driver **Power Supply** 220-240VAC 50Hz

Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 70W (x4,6 sets)

Model	Watt
FLL221/P/GS-30LED	30W





Related Products



Honey comb





__ TIS 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

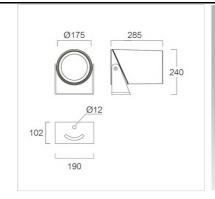
Housing Die-cast aluminium **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 190x285x240 mm.

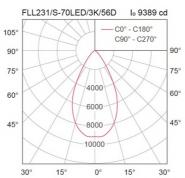
Mounting Surface **Power** 70W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 7350 lm **Beam Angle** 18/28/56 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50.000 hrs. MH 150W Equivalent

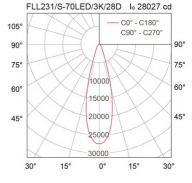
Ordering Data

Model	Watt
FLL231/S-70LED	70W





Related Products







Honey comb

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.

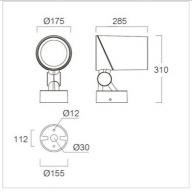
Specification

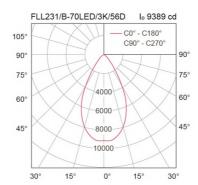
Housing Die-cast aluminium **Finishing** Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 175x285x310 mm.

Mounting Surface Power 70W **Light Source** LED-COB **Colour Temperature** 3000/4000K **Luminaire Output** 7350 lm **Beam Angle** 18/28/56 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz

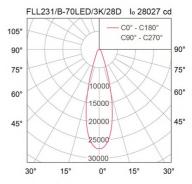
Power Factor >0.9 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50,000 hrs. MH 150W Equivalent

Model	Watt
FLL231/B-70LED	70W









Related Products



Honey comb



⊥ TIS FLL65

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 222x60x355 mm. Dimension Mounting Surface 55/70W Power **Light Source** LED Module **Colour Temperature** 5700K

Luminaire Output 55W: 8285 Im (85 degree)

55W: 7975 lm (FW6), 7700 lm (FW7)

70W: 10500 lm (90 degree)

70W: 10150 Im (FW6), 9800 Im (FW7) 85 degree (55W), 90 degree (70W)

Beam Angle

Asymmetrical distribution: FW6/FW7

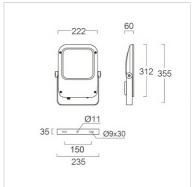
Control Gear Built-in driver 220-240VAC,50Hz **Power Supply**

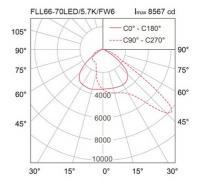
Power Factor >0.95 **IP Rating** 65 **Luminaire Lifetime** 50,000 hrs. 55W: MH 100W Equivalent

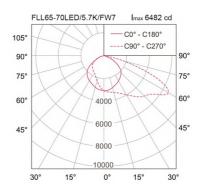
70W: MH 150W

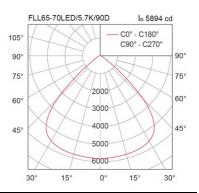
Model	Watt
FLL65-50LED	50W
FLL65-70LED	70W













⊥ TIS FLL66

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 280x67x422 mm. Mounting Surface 100/130/175W Power **Light Source** LED Module

5700K **Luminaire Output** 100W: 15500 lm (90 degree)

100W: 14000 lm (FW6), 13000 lm (FW7)

130W: 19500 lm (90 degree)

130W: 18200 lm (FW6), 16900 lm (FW7)

175W: 26000 lm (95 degree) 90 degree (100/130W), 95 degree

Beam Angle (175W)

Colour Temperature

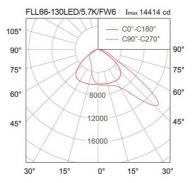
Asymmetrical distribution: FW6/FW7

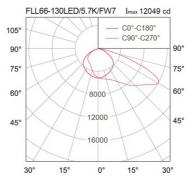
Control Gear Built-in driver **Power Supply** 220-240VAC,50Hz

Power Factor >0.95 **IP Rating** 65 **Luminaire Lifetime** 50.000 hrs. Equivalent 100W: MH 250W 130W: HPS 250W

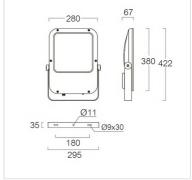
175W: MH 400W

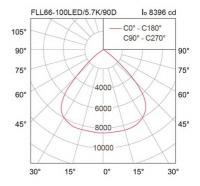
Model	Watt
FLL66-100LED	100W
FLL66-130LED	130W
FLL66-175LED	175W

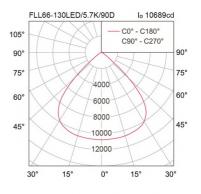


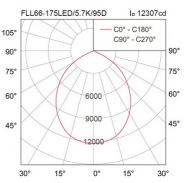














⊥ TIS FLL67

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 380x70x587 mm. Mounting Surface 230W Power **Light Source** LED Module

Colour Temperature 5700K **Luminaire Output** 33350 lm (90 degree)

33350 lm (FW6), 32200 (FW7)

Beam Angle 90 degree

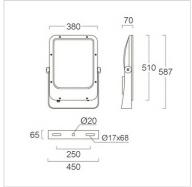
Asymmetrical distribution: FW6/FW7

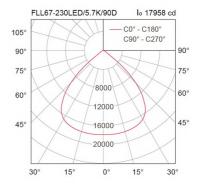
Control Gear
Power Supply
Built-in driver
220-240VAC,50Hz

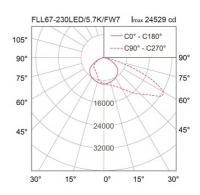
Power Factor >0.95
IP Rating 66
Luminaire Lifetime 50,000 hrs.
Equivalent HPS 400W

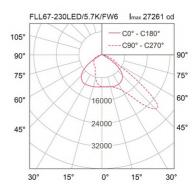
Model	Watt
FLL67-230LED	230W











⊥ TIS 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 55/70/105W Power **Light Source** LED Module Colour Temperature 3000/4000/5700K **Luminaire Output** 55W: 7700 lm

70W: 9800 lm 105W: 14175 lm

Beam Angle 94/115 degree

Asymmetrical distribution: FW3

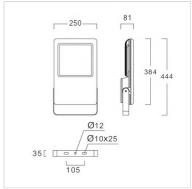
Control Gear Built-in driver **Dimming Method** 1-10V (optional) **Power Supply** 220-240VAC,50Hz

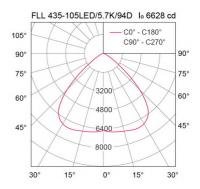
Power Factor >0.95 **IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. Equivalent 55W: MH 100W 70W: MH 150W

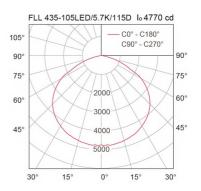
105W: MH 250W

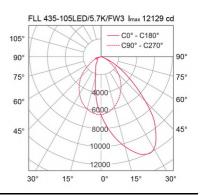
Model	Watt
FLL435-55LED	55W
FLL435-70LED	70W
FLI 435-105LED	105W













⊥ TIS 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** 3000/4000/5700K **Luminaire Output** 18850 lm **Beam Angle** 35/55/90/115 degree

Asymmetrical distribution: FW5

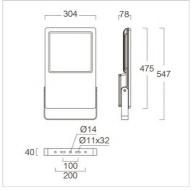
Control Gear Built-in driver

Dimming Method 1-10V (optional) **Power Supply** 220-240VAC.50Hz **Power Factor** >0.95 **Insulation Class**

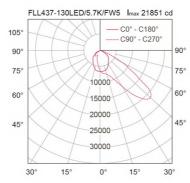
IP Rating 66 **Luminaire Lifetime** 50,000 hrs. Equivalent **HPS 250W**

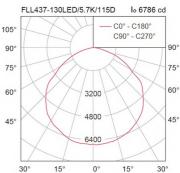
Ordering Data

Model	Watt
FLL437-130LED	130W









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 Powder coated in grey **Finishing** Lens Acrylic (PMMA) Gasket Silicone rubber Dimension 340x81x616 mm.

Mounting Surface **Power** 195W **Light Source** LED Module **Colour Temperature** 3000/4000/5700K **Luminaire Output** 28275 lm (90 degree)

29250 lm (35/55/115 degree)

30225 Im (FW5) **Beam Angle** 35/55/90/115 degree

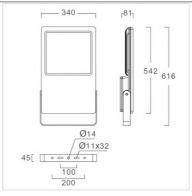
Asymmetrical distribution: FW5

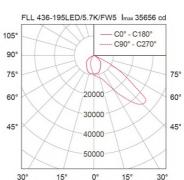
Control Gear Built-in driver **Dimming Method** 1-10V (optional) **Power Supply** 220-240VAC,50Hz

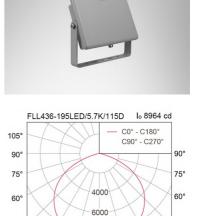
Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 400W

Ordering Data

-	
Model	Watt
FLL436-195LED	195W







8000

10000

0°

15°

15

45°

30

45°

30



⊥ TIS FLL451

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 Clear toughened glass
Gasket Silicone rubber
Dimension 400x150x670 mm.

MountingSurfacePower400WLight SourceLED ModuleColour Temperature5700KLuminaire Output52000 lmBeam Angle30/55/90 degree

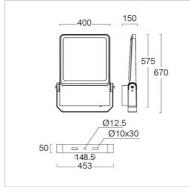
Asymmetrical distribution: FW5

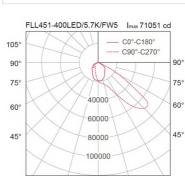
Control Gear
Dimming Method
Power Supply

Built-in driver
0-10V (optional)
220-240VAC,50Hz

Ordering Data

Model	Watt
FLL451-400LED	400W





0°

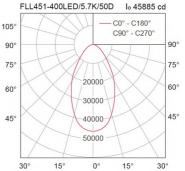
15°

309

30°

15°





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 Clear toughened glass
Gasket Silicone rubber
Dimension 569x90x887 mm.

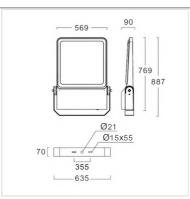
MountingSurfacePower550WLight SourceLED ModuleColour Temperature5700KLuminaire Output77000 lmBeam Angle30/50/90 degree

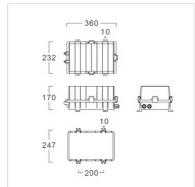
Asymmetrical distribution: FW5

Control Gear Separate driver
Dimming Method 0-10V (optional)
Power Supply 220-240VAC,50Hz

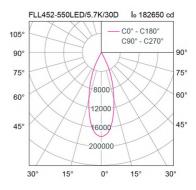
Power Factor >0.95
Insulation Class I
IP Rating 66
Luminaire Lifetime 50,000 hrs.
Equivalent HPS 1000W

Model	Watt
FLL452-550LED	550W











⊥ TIS 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 Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 750x170x315 mm. Mounting Surface 250W Power **Light Source** LED Module

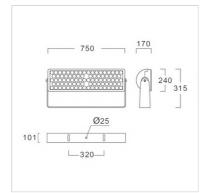
Colour Temperature 4000/5700K **Luminaire Output** 30000 lm **Beam Angle** 8.5/13 degree **Control Gear** Built-in driver **Power Supply** 220-240VAC,50Hz **Power Factor** >0.95

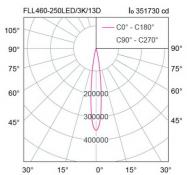
Insulation Class IP Rating 66 50.000 hrs. **Luminaire Lifetime** MH 400W Equivalent

Ordering Data

Model	Watt
FLL460-250LED	250W







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

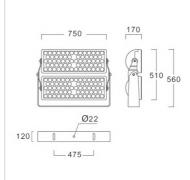
Housing Die-cast aluminium Finishing Powder coated in black Lens Clear toughened glass Gasket Silicone rubber **Dimension** 750x170x560 mm. Mounting Surface

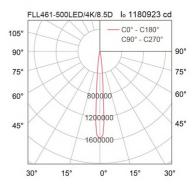
Power 500W **Light Source** LED Module Colour Temperature 4000/5700K **Luminaire Output** 60000 lm **Beam Angle** 8.5/13 degree **Control Gear** Built-in driver 220-240VAC,50Hz **Power Supply**

Power Factor >0.95 **Insulation Class** IP Rating 66 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 1000W

Model	Watt
FLL461-500LED	500W









⊥ TIS FLL800

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 Clear toughened glass Gasket Silicone rubber **Dimension** 533x575x518 mm. Mounting Surface 660W Power **Light Source** LED Module **Colour Temperature** 3000/4000/5700K **Luminaire Output** 75900 lm **Beam Angle** 18/30/60 degree **Control Gear** Separate driver **Dimming Method** 0-10V (optional) **Power Supply** 220-240VAC,50Hz **Power Factor** >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs.

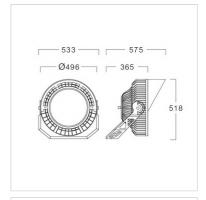
Ordering Data

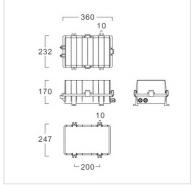
Equivalent

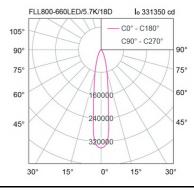
Model	Watt
FLI 800-660LFD	660W

MH 1000W











⊥ ⊓S FLL801

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 Clear toughened glass Gasket Silicone rubber **Dimension** 665x705x565 mm. Mounting Surface 1250W Power **Light Source** LED Module **Colour Temperature** 3000/4000/5700K **Luminaire Output** 143750 lm **Beam Angle** 18/30/60 degree **Control Gear** Separate driver **Dimming Method** 0-10V (optional) **Power Supply** 220-240VAC,50Hz **Power Factor** >0.95 **Insulation Class IP Rating** 66

Ordering Data

Equivalent

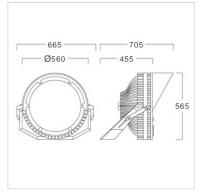
Luminaire Lifetime

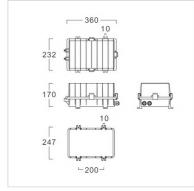
Model	Watt
FLI 801-1250LED	1250W

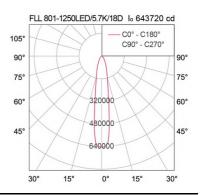
50,000 hrs.

MH 2000W













☐ TIS 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

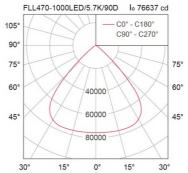
Dimension 590x160x650 mm. Mounting Surface 1000W Power

Light Source LED Module Colour Temperature 5700K **Luminaire Output** 125000/140000/140000/140000 lm

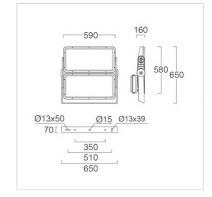
Beam Angle 13/32/60/90 degree **Control Gear** Built-in driver **Dimming Method** 1-10V (optional) **Power Supply** 220-240VAC,50Hz

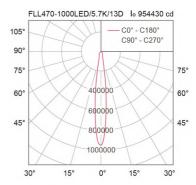
Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 2000W

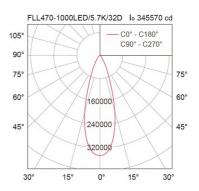
Model	Watt
FLL470-1000LED	1000W

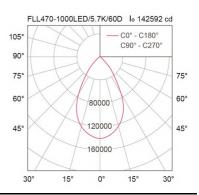
















⊥ TIS FLL466

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

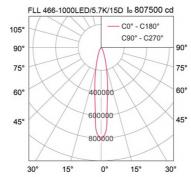
Dimension 563x90x583 mm. Mounting Surface 1000W Power **Light Source** LED Module Colour Temperature 5700K

Luminaire Output 125000/125000/140000/140000 lm

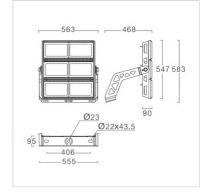
Beam Angle 10/15/30/60 degree **Control Gear** Separate driver **Dimming Method** 0-10V (optional) **Power Supply** 220-240VAC,50Hz

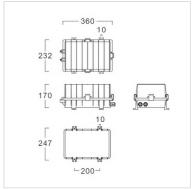
Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. Equivalent MH 2000W

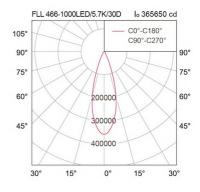
Model	Watt
FLL466-1000LED	1000W

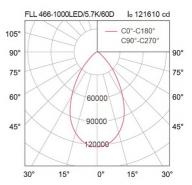
















☐ TIS FLL465

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 Dimension 749x80x685 mm.

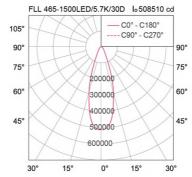
Mounting Surface 1500W Power **Light Source** LED Module **Colour Temperature** 5700K

Luminaire Output 195000/210000/210000 Im

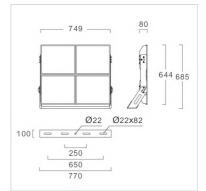
Beam Angle 13/18/30 degree **Control Gear** Separate driver **Dimming Method** 0-10V (optional) **Power Supply** 220-240VAC,50Hz

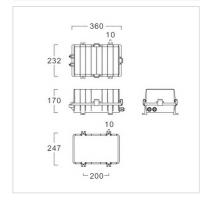
Power Factor >0.95 **Insulation Class IP Rating** 66 50,000 hrs. **Luminaire Lifetime** Equivalent MH 2000W

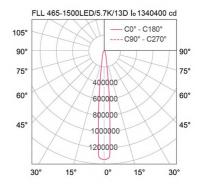
Model	Watt
FLL465-1500LED	1500W

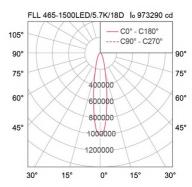
















⊥ TIS CAL320

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

 Luminaire Output
 100W: 14500 lm

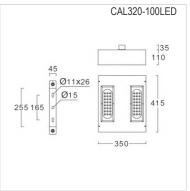
175W : 25375 lm

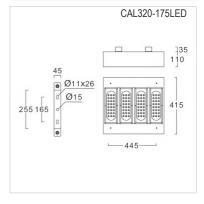
Beam Angle 115 degree
Control Gear Built-in driver
Dimming Method 1-10V (optional)
Power Supply 220-240VAC,50Hz

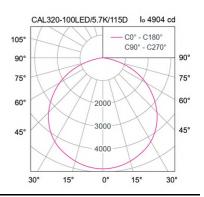
175W : MH 400W

Model	Watt
CAL320-100LED	100W
CAL 320-175LED	175\//











TIS 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 **Luminaire Output** 100W: 14500 lm

175W: 25375 lm

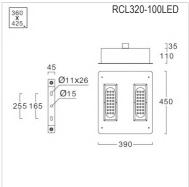
Beam Angle 115 degree **Control Gear** Built-in driver **Dimming Method** 1-10V (optional) **Power Supply** 220-240VAC,50Hz

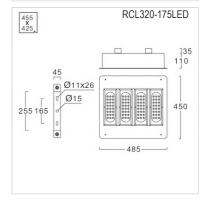
Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. 100W: MH 250W Equivalent

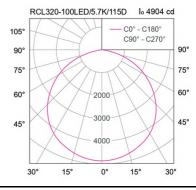
175W: MH 400W

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









LED Canopy / Tunnel



⊥ TIS 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 35/55/70W

 Power
 35/55/70W

 Light Source
 LED Module

 Colour Temperature
 3000/4000/5700K

 Luminaire Output
 35W : 4900 Im (55 degree)

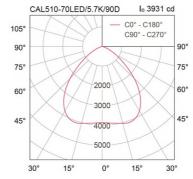
35W: 4550 Im (90 degree) 55W: 7700 Im (55 degree) 55W: 7150 Im (90 degree) 70W: 9800 Im (55 degree) 70W: 9100 Im (90 degree)

Beam Angle55/90 degreeControl GearBuilt-in driverDimming Method1-10V (optional)Power Supply220-240VAC,50Hz

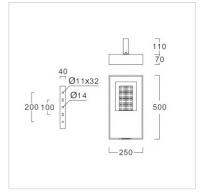
Power Factor >0.95
IP Rating 66
Luminaire Lifetime 50,000 hrs.
Equivalent 35W: MH 70W

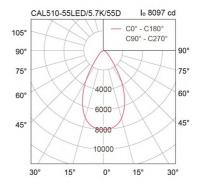
55W: MH 100W 70W: MH 150W

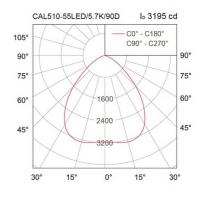
Model	Watt
CAL510-35LED	35W
CAL510-55LED	55W
CAL510-70LED	70W

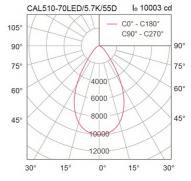












LED Canopy / Tunnel



⊥ ∏S 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
 3000/4000/5700K

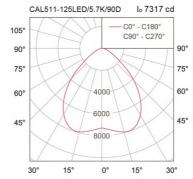
Luminaire Output 105W: 15225 lm (55 degree)

105W: 14175 Im (90 degree) 125W: 17500 Im (55 degree) 125W: 16875 Im (90 degree) 150W: 19500 Im (55 degree) 150W: 18750 Im (90 degree)

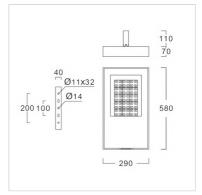
Beam Angle 55/90 degree
Control Gear Built-in driver
Dimming Method 1-10V (optional)
Power Supply 220-240VAC,50Hz

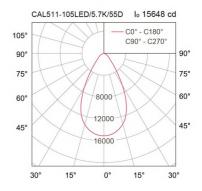
Power Factor >0.95
Insulation Class I Fating 66
Luminaire Lifetime 50,000 hrs.
Equivalent MH 250W

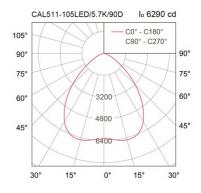
Model	Watt
CAL511-105LED	105W
CAL511-125LED	125W
CAL511-150LED	150W

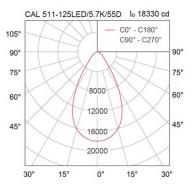














TIS RCL435

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 55/70/105W Power **Light Source** LED Module **Colour Temperature** 3000/4000/5700K

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

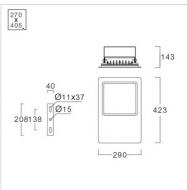
Control Gear Built-in driver **Dimming Method** 1-10V (optional) **Power Supply** 220-240VAC,50Hz

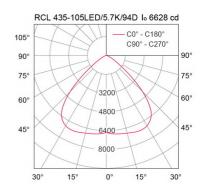
Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. Equivalent 55W: MH 100W 70W: MH 150W

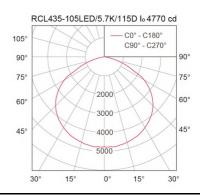
105W: MH 250W

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











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 Acrylic (PMMA) Lens Gasket Silicone rubber Dimension 380x582x147 mm. **Cut Out** 360x562 mm. Mounting Recessed 195W Power **Light Source** LED Module **Colour Temperature** 3000/4000/5700K Luminaire Output 26325 lm **Beam Angle** 90/115 degree

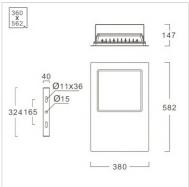
Asymmetrical distribution: FW5

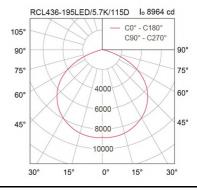
Control GearBuilt-in driverDimming Method1-10V (optional)Power Supply220-240VAC,50Hz

Power Factor >0.95
Insulation Class I Fating 66
Luminaire Lifetime 50,000 hrs.
Equivalent MH 400W

Model	Watt
RCL436-195LED	195W









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 stablilized 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 IP Rating 65

 LED Lifetime
 L&E: 25,000/40,000/50,000 hrs.

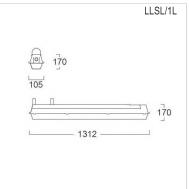
 Equivalent
 14-16W: T5 1x28W/T8 1x36W

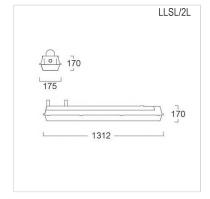
28-32W: T5 2x28W/T8 2x36W

Ordering Data

Model	Watt
LLSL/1L/CT-XXLED-T8	14-16W
LLSL/2L/CT-XXLED-T8	28-32W

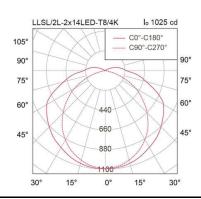






Related Products







☐ TIS 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 stablilized 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 Im

Power Supply 220-240VAC,50Hz

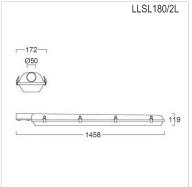
Insulation Class **IP Rating** 65

LED Lifetime L&E: 25,000/40,000/50,000 hrs. Equivalent 28-32W: T5 2x28W/T8 2x36W

Ordering Data

Model	Watt
LLSL180/2L/CT-XXLED-T8	28-32W

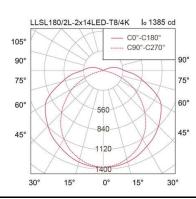




Related Products









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 Acrylic (PMMA)
Gasket Silicone rubber
Dimension 172x460x82 mm.

Mounting Side entry pole or bracket arm with

OD 60x80 mm. spigot

 Power
 20/30/40W

 Light Source
 LED Module

 Colour Temperature
 4000/5700K

 Luminaire Output
 20W : 2300 lm

 30W : 3450 lm

30W: 3450 lm 40W: 4600 lm Built-in driver 1-10V (optional)

Control Gear
Dimming Method
Power Supply
Power Factor

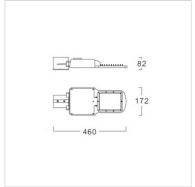
Built-in driver
1-10V (optional)
220-240VAC,50Hz
>0.95

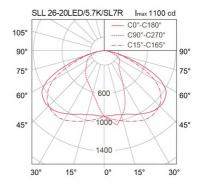
| Insulation Class | I | P Rating | 66 | Luminaire Lifetime | Equivalent | 20W : T8 1x36W |

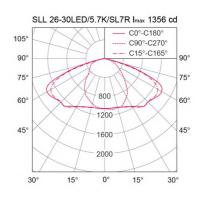
30W : MV 80W 40W : T8 2x36W

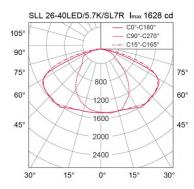
Model	Watt
SLL26-20LED	20W
SLL26-30LED	30W
SLI 26-40LFD	40W













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 250x431x131 mm.

Side entry pole or bracket arm with Mounting

OD 60x120 mm. spigot

Power 55/70/105W **Light Source** LED Module **Colour Temperature** 4000/5700K **Luminaire Output** 55W: 7700 lm 70W: 9800 lm

105W: 13650 lm

Beam Angle Street lighting distribution: SL10

Forward throw distribution: FW5

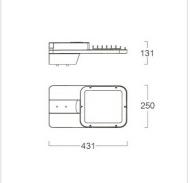
Control Gear Built-in driver **Dimming Method** 1-10V (optional) **Power Supply** 220-240VAC,50Hz

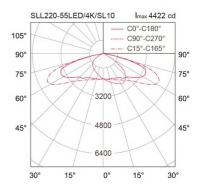
Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs Equivalent 55W: MV 125W 70W: HPS 150W

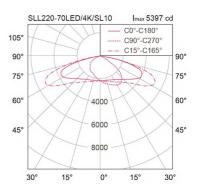
105W: HPS 250W

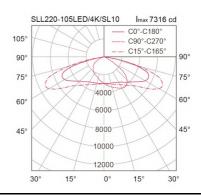
Model	Watt
SLL220-55LED	55W
SLL220-70LED	70W
SLI 220-105LED	105W













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 250x530x131 mm.

Mounting Side entry pole or bracket arm with

OD 60x120 mm. spigot

Power 105/125/150W **Light Source** LED Module **Colour Temperature** 4000/5700K **Luminaire Output** 105W: 14700 lm 125W: 17500 lm

150W: 21000 lm

Beam Angle Street lighting distribution: SL10

Forward throw distribution: FW5

Control Gear Built-in driver **Dimming Method** 1-10V (optional) **Power Supply** 220-240VAC,50Hz **Power Factor** >0.95

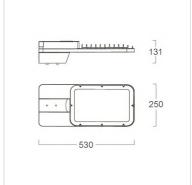
Insulation Class IP Rating 66 **Luminaire Lifetime** 50,000 hrs.

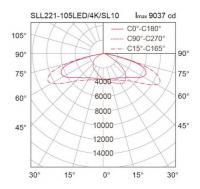
105/125W: HPS 250W Equivalent

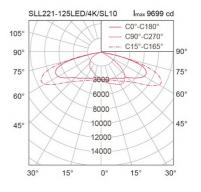
150W: HPS 400W

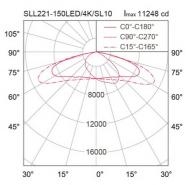
Model	Watt
SLL221-105LED	105W
SLL221-125LED	125W
SLI 221-150LFD	150W













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
 55/70/105W

 Light Source
 LED Module

 Colour Temperature
 4000/5700K

 Luminaire Output
 55W : 6875 Im

 70W : 8750 Im
 105W : 13125 Im

Beam Angle Street lighting distribution : SL8

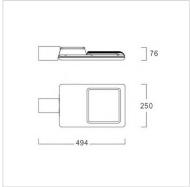
Control Gear Built-in driver
Dimming Method 1-10V (optional)
Power Supply 220-240VAC,50Hz

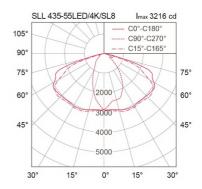
Power Factor >0.95 Insulation Class I IP Rating 66 Luminaire Lifetime 50,000 hrs. Equivalent 55W : MV 125W

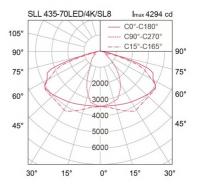
70W: HPS 150W 105W: HPS 250W

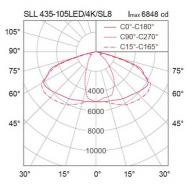
Model	Watt
SLL435-55LED	55W
SLL435-70LED	70W
SLI 435-105LFD	105W













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 175W
Light Source LED Module
Colour Temperature 4000/5700K
Luminaire Output 21875 Im

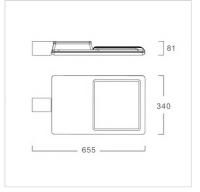
Beam Angle Street lighting distribution : SL8

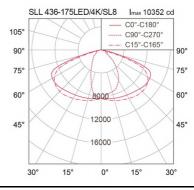
Control Gear Built-in driver
Dimming Method 1-10V (optional)
Power Supply 220-240VAC,50Hz

Power Factor >0.95
Insulation Class I
IP Rating 66
Luminaire Lifetime 50,000 hrs.
Equivalent HPS 400W

Model	Watt
SLL436-175LED	175W









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 228x578x135 mm.

Mounting Side entry or straight entry pole with

OD 60x100 mm. spigot

 Power
 55/70W

 Light Source
 LED Module

 Colour Temperature
 4000/5700K

 Luminaire Output
 55W : 8250 Im

 70W : 10500 Im

Control Gear
Dimming Method
Power Supply
Built-in driver
1-10V (optional)
220-240VAC,50Hz

 Power Factor
 >0.95

 Insulation Class
 I

 IP Rating
 66

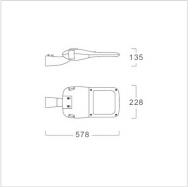
 Luminaire Lifetime
 50,000 hrs.

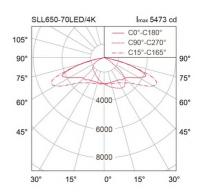
 Equivalent
 55W : MV 125W

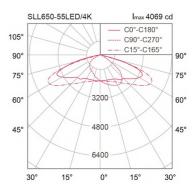
 70W : HPS 150W

Model	Watt
SLL650-55LED	55W
SLL650-70LED	70W











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 256x599x141 mm.

Mounting Side entry or straight entry pole with

OD 60x100 mm. spigot

 Power
 105/125W

 Light Source
 LED Module

 Colour Temperature
 4000/5700K

 Luminaire Output
 105W : 15750 Im

 125W : 18750 Im

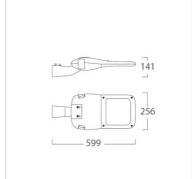
Control Gear
Dimming Method
Power Supply

Built-in driver
1-10V (optional)
220-240VAC,50Hz

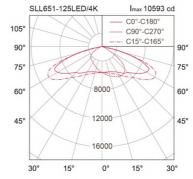
Power Factor >0.95 Insulation Class I IP Rating 66 Luminaire Lifetime 50,000 hrs.

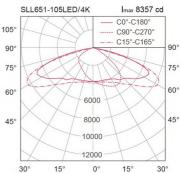
Ordering Data

Model	Watt
SLL651-105LED	105W
SLL651-125LED	125W









⊥ тіѕ **SLL652**

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 328x729x157 mm.

Mounting Side entry or straight entry pole with

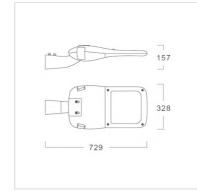
OD 60x100 mm. spigot

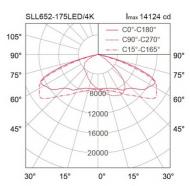
Power 175W
Light Source LED Module
Colour Temperature 4000/5700K
Luminaire Output 26250 Im
Control Gear Built-in driver
Dimming Method 1-10V (optional)
Power Supply 220-240VAC,50Hz

Power Factor >0.95 Insulation Class I IP Rating 66 Luminaire Lifetime 50,000 hrs. Equivalent HPS 400W

Model	Watt
SLL652-175LED	175W











⊥ TIS SLL300/MD

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)

Dimming: 100% when was detected, 30% after no movement for 30 second.

Finishing Powder coated in black Charger Fully automatic solid stage with

constant voltage and limit current charging

Solar Cell Mono-crystalline silicon, 48W 18V **Battery** Lithium iron phosphate, 24Ah 12.8V

Lens Polycarbonate

Sensor Motion detector (Microwave sensor)

Dimension 369x770x340 mm.

Side entry or straight entry pole with Mounting

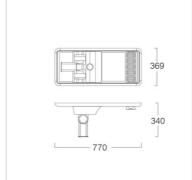
OD 60x80 mm. spigot

Power 30W **Light Source** LED Module Colour Temperature 4000K **Luminaire Output** 5550 lm **Control Gear** Built-in driver

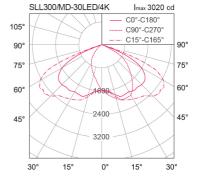
Power Supply IP Rating 66 **LED Lifetime** 50.000 hrs. MV 80W Equivalent

Ordering Data

Model	Watt
SLL300/MD-30LED	30W









TIS SLL302/MD

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)

Dimming: 100% when was detected, 30% after no movement for 30 second.

Finishing Powder coated in black Charger Fully automatic solid stage with

constant voltage and limit current charging Mono-crystalline silicon, 65W 18V

Solar Cell **Battery** Lithium iron phosphate, 30Ah 12.8V

Lens Polycarbonate

Sensor Motion detector (Microwave sensor)

Dimension 369x1068x340 mm.

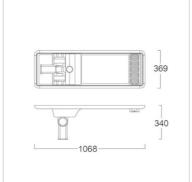
Mounting Side entry or straight entry pole with

OD 60x80 mm. spigot

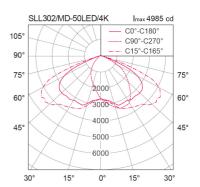
Power 50W **Light Source** LED Module **Colour Temperature** 4000K **Luminaire Output** 9250 lm **Control Gear** Built-in driver

Power Supply IP Rating **LED Lifetime** 50,000 hrs. MV 125W Equivalent

Model	Watt
SLL302/MD-50LED	50W







LED Solar Streetlight





⊥ TIS 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 Fully automatic solid stage with Charger

constant voltage and limit current

charging

Solar Cell Mono-crystalline silicon, 65W 18V Lithium iron phosphate, 30Ah 12.8V **Battery**

Lens Polycarbonate Dimension 369x1068x340 mm.

Mounting Side entry or straight entry pole with

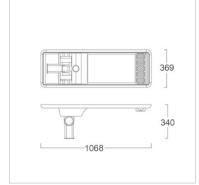
OD 60x80 mm. spigot

Power **Light Source** LED Module **Colour Temperature** 4000K **Luminaire Output** 5550 lm **Control Gear** Built-in driver

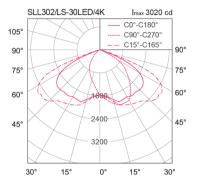
Power Supply 66 **IP Rating LED Lifetime** 50.000 hrs. Equivalent MV 80W

Ordering Data

Model	Watt
SLL302/LS-30LED	30W







Default Lighting Scene

	-												
Interval (Hr)	1	2	3	4	5	6	7	8	9	10	11	12	
Light output	50%		10	00%				50%			75	%	

^{*} Customized lighting scene is available upon request.

☐ TIS SLL302/HB

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 Powder coated in black

Finishing Charger Fully automatic solid stage with constant voltage and limit current

Solar Cell Mono-crystalline silicon, 65W 18V **Battery** Lithium iron phosphate, 30Ah 12.8V

Polycarbonate Lens **Dimension** 369x1068x340 mm.

Mounting Side entry or straight entry pole with

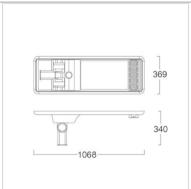
OD 60x80 mm. spigot

Power 30W **Light Source** LED Module **Colour Temperature** 4000K **Luminaire Output** 5550 lm **Control Gear** Built-in driver **Power Supply** 220-240VAC, 50Hz

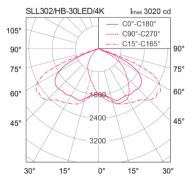
Power Factor >0.95 **Insulation Class** Ι **IP Rating** 66 **LED Lifetime** 50,000 hrs. Equivalent **WV8 VM**

Ordering Data

Model	Watt
SLL302/HB-30LED	30W







Default Lighting Scene

Interval (Hr)	1	2	3	4	5	6	7	8	9	10	11	12
Light output	50%		10	00%				50%			75	%

^{*} Customized lighting scene is available upon request.

LED Solar Streetlight



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

Specification

Housing Fixture : Die-cast aluminium

Structure Hot dip galvanized steel pole and solar panel mounting support

Galvanized steel sheet with powder

coated battery box

Description Off-grid system (Only battery back-up),

24 hrs. back-up time

Finishing Fixture : Powder coated in grey

Charger 12/24Vdc 15A MPPT technology

Solar Cell SLL26-SOLAR-20LED : Poly-crystalline silicon, 80W 18V

SLL26-SOLAR-40LED: Poly-crystalline silicon,150W 18V

Battery SLL26-SOLAR-20LED: Lithium Iron Phosphate, 30Ah 12.8V

SLL26-SOLAR-40LED : Lithium Iron Phosphate, 60Ah 12.8V

LensFixture : Acrylic (PMMA)GasketFixture : Silicone rubberDimensionFixture : 172x460x82 mm.MountingSide entry pole with OD 60x80 mm.

spigot

 Power
 20/40W

 Light Source
 LED Module

 Colour Temperature
 4000/5700K

 Luminaire Output
 20W : 2400 lm

40W : 4800 lm

 Power Supply

 IP Rating
 66

 Luminaire Lifetime
 50,000 hrs.

 Equivalent
 20W : T8 1x36W

 40W : T8 2x36W

Ordering Data

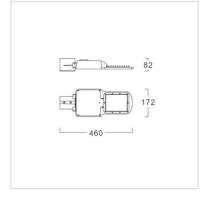
Model	Watt
SLL26-SOLAR-20LED	20W
SLL26-SOLAR-40LED	40W

Default Lighting Scene

-	•											
Interval (Hr)	1	2	3	4	5	6	7	8	9	10	11	12
Light output	60%		10	00%				25%			60	%

^{*} Customized lighting scene is available upon request.





LED Solar Streetlight



⊥ TIS SLL435-SOLAR

Application

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

Specification

Housing Fixture : Die-cast aluminium

Structure Hot dip galvanized steel pole and solar panel mounting support

solar panel mounting support
Galvanized steel sheet with powder

coated battery box

Description Off-grid system (Only battery back-up),

24 hrs. back-up time

Finishing Fixture : Powder coated in grey

Charger 12/24Vdc 20A MPPT technology

Solar Cell Poly-crystalline silicon, 250W 18V
Battery Lithium Iron Phosphate, 100Ah 12.8V

 Lens
 Fixture: Acrylic (PMMA)

 Gasket
 Fixture: Silicone rubber

 Dimension
 Fixture: 250x494x81 mm.

 Mounting
 Side entry pole with OD 60x80 mm.

spigot

Power 50W
Light Source LED Module
Colour Temperature 4000/5700K
Luminaire Output 6500 lm
Power Supply
IP Rating 66

Luminaire Lifetime 50,000 hrs. **Equivalent** MV 125W

Ordering Data

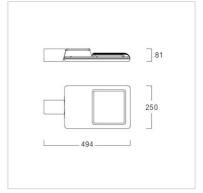
Model	Watt
SLL435-SOLAR-50LED	50W

Default Lighting Scene

Interval (Hr)	1	2	3	4	5	6	7	8	9	10	11	12
Light output	60%		10	00%				25%			60	%

^{*} Customized lighting scene is available upon request.







⊥ TIS 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

Luminaire Output 55W : 6875 lm (SL8), 6600 lm (FW4)

70W: 8750 lm (SL8), 8400 lm (FW4) 105W: 13125 lm (SL8), 12600 lm (FW4)

Beam Angle Street lighting distribution : SL8

Forward throw distribution: FW4

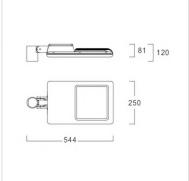
Control GearBuilt-in driverDimming Method1-10V (optional)Power Supply220-240VAC,50Hz

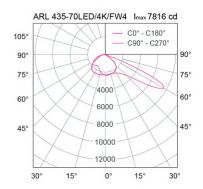
Power Factor >0.95 Insulation Class I IP Rating 66 Luminaire Lifetime 50,000 hrs. Equivalent 55W : MH 100W

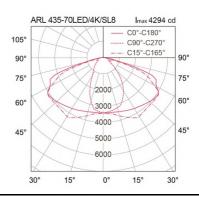
70W: MH 150W 105W: MH 250W

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











⊥ TIS 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

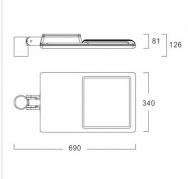
Luminaire Output 21875 Im (SL8), 22750 Im (FW4)
Beam Angle Street lighting distribution : SL8
Forward throw distribution : FW4

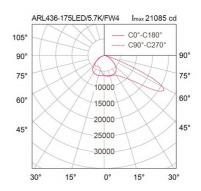
Control Gear
Dimming Method
Power Supply
Built-in driver
1-10V (optional)
220-240VAC,50Hz

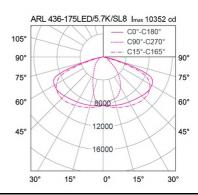
Power Factor >0.95 Insulation Class I IP Rating 66 Luminaire Lifetime 50,000 hrs. Equivalent MH 400W

Model	Watt
ARL436-175LED	175W











☐ TIS 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
Finishing Powder coated in black
Lens Clear toughened glass
Gasket Silicone rubber
Dimension 400x530x228 mm.
Mounting Surface or straight pole

 Power
 35/55W

 Light Source
 LED Module

 Colour Temperature
 3000/4000/5700K

 Luminaire Output
 35W : 4200 lm

 55W : 6600 lm

Beam Angle Streetlight distribution (Type II)

Control Gear Built-in driver
Power Supply 220-240VAC,50Hz

 Power Factor
 >0.95

 Insulation Class
 I

 IP Rating
 55

 Luminaire Lifetime
 50,000 hrs.

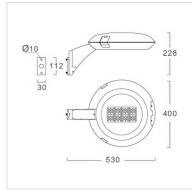
 Equivalent
 35W : MH 70W

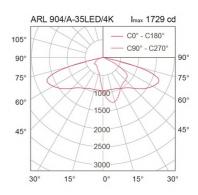
 60W : MH 150W

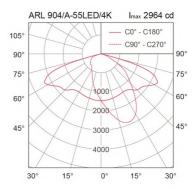
Model	Watt
ARL904/A-35LED	35W
ARL904/A-55LED	55W













☐ TIS 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
Finishing Powder coated in black
Lens Clear toughened glass
Gasket Silicone rubber
Dimension 400x510x202 mm.

Mounting Straight pole with OD 60x80 mm. spigot

 Power
 35/55W

 Light Source
 LED Module

 Colour Temperature
 3000/4000/5700K

 Luminaire Output
 35W : 4200 Im

 55W : 6600 Im

Beam Angle Streetlight distribution (Type II)

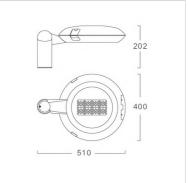
Control Gear
Power Supply
Power Factor

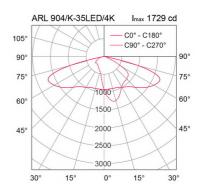
Built-in driver
220-240VAC,50Hz
>0.95

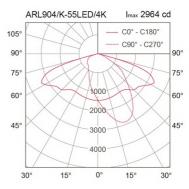
| Insulation Class | IP Rating | 55 | Luminaire Lifetime | 50,000 hrs. | Equivalent | 35W : MH 70W | 55W : MH 150W |

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











TIS 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 35/55/70W

Power **Light Source** LED Module **Colour Temperature** 3000/4000/5700K

35W: 4725 lm (SL9), 4900 lm (FW5) **Luminaire Output**

55W: 7425 lm (SL9), 7700 lm (FW5) 70W: 9450 lm (SL9), 9800 lm (FW5)

Beam Angle Street lighting distribution: SL9

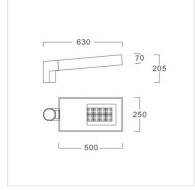
Forward throw distribution: FW5

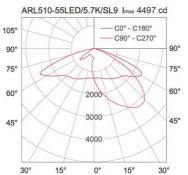
Control Gear Built-in driver **Dimming Method** 1-10V (optional) **Power Supply** 220-240VAC,50Hz

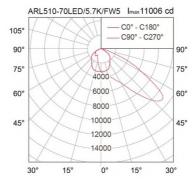
Power Factor >0.95 **Insulation Class IP Rating** 66 **Luminaire Lifetime** 50,000 hrs. Equivalent 35W: MH 70W

55W: MH 100W 70W: MH 150W

Model	Watt
ARL510-35LED	35W
ARL510-55LED	55W
ARL510-70LED	70W



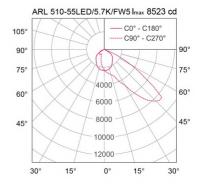


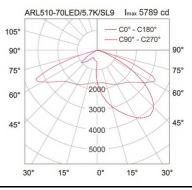














⊥ TIS ARL511

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
 3000/4000/5700K

Luminaire Output 105W : 15225 lm (SL9), 15750 lm (FW5)

125W: 17500 lm (SL9), 18125 lm (FW5) 150W: 19500 lm (SL9), 20250 lm (FW5)

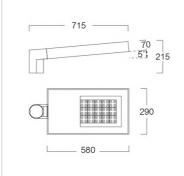
Beam Angle Street lighting distribution : SL9

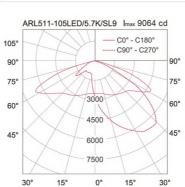
Forward throw distribution: FW5

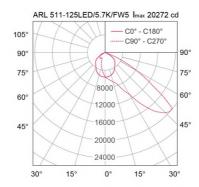
Control GearBuilt-in driverDimming Method1-10V (optional)Power Supply220-240VAC,50Hz

Power Factor >0.95
Insulation Class I 66
Luminaire Lifetime 50,000 hrs.
Equivalent MH 250W

Model	Watt
ARL511-105LED	105W
ARL511-125LED	125W
ARI 511-150I FD	150W



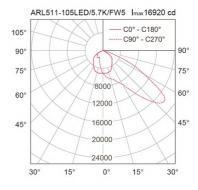


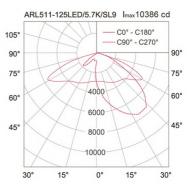
















Specification

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

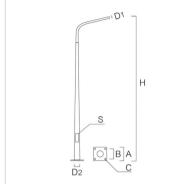
Finishing Hot dip galvanized

Mounting Surface

Ordering Data

Model	Н	D1/D2	S	ARM	Α	В	С
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







Specification

Structure Hot rolled steel sheet which are 3.0-4.5

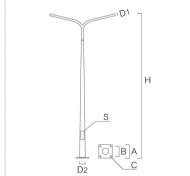
> mm. in thickness, service door for cable connection, spigot dimension may be varied depend on each type of luminaire

Finishing Hot dip galvanized

Surface Mounting

Model	Н	D1/D2	S	ARM	Α	В	С
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









Specification

Structure Tubular steel, service door for cable

connection, spigot dimension may be varied depend on each type of

luminaire

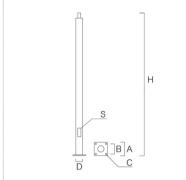
Finishing Zinc coated and powder coated

Mounting Surface

Ordering Data

Model	Н	D	S	Α	В	С	Т
LTP 30C	3000	114	70x220	250	200	22	15
LTP 40C	4000	114	70x220	250	200	22	15
LTP 50C	5000	114	70x220	250	200	22	15
LTP 60C	6000	114	70x220	250	200	22	15
LTP 50D	5000	140	85x182	300	250	22	15
LTP 60D	6000	140	85x182	300	250	22	15
LTP 70D	7000	140	85x182	400	300	30	25
LTP 80D	8000	140	85x182	450	300	30	25





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Specification

Structure Square tubular steel, service door for

cable connection,spigot dimension may be varied depend on each type of

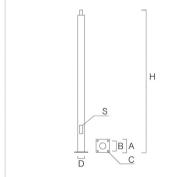
luminaire

Finishing Powder coated (Zinc coated is optional)

Mounting Surface

Model	Н	D	S	Α	В	С	Т
SSP 050	5000	125	73x240	400	300	30	20
SSP 060	6000	125	73x240	400	300	30	20
SSP 080	8000	125	73x240	400	300	30	20
SSP 090	9000	125	73x240	400	300	30	20
SSP 100	10000	125	73x240	400	300	30	20











Thailand offices

Lighting and Equipment Public Company Limited

Head Office

16-17 Floor, Gypsum Metropolitan Tower. Tel.: +66 2248 8133 539/2 Sri-Ayudhya Rd., Rajthevee, +66 2642 5092 Bangkok 10400 Fax.: +66 2248 8144 E-mail: secretarymk@lighting.co.th +66 2642 5091

Showroom/Lighting Solution Center

Ratchadapisek Branch Tel.: +66 2246 1164 66 9, Pakin Building Ratchadapisek Road Dindaeng, Fax.: +66 2246 1161

Bangkok, 10400 E-mail: rd@lighting.co.th

Showroom/Lighting Solution Center

Ratchapruek Branch 3rd Floor The Crystal SB Ratchapruek

E-mail: rd@lighting.co.th

Tel.: +66 2118 7501-04

+62 818 083 3247

Oversea offices

L&E Myanmar Company Limited

No.19-L Myint Zu 2 street, Yamkin Township, Between Tel.: +95 94 5001 0468 Kabaraye Pagoda Road and Wayzayantar Road,

Yangon, Myanmar.

Email: le_myanmar@lighting.co.th

Lighting & Equipment (VIETNAM) Company Limited

Lot 101/3 Road No. 1. Long Binh (AMATA) Tel.: +84 251 368 5688 Industrial Park, Long Binh Ward, Bien Hoa City, Fax.: +84 251 368 5699

Dong Nai Province, Vietnam. Email: eklukb@lighting.co.th weerada.wo@lighting.co.th chinh@lighting.co.th

Representative Office of Indonesia

The Vida Building 7th Floor, Jl. Raya Pejuangan No.8 Tel.: +62 212 977 8000 Kebon Jeruk - Jakarta Barat, Jakarta 11530 Fax.: +62 212 977 8001 M.: +62 812 878 1918

Indonesia.

Email: jemmy@lighting.co.th

Representative of Malaysia Contact : Mr. Alex Goh M.: +60 1 2286 1288

Email: alex.goh@lighting.co.th

Corporate Showroom in Cambodia Home Access Co., Ltd. THAN'S Building, No. 46

Mao Tse Toung Blvd (245) corner 95 road,

Phnom Penh 120111, Cambodia Tel: +855 23 216 195

Email: sale@myhomeaccess.com