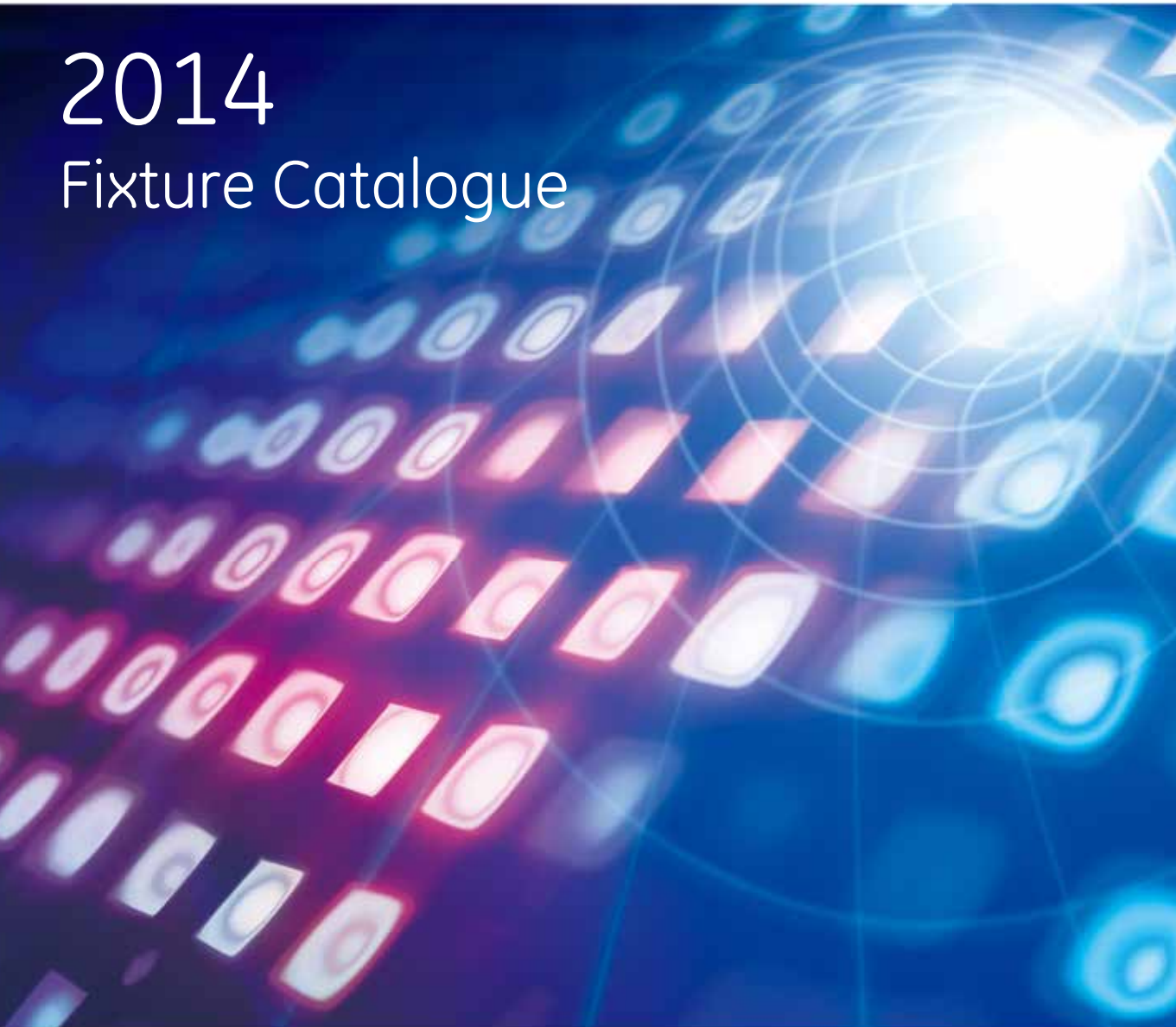


# 2014 Fixture Catalogue



## GE Innovation History



Nowadays, GE lighting has become one of the biggest lighting system supplier in the world

## About GE Lighting

GE Lighting invents with the vigor of its founder Thomas Edison to develop energy-efficient solutions that change the way people light their world in commercial, industrial, municipal and residential settings. The business employs over 16,000 people in more than 100 countries, and sells products under the Reveal and Energy Smart consumer brands, and Evolve, GTx, Immersion, Infusion, Lumination and Tetra commercial brands, all trademarks of GE. General Electric (NYSE: GE) works on things that matter to build a world that works better. For more information, visit <http://www.gelighting.com/LightingWeb/apac/>.



As a London 2012 Sustainability Partner and a Global Olympic 2012 sponsor, GE Lighting has worked alongside the London Organising Committee of the Olympic Games (LOCOG) to deliver a series of lighting projects.

To mark the Olympic Games and Paralympic Games GE Lighting has transformed London's iconic Tower Bridge with a new state-of-the-art lighting system – designed to enhance its architectural features and replace static lights with bulbs that can vary in intensity and colour, while at the same time cutting energy consumption considerably. The famous landmark will also feature giant suspended Olympic Rings and Paralympic Agitos for the 45 days of the Games. GE will be illuminating the rings, as well as smaller versions in Belfast, Edinburgh and Cardiff using its powerful LED Floodlights and working in conjunction with all the major cities' councils to ensure that once again, the installations can be reused after the Olympic Games come to a close.

GE Lighting also has provided energy efficient, low impact lighting solutions for permanent as well as temporary lighting installations that will either continue to deliver energy savings for years to come or allow lamps to be re-used in projects around the city after the Olympic & Paralympic Games end in September 2012.



# Case Study

## LOCOG - UK



"We gave GE a number of specific requirements, which included creating legacy lighting that would last beyond the Olympic Games wherever we could as well as temporary installations where products could be utilised for future events. The result is fantastic and we've no doubt created a significant buzz in the cities ahead of and during the Games."

--The spokesperson of LOCOG

### Situation

The Olympic Games Rings at London's famous Tower Bridge form part of the new state-of-the-art lighting system provided by GE Lighting, which has been designed to enhance its architectural features, while cutting energy consumption considerably.

### GE Lighting Solution

Tower Bridge: The rings, which measure 25 meters by 11.5 meters in size, have been floodlit using GE Lighting's CMH Floodlights and will remain suspended from the famous landmark for the 45 days of the Olympic Games. Glasgow: the largest stainless steel rings in the UK (33ft long) are lit by GE Lighting's LED floodlights.

### Operating Impact

- Enhanced architectural features with reduced energy consumption.

### Environmental Impact

- Reduced lighting pollution, CO<sup>2</sup> footprint and energy consumption.

## Lake Nona, FL



"GE did what we didn't think was possible — they took an idea, really a picture, from us and turned it into a phenomenal product in record time."

--Richard Levey, Vice President of Planning, Lake Nona, FL

### Situation

Lake Nona had difficulty finding a decorative LED fixture that matched the exact aesthetic design they wanted, so they turned to GE to help make their vision a reality.

### GE Lighting Solution

GE Lighting engineers worked with the Lake Nona design team to create a decorative fixture solution that matched the community's contemporary look and feel. Lake Nona installed 370 Evolve™ LED Contemporary Twin Support Post Top and 134 Evolve™ LED Corbahead fixtures to illuminate their streets, avoiding high wattage HID alternatives.

### Operating Impact

- Energy savings of up \$27,000 annually
- Reduction of 253,000 kWh per year
- Additional annual maintenance savings

# Case Study

## Las Vegas, NV



"Las Vegas is known as the 'City of Lights' and we wanted the very best product we could find for our street lighting application. That's why we chose GE."

--Niel T. Rohleder, Asst. Traffic Manager, Traffic Engineering Field Operations, Las Vegas, NV

### Situation

Las Vegas was looking for an efficient street lighting solution to reduce their annual energy consumption, as well as their annual maintenance expenses.

### GE Lighting Solution

The city is replacing nearly 41,600 mercury vapor and high-pressure sodium (HPS) lights on arterial streets and residential thoroughfares throughout Las Vegas with efficient GE Evolve™ LED Roadway Cobrahead fixtures.

### Operating Impact

- Energy savings of up \$1.7 million annually
- Reduction of 20 million kWh per year
- Maintenance savings of \$1 million annually

### Environmental Impact

- 12,000 metric tons CO<sup>2</sup> emissions eliminated per year
- =>2,300 cars off the road OR
- =>3,200 acres of new trees

## Castro Urdiales



"The long service life of our LED solution, 50,000 hours, makes it a particularly well suited answer where a maximum cost reduction is sought in public lighting"

--Ana Cantero, Outdoor Fittings Product Manager for EMEA

### Situation

GE Lighting, together with the Environmental Department of the City of Castro Urdiales, has developed a renovation project of the seafront lighting system, improving security and quality of light whilst reducing energy spending.

### GE Lighting Solution

69 Iberia LEDs of 63w and 39 of 90w were installed along the seafront, whilst all sodium and metal halide lamps were substituted in all roadways, especially in the commercial areas, by high output CMH lamps.

### Operating Impact

- Electrical consumption cut by 77% at the seafront
- 50, 000 hours of service life of the LED solution

### Environmental Impact

- Improved pedestrians' security
- Gained visibility and quality of light
- Iberia LED, with a maximum consumption of 90w, provides reduced energy consumption by as much as 60%

# Case Study

## Rodrigo de Freitas Lagoon, Rio de Janeiro - Brazil



"By choosing LED lighting for the Lagoa project, the municipality ratifies its objective of adopting more sustainable technologies for the City. It will be like placing pearls around the Lagoon".

--Carlos Osorio, Conservation Secretary for the City of Rio de Janeiro

### Situation

Famous postal card for the City of Rio de Janeiro, in Brazil, the Rodrigo de Freitas Lagoon (simply known as Lagoa) is the Olympic Rowing venue for the 2016 Games. The previous 567 high pressure sodium fixtures installed created areas of high contrast and shadows, with low visibility specially on the sides of the bicycle path.

### GE Lighting Solution

As part of a revival program for the area in preparation for the Olympics, the City of Rio de Janeiro chose GE's 90 watt LED Evolve Area Light to illuminate its bicycle path alongside the lagoon. On December 30<sup>th</sup>, 2011 the Mayor of Rio turned on the 540 LED fixtures with 50% energy savings for the city.

### Operating Impact

- 50% energy savings
- 1.3 years simple payback period
- HPS system would have required 2 relamps

### Environmental Impact

- 50% CO<sub>2</sub> emission reduction
- enough to light up 360 small houses per year with 15 watt CFL
- 43 acres of new trees

## Rabat Bridge - Morocco



"We needed a brand that would assure a good product quality, and this was provided by GE Lighting with its factories in Europe, which boosted our trust in the manufacturing, finishes and speed of delivery"

--Said Mr Mehdi Meziane Belfkih, Director of Maroc Signal.

### Situation

In the last decade, Morocco has undertaken an ambitious infrastructure modernization plan. The Moulay el Hassan bridge is the result of this gigantic nationwide renovation project. There were three fundamental conditions to be met: low maintenance costs (LED), an aesthetically attractive design and a recognized brand that would assure the quality of the product and customer service.

### GE Lighting Solution

72 Iberia LEDs have been used to light the new bridge; they have been installed at a height of 11 meters to ensure visibility on the 3 traffic lanes in each of the directions.

### Operating Impact

- GE Lighting has provided the city of Rabat with significant savings in energy and maintenance costs.

### Environmental Impact

- Reduced energy consumption and light spill.

# Case Study

## Olympic Park - LOCOG



"The lighting we have provided for the Olympic Park will enhance the levels of safety and security but crucially, as a London Sustainability Partner as well, our Odyssey luminaires and Streetwise lamps will deliver a low impact, energy efficient and sustainable lighting scheme, long after the Olympic Games are over."

--Phil Marshall, President and CEO, GE Lighting EMEA

### Situation

GE Lighting has supplied its Odyssey luminaires and CMH Streetwise lamps to ensure the highest levels of safety and security within the main visitor areas in the Olympic Park, with each utilising bright white light.

### GE Lighting Solution

As such, over 600 of GE Lighting's Odyssey luminaires were installed, a high performing road lighting fitting. In addition, over 600 of GE Lighting's CMH Streetwise lamps were installed in the Olympic Park.

### Operating Impact

- Improved ease of installation and maintenance.
- using CMH StreetWise™ lamps in place of High Pressure Sodium (HPS) lamps can cut energy use by up to 30%.

### Environmental Impact

- Increased safety and reduced after-dark accidents.

## Riverbank Hockey Arena



"We had very clear requirements on what was needed: lighting that would illuminate the arena at night, and create an exciting landmark within the Olympic Park. GE Lighting was able to meet the requirements of the brief and now we have an attractive lighting scheme that can be utilised by the arena after the Olympic Games are over."

--Spokesperson of LOCOG

### Situation

GE Lighting has worked alongside the London Organising Committee of the Olympic Games (LOCOG) to deliver a unique take on its powerful Euroflood 2000 floodlight for the new Olympic Riverbank Arena.

### GE Lighting Solution

Working in conjunction with Syncrolite, over 70 of GE Lighting's Euroflood 2000 floodlights were installed with an innovative filter shutter system, to ensure when the lighting is switched on - it offers the appearance of being colour wrapped but allows for greater flexibility when it comes to colour changing.

### Operating Impact

- It offers the appearance of being colour wrapped but allows for greater flexibility when it comes to colour changing.

### Environmental Impact

- Attractive lighting scheme that can be re-used after the Olympic Games.

# Case Study

## Meung Watsadu, Thailand



"GE's Dura Flux is more safe and has much more longer life."

--Ms. Pimanmart Kietpan, Meung Watsadu Co., Ltd.

### Situation

The Meung Watsadu Co., Ltd. is one of the leading metal sheet manufacturers in Ubonratchathani province, Thailand. Before using GE's Dura Flux, Meung Watsadu used the flood lighting fixtures of other brands which had high maintenance cost. The former fixtures were not durable under high temperature inside the factory which operates for almost 24 hour.

### GE Lighting Solution

GE Lighting (Thailand) offered Dura Flux, 400W to light up the factory of Meung Watsadu. The glass lens and silicon rubber gasket of Dura Flux are heat and shock resistant so that it is still durable under high temperature of metal sheet manufacturing and long daily usage. This lighting solution improves the production efficiency of the factory.

### Operating Impact

- \$3,171 energy savings per year
- 4,000 hrs longer service life
- 3.7 year simple project payback

### Environmental Impact

- 48,833 lbs per yr CO<sup>2</sup> emissions eliminated
- = 4 cars off the road OR
- = 6 acres of new trees

## Turf BGC, Philippines



"We chose GE Powerspot because of its quality and reliability. And the players, they are playing with full satisfaction in the field."

--JOSEPH CANLAS, Fort Bonifacio Development Corporation, Engr. Manager.

### Situation

The Fort Global City Football Field wants to achieve high level of lumens output at least cost. What's more, they require that new lighting system should obtain good reliability and allow the extended nightly requirements for the field to be used by the Philippine National Football team-The AZKALS.

### GE Lighting Solution

GE installed 60 units of Powerspot 1500W and perfectly meet with customer's satisfaction on general lighting in this competition sports field. We used 20% lesser fixtures than other brands while achieving same lux output, making GE lighting solution package more desirable.

### Operating Impact

- USD 10577 energy savings per year
- 1 year simple project payback
- >20% fewer lamps replaced

### Environmental Impact

- 70824.6 lbs per yr CO<sup>2</sup> emissions eliminated
- = 6.1 cars off the road OR
- = 8.8 acres of new trees

# Case Study

## MHA Hockey Stadium, India



"WSH Finals has been broadcasted successfully under GE Lighting System."

--Mr. Gurubax Singh Grewal, MHA Honorary Secretary, MHA Hockey Stadium

### Situation

MHA Mahindra Stadium is the official stadium venue for the world series hockey and holds 7000 seats. In order to meet current Televised Event Norms and reduce energy consumption and light pollution, the stadium decide to revamp the old lighting system, to improve illumination intensity and better control of lighting spill to adjacent areas.

### GE Lighting Solution

GE proposed 120 EF2000 fixtures to replace previous 136 other fixtures. We successfully controlled lighting pollution to neighboring area, thus games can be played at any time without restrictions. Realize significantly increase the lighting effect together with 26% energy saving and successfully meet Televised Event Norms.

### Operating Impact

- USD 4500 energy savings per year
- less than 0.5 Year simple project payback
- 30% fewer lamps replaced

### Environmental Impact

- 70824.6 lbs per yr CO<sup>2</sup> emissions eliminated
- = 6.1 cars off the road OR
- = 8.8 acres of new trees

## IR Factory , China



"We want to replace 400W metal halide in the factory with energy saving products in order to reduce the electricity cost."

### Situation

Client wants to reduce electricity expense by more than 30% and needs total lighting solutions to control labor and electricity cost. Meanwhile, client wants to improve lighting effect to 300lux illumination minimum.

### GE Lighting Solution

To maximize the benefits with the lowest investment, GE suggests to use T5 High Bay Pro 4\*54W to do one-on-one replacement according to the previous metal halide application. 1340 pcs are adopted to achieve 300lux illumination which is far better than the previous 200lux. Meanwhile, on-site electric meter shows 50% of energy saving.

### Operating Impact

- 50% energy saving
- Energy Savings/Yr240332USD
- Replacement saving/Yr806USD
- Labor saving/Yr323USD

**ecomagination**<sup>SM</sup>  
 ECOMAGINATION WORDING  
 MAKING RENEWABLE ENERGY A REALITY.

1. Continue to increase revenue from ecomagination products



2. Double investment in R&D



3. Reduce greenhouse gas emissions and improve energy efficiency of GE



4. Reduce water use and improve water reuse



5. Keep the public informed



## 01 INDOOR LIGHTING



## 24 COMMERCIAL LIGHTING



## 56 ROADWAY LIGHTING



## 84 FLOOD LIGHTING



# INDOOR LIGHTING



Professiona T5 Highbay



T5-High Bay



Armobay



Opti Highbay



CHARGER 400



FILTERGLOW 1000



EUROBAY



VERSABEAM



Jr. Versabeam (HID)



CONSERVA 150



MARINER

## High Bay

Professiona T5 Highbay	2
T5-High Bay	4
Armobay	6
Opti Highbay	8
CHARGER 400	10
FILTERGLOW 1000	12
EUROBAY	14
VERSABEAM	16
Jr. Versabeam (HID)	18
CONSERVA 150	20

## Low Bay

MARINER	22
---------	----





4 fixtures on market, more choices for customers



# Professional T5 Highbay

## Specification Features

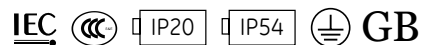
- GE unique reflector design, efficiency up to 92%
- With more lamp options, for better light distribution and flexible design, optimize energy saving
- Work together with GE high efficiency T5 fluorescent lamps, for higher lumen maintenance and longer life
- Energy efficiency, saving up to 50% compared with traditional HID fixture
- Passes the 0.5g 3 dimension vibration test, making it more suitable for industrial environments
- 4 mounting method available: ceiling, single pole rigid pendant, double pole rigid pendant, flexible chain mounting method. Please order corresponding accessories separately
- Two material options available for reflector: Miro4, 320G
- 220~240V, 50/60Hz
- Place of origin: China

## Applications

- Industrial workshop
- Warehouse
- Supermarket
- Normal working temperature: -15~40°C

## Electric Standards & Safety

CCC Certified, GB7000, 12-1999, IEC60598, IP20, Class I

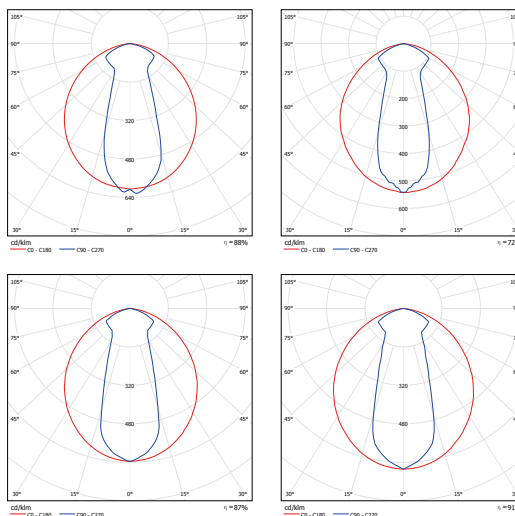


## Dimensions

Unit: mm

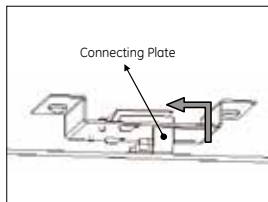
Size (mm)	2 tubes (mm)	3 tubes (mm)	4 tubes (mm)	6 tubes (mm)
L	1235	1235	1235	1235
W	268	364	460	652
H w/o lens (with lens)	80(100)	80(100)	80(100)	80(100)

## Photometric Data

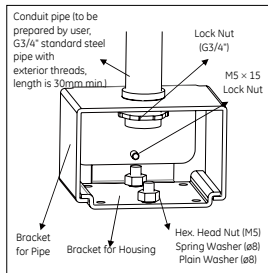


## Installation

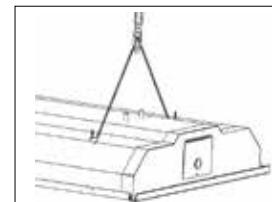
### Ceiling



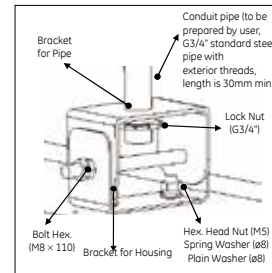
### Single pole rigid pendant



### Flexible chain mounting method



### Double pole rigid pendant



Please order corresponding accessories, Mounting poles or chains

## Order Logic

F5H	4	5	S	G	T	M	C	K	IP
Product	Lamp qty	Lamp power	Ballast	supplier	Ballast position	Reflector material	Installation method	Optional	High IP option
F5H=Highbay	2=2 3=3 4=4 6=6	5=54W 2=28W	S=Standard output *D=DALI dimming *A=DSI dimming	G=GE Ballast *T=Tridonic Ballast	*S=side position T=Ballast top	M=Miro4 G=320G	*S=Single pole mounting C=Double polemounting/ Ceiling mounting	K= Transparent acrylic panel	IP=IP54

\* Is not available for High IP option.  
PMMA borad is must have for High IP option.

## Ordering Description

Reflector: Miro4							
SKU	SKU Description	SKU	SKU Description	SKU	SKU Description	SKU	SKU Description
double rigid pendant / chain / ceiling mounting method							
2 tubes		3 tubes		4 tubes		6 tubes	
AF12987	F5H25SGTMC	AF12854	F5H35SGTMC	AF11899	F5H45SGTMC	AF12722	F5H65SGTMC
AF12988	F5H25SGTMCK	AF12855	F5H35SGTMCK	AF11900	F5H45SGTMCK	AF12723	F5H65SGTMCK
AF12995	F5H22SGTMC	AF12862	F5H32SGTMC	AF11907	F5H42SGTMC	AF12730	F5H62SGTMC
AF12996	F5H22SGTMCK	AF12863	F5H32SGTMCK	AF11908	F5H42SGTMCK	AF12731	F5H62SGTMCK
single rigid pendant mounting method							
2 tubes		3 tubes		4 tubes		6 tubes	
AF13051	F5H25SGTMS	AF12918	F5H35SGTMS	AF11963	F5H45SGTMS	AF12786	F5H65SGTMS
AF13052	F5H25SGTMSK	AF12919	F5H35SGTMSK	AF11964	F5H45SGTMSK	AF12787	F5H65SGTMSK
AF13059	F5H22SGTMS	AF12926	F5H32SGTMS	AF11971	F5H42SGTMS	AF12794	F5H62SGTMS
AF13060	F5H22SGTMSK	AF12927	F5H32SGTMSK	AF11972	F5H42SGTMSK	AF12795	F5H62SGTMSK
Reflector: 320G							
SKU	SKU Description	SKU	SKU Description	SKU	SKU Description	SKU	SKU Description
double rigid pendant / chain / ceiling mounting method							
2 tubes		3 tubes		4 tubes		6 tubes	
AF13003	F5H25SGTGC	AF12870	F5H35SGTGC	AF11915	F5H45SGTGC	AF12738	F5H65SGTGC
AF13004	F5H25SGTGCK	AF12871	F5H35SGTGCK	AF11916	F5H45SGTGCK	AF12739	F5H65SGTGCK
AF13011	F5H22SGTGC	AF12878	F5H32SGTGC	AF11923	F5H42SGTGC	AF12746	F5H62SGTGC
AF13012	F5H22SGTGCK	AF12879	F5H32SGTGCK	AF11924	F5H42SGTGCK	AF12747	F5H62SGTGCK
single rigid pendant mounting method							
2 tubes		3 tubes		4 tubes		6 tubes	
AF13067	F5H25SGTGS	AF12934	F5H35SGTGS	AF11979	F5H45SGTGS	AF12802	F5H65SGTGS
AF13068	F5H25SGTGSK	AF12935	F5H35SGTGSK	AF11980	F5H45SGTGSK	AF12803	F5H65SGTGSK
AF13075	F5H22SGTGS	AF12942	F5H32SGTGS	AF11987	F5H42SGTGS	AF12810	F5H62SGTGS
AF13076	F5H22SGTGSK	AF12943	F5H32SGTGSK	AF11988	F5H42SGTGSK	AF12811	F5H62SGTGSK

\* Lamps are not included.

## Accessories ordering information

SKU	SKU Description
AF12097	Double pole rigid mounting accessories
AF12098	Chain mounting accessories 4 lamps
AF12099	Ceiling mounting accessories
AF12327	Single pole rigid mounting accessories

Mounting poles or chains are not included, please buy separately.





# T5-High Bay

## Specification Features

- GE ecomagination fixture
- Fixture efficiency up to 90%+, 50% energy saving compared with GE HID fixture
- 6 × 54W to replace 400W HID fixture
- 4 × 54W to replace 250W HID fixture
- DALI dimmable ballast as option\*
- GE HO T5 lamps, high lumen maintenance rate, long life, good color rendering
- Passed 0.5G 3 dimensional 100,000 times vibration test
- Easy mounting options: ceiling mounting, rigid pendent mounting, flex chain mounting
- MIRO4 & 320G high efficiency reflector
- Emergency battery system as option
- PE & occupancy sensor\*
- Place of origin: China

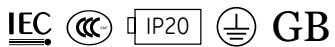
\* Control system, PE & occupancy are not standard accessories, please order separately from relevant manufacturers

## Applications

- Warehouse, light industrial, stock aisle, commercial retail and general areas where high efficiency, consistent light output, white light, color rendering, instant-ton and lighting control may be required

## Electric Standards & Safety

CCC Certified, GB7000, 12-1999, IEC60598, 220-240V, 50/60Hz; IP20, Class I

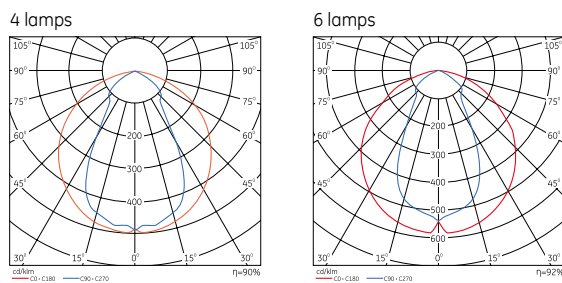


## Order Logic

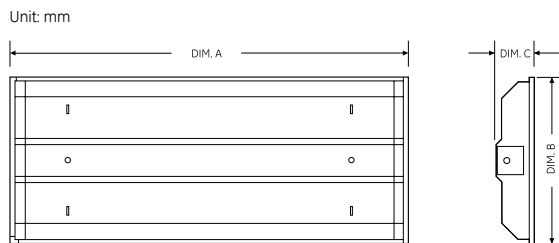
S5H	4	5	B	K
Product	Lamps	Lamp Watts	Ballast Type	Options
S5H=Highbay	4=4 6=6	5=54W 2=28W	B=Standard Ballast E=DALI Dimmable Ballast	K=with Acrylic Lens E=Emergency P=with Australian Standard Plug

Notes: For 35W & 28W product, please contact local sales

## Photometric Data



## Dimensions



	4 lamps (mm)	6 lamps (mm)
DIM.A	1270	1270
DIM.B	550	750
DIM.C	120	120

## Ordering Description

MIRO 4 Standard Ballast		320G Standard Ballast	
SKU	Description	SKU	Description
AF12001	S5H45B	AF12049	S5H45B
AF12002	S5H45BK	AF12050	S5H45BK
AF12003	S5H45BE	AF12051	S5H45BE
AF12004	S5H45BP	AF12052	S5H45BP
AF12005	S5H45BKE	AF12053	S5H45BKE
AF12006	S5H45BKP	AF12054	S5H45BKP
AF12007	S5H45BEP	AF12055	S5H45BEP
AF12008	S5H45BKEP	AF12056	S5H45BKEP
AF12009	S5H65B	AF12057	S5H65B
AF12010	S5H65BK	AF12058	S5H65BK
AF12011	S5H65BE	AF12059	S5H65BE
AF12012	S5H65BP	AF12060	S5H65BP
AF12013	S5H65BKE	AF12061	S5H65BKE
AF12014	S5H65BKP	AF12062	S5H65BKP
AF12015	S5H65BEP	AF12063	S5H65BEP
AF12016	S5H65BKEP	AF12064	S5H65BKEP

\* Lamps are not included.

\* Lamps are not included.

## Accessories

SKU	Description
AF12097	Rigid pendent mounting accessories
AF12098	Flex chain mounting accessories (4 lamps)
AF12106	Flex chain mounting accessories (6 lamps)
AF12099	Ceiling mounting accessories
AF12102	Wire Guard (4 lamps)
AF12103	Wire Guard (6 lamps)



# Armobay

## Specification Features

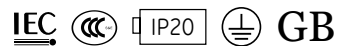
- Aluminium reflector fixture IP65, PC reflector IP23 (Reflector), IP65 (Gear box)
- GE Energy ASPIRE Breather
- Passed 1G 3 dimensional 100,000 times vibration test
- Narrow, wide, PC, EBR and EBRD reflector for option, adjustable optical
- Rigid pendent mounting and Hook mounting
- Double lamp option, additional 150W Halogen will light up and operate as the main discharge lamp, can reach its rated power at switch on
- 70-400W HPS and MH lamp
- Place of origin: China

## Applications

For different height applications, such as warehouse, assembly plants, material handling, maintenance areas, manufacturing inspection areas and other industrial areas

## Electric Standards & Safety

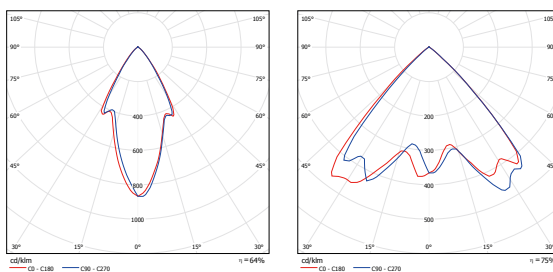
CCC Certified, GB7000, 12-1999, IEC60598, 220-240V, 50/60Hz; IP20, Class I



## Order Logic

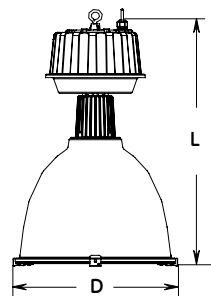
EHB	40	M/S	8	
Product	Wattage	Light Source	Voltage	
EHB=Standard Gearbox	07=70W	M/S=MH/HPS	60Hz	50Hz
EHB=Double Lamp Gearbox	10=100W	M=MH	3=220V	6=240V
	15=150W		4=230V	7=230V
	25=250W		5=240V	8=220V
	40=400W			

## Photometric Data



## Dimensions

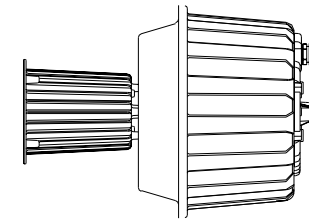
Unit: mm



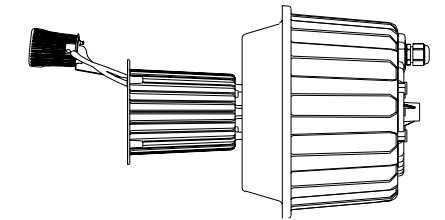
	Dimensions (mm)
17" Reflector	L × D=750 × 440mm
19" Reflector	L × D=700 × 490mm
PC Reflector	L × D=790 × 560mm
EBR Reflector	L × D=670 × 437mm
EBRD Reflector	L × D=680 × 470mm

## Ordering Description

### Standard Gear Box



### Double Lamp Gear Box



SKU	SKU Description
AF12501	EHB25 M/S 3
AF12502	EHB15 M/S 3
AF12503	EHB07 M/S 3
AF12504	EHB25 M/S 4
AF12505	EHB15 M/S 4
AF12506	EHB07 M/S 4
AF12507	EHB25 M/S 5
AF12508	EHB15 M/S 5
AF12509	EHB07 M/S 5
AF12510	EHB40 M/S 8
AF12511	EHB25 M/S 8
AF12512	EHB15 M/S 8
AF12513	EHB10 M/S 8
AF12514	EHB07 M/S 8
AF12515	EHB25 M 8
AF12516	EHB40 M 8
AF12517	EHB40 M/S 7
AF12518	EHB25 M/S 7
AF12519	EHB15 M/S 7
AF12520	EHB10 M/S 7
AF12521	EHB07 M/S 7
AF12523	EHB40 M/S 6
AF12524	EHB25 M/S 6
AF12525	EHB15 M/S 6
AF12526	EHB10 M/S 6
AF12527	EHB07 M/S 6

\* Lamps are not included.

SKU	SKU Description
AF12529	EHB25 M/S 3
AF12530	EHB15 M/S 3
AF12531	EHB07 M/S 3
AF12532	EHB25 M/S 4
AF12533	EHB15 M/S 4
AF12534	EHB07 M/S 4
AF12535	EHB25 M/S 5
AF12536	EHB15 M/S 5
AF12537	EHB07 M/S 5
AF12538	EHB40 M/S 8
AF12539	EHB25 M/S 8
AF12540	EHB15 M/S 8
AF12541	EHB10 M/S 8
AF12542	EHB07 M/S 8
AF12543	EHB25 M 8
AF12544	EHB40 M 8
AF12545	EHB40 M/S 7
AF12546	EHB25 M/S 7
AF12547	EHB15 M/S 7
AF12548	EHB10 M/S 7
AF12549	EHB07 M/S 7
AF12551	EHB40 M/S 6
AF12552	EHB25 M/S 6
AF12553	EHB15 M/S 6
AF12554	EHB10 M/S 6
AF12555	EHB07 M/S 6

## Reflectors & Accessories

SKU	SKU Description
AF12557	17" Narrow Beam Aluminium Reflector IP65
AF12566	17" Narrow Beam Aluminium Reflector IP20
AF12558	17" Narrow Beam Aluminium Reflector Glass Cover
AF12559	19" Wide Beam Aluminium Reflector IP65
AF12567	19" Wide Beam Aluminium Reflector IP20
AF12560	19" Wide Beam Aluminium Reflector Glass Cover
AF12561	22" PC Reflector
AF12562	Pendent Bracket

SKU	SKU Description
AF12563	Hook
AF12564	Narrow Beam Reflector Wire Guard
AF12565	Wide Beam Reflector Wire Guard
10854	EBR Reflector
43009	EBV (EBR glass cover)
43010	EBG (EBR wire guard)
17103	EBRD Reflector
43043	EBRD Diffuser



# Opti Highbay

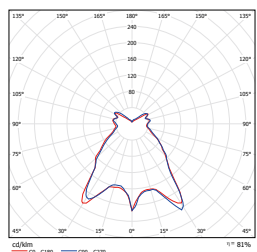
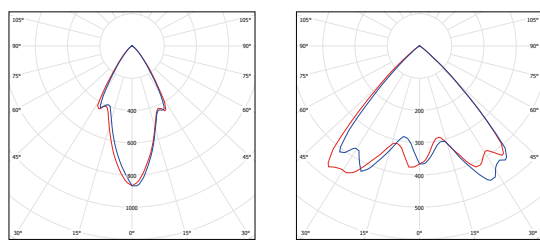
## Specification Features

- High efficiency, 80%
- IP20-54, special designed for tough industrial environment
- Wide product variety, more options for customers  
Wattage: 70W/100W/150W/250W/400W  
Lamp: High Pressure Sodium /Metal Halide  
Voltage/Frequency: 220V~240V/50Hz  
Have different options of reflector for more optical results
- Hook mounting
- Place of origin: China

## Applications

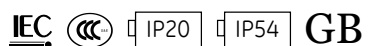
- Suitable for installing above 6m, below 12m
- Factory
- Workshop
- Logistic center
- Warehouse

## Photometric Data



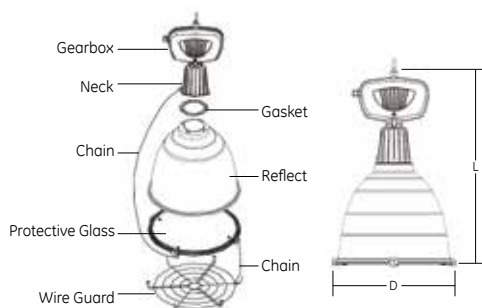
## Electric Standards & Safety

CCC Certificated, GB7000, 12-1999, IEC60598, 220-240V, 50/60Hz, IP20-IP54

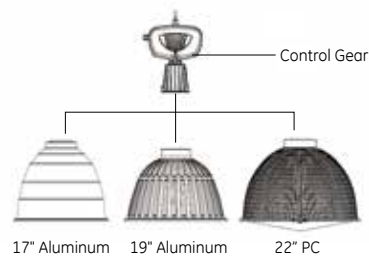


## Dimensions

Unit: mm



17" reflector	L × D=720×440mm
19" reflector	L × D=670×490mm
22" reflector	L × D=760×560mm



Class1	∇ 220V~, 50Hz
IP20	Open or with Wire-guard (unfit for MH lamps)
IP23	PC Reflector
IP54	With Protective Glass

## Order Logic

OHB	40	M	8
Product Series	Wattage	Ballast	Voltage/Frequency
OHB=Opti-Highbay	07=70W 10=100W 15=150W 17=175W 25=250W 40=400W	M/S=MSB M=MHB	6=240V(50Hz) 7=230V(50Hz) 8=220V(50Hz)

## Ordering Description

SKU	SKU Description	Weight(kg)	Wattage(W)	Lamp	Voltage/Frequency	Socket
AF12391	OHB 07 M/S 6	1.4	70	HPS/MH70W	240V/50Hz	E27
AF12392	OHB 10 M/S 6	2.4	100	HPS/MH100W	240V/50Hz	E40
AF12393	OHB 15 M/S 6	4.4	150	HPS/MH150W	240V/50Hz	E40
AF12394	OHB 25 M/S 6	5.9	250	HPS/MH250W	240V/50Hz	E40
AF12395	OHB 40 M/S 6	6.9	400	HPS/MH400W	240V/50Hz	E40
AF12400	OHB 40 M 6	5.3	400	HPM/MH400W	240V/50Hz	E40
AF12401	OHB 07 M/S 7	1.4	70	HPS/MH70W	230V/50Hz	E27
AF12402	OHB 10 M/S 7	2.4	100	HPS/MH100W	230V/50Hz	E40
AF12403	OHB 15 M/S 7	4.4	150	HPS/MH150W	230V/50Hz	E40
AF12404	OHB 25 M/S 7	5.9	250	HPS/MH250W	230V/50Hz	E40
AF12405	OHB 40 M/S 7	6.9	400	HPS/MH400W	230V/50Hz	E40
AF12410	OHB 40 M 7	5.3	400	HPM/MH400W	230V/50Hz	E40
AF12411	OHB 07 M/S 8	1.4	70	HPS/MH70W	220V/50Hz	E27
AF12412	OHB 10 M/S 8	2.4	100	HPS/MH100W	220V/50Hz	E40
AF12413	OHB 15 M/S 8	4.4	150	HPS/MH150W	220V/50Hz	E40
AF12414	OHB 25 M/S 8	5.9	250	HPS/MH250W	220V/50Hz	E40
AF12415	OHB 40 M/S 8	6.9	400	HPS/MH400W	220V/50Hz	E40
AF12419	OHB 25 M 8	4.3	250	HPM/MH250W	220V/50Hz	E40
AF12420	OHB 40 M 8	5.3	400	HPM/MH400W	220V/50Hz	E40

\* Lamps are not included.

## Optical Parts and Accessories

SKU	SKU Description	Weight(kg)
AF12421	17" aluminium reflector, narrow beam (IP54)	1.3
AF12422	glass cover, 17" reflector, 435x5mm	2.2
AF12423	19" aluminium reflector, wide beam (IP54)	1.4
AF12424	glass cover, 19" reflector, 480x5mm	2.5
AF12425	22" PC reflector	3.9
AF12426	wire guard, 17" reflector, 440	0.6
AF12427	wire guard, 19" reflector, 485	0.75
AF12428	17" aluminium reflector, narrow beam (IP20)	1.3
AF12429	19" aluminium reflector, wide beam (IP20)	1.4



# CHARGER 400

## Specification Features

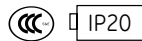
- High quality construction
- Bat wing photometric distribution
- CWA Gear as standard
- Aluminium or prismatic reflector
- High quality US lamp available
- Place of origin: China

## Applications

- For over 20 ft (6 meter) applications in distribution centers, assembly plants, material handling, maintenance, bulky goods retail, sports complex swimming pools

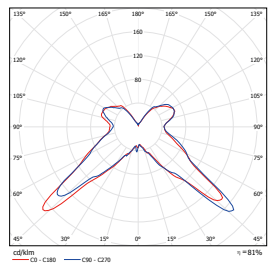
## Electric Standards & Safety

CCC Certified, IP20

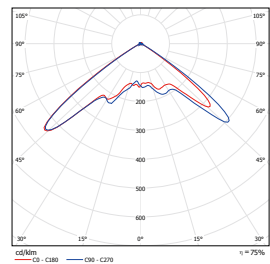


## Photometric Data

CHB 40 MB (PC Cover)



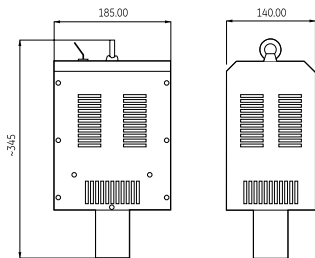
CHB 40 MB (Aluminum Cover)



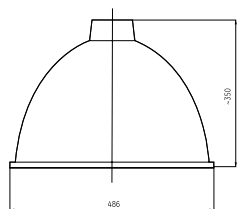
## Dimensions

Unit: mm

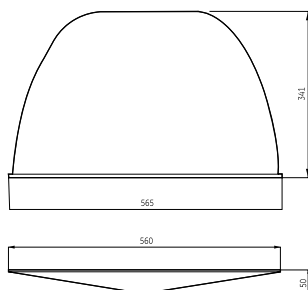
### Gear box



### Aluminium reflector



### PC refractor



## Ordering Description

SKU	SKU Description	Voltage
AF12601	CHB 07 M/S 3	220V/60Hz
AF12603	CHB 15 M/S 3	220V/60Hz
AF12604	CHB 25 M/S 3	220V/60Hz
AF12611	CHB 07 M/S 4	230V/60Hz
AF12613	CHB 15 M/S 4	230V/60Hz
AF12614	CHB 25 M/S 4	230V/60Hz
AF12621	CHB 07 M/S 5	240V/60Hz
AF12623	CHB 15 M/S 5	240V/60Hz
AF12624	CHB 25 M/S 5	240V/60Hz
AF12631	CHB 07 M/S 6	240V/60Hz
AF12632	CHB 10 M/S 6	240V/60Hz
AF12633	CHB 15 M/S 6	240V/60Hz
AF12634	CHB 25 M/S 6	240V/60Hz
AF12635	CHB 40 M/S 6	240V/60Hz
AF12640	CHB 40 M 6	240V/60Hz
AF12641	CHB 07 M/S 7	230V/50Hz
AF12642	CHB 10 M/S 7	230V/50Hz
AF12643	CHB 15 M/S 7	230V/50Hz
AF12644	CHB 25 M/S 7	230V/50Hz
AF12645	CHB 40 M/S 7	230V/50Hz
AF12650	CHB 40 M 7	230V/50Hz
AF12651	CHB 07 M/S 8	220V/50Hz
AF12652	CHB 10 M/S 8	220V/50Hz
AF12653	CHB 15 M/S 8	220V/50Hz
AF12654	CHB 25 M/S 8	220V/50Hz
AF12655	CHB 40 M/S 8	220V/50Hz
AF12659	CHB 25 M 8	220V/50Hz
AF12674	CHB 40 M 8	220V/50Hz

## Recommended Lamp

SKU	SKU Description	Lamp Source	Lamp Base	Voltage
AF12651	CHB 07 M/S 8	ARC70/E/U/740/E27(0.98A) CMH70/TT/UVC/830/E27(0.98A) LU70/90/T12/27(0.98A) NG70/90/E27(0.98A) LU70/90/XO/T12/27(0.98A) LU70/90/HO/T12/27(0.98A)	E27	220V/50Hz
AF12652	CHB 10 M/S 8	CMH100/TT/UVC/830/E40(1.1A) LU100/100/MO/T/40(1.2A) NG100/100/T/E40(1.2A) LU100/100/XO/T/40(1.2A)	E40	220V/50Hz
AF12653	CHB 15 M/S 8	ARC150/T/U/740/E40(1.8A) CMH150/TT/UVC/830/E40(1.8A) LU150/100/T/40(1.8A) LU150/100/T/E40(1.8A) LU150/100/XO/T/40(1.8A)	E40	220V/50Hz
AF12654	CHB 25 M/S 8	ARC250/T/U/740/E40(3.0A) CMH250/TT/U/830/E40(2.7A) LU250/T/40(3.0A) LU250/T/E40(3.0A) LU250/XO/T/40(2.95A)	E40	220V/50Hz
AF12655	CHB 40 M/S 8	ARC400/T/U/740/E40(4.2A) CMH400/TT/UVC/U/830/E40(4.2A) LU400/T/40(4.6A) LU400/T/E40(4.6A) LU400/XO/T/40(4.5A)	E40	220V/50Hz
AF12659	CHB 25 M 8	KRC250/T/U/740/E40(2.1A) KRC250/D/U/740/E40(2.1A)	E40	220V/50Hz
AF12674	CHB 40 M 8	KRC400/T/VBU/960/E40(3.3A) KRC400/T/U/740/E40(3.5A)	E40	220V/50Hz

\* Lamps are not included.

## Accessories

SKU	SKU Description	SKU	SKU Description
AF12666	19" Aluminum Reflector, w/clamp to fit With glass cover	AF12671	22" PC Plastic Reflector
AF12667	19" Glass Cover	AF12672	22" PC Hood Drop Lens
AF12668	19" Wire Guard	AF12673	19" Aluminum Reflector
AF12669	16" PC Plastic Reflector	AF12682	clamp for 19" Aluminum Reflector and glass cover
AF12670	16" PC Hood Drop Lens		



# FILTERGLOW 1000

## Specification Features

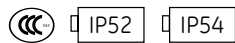
- Enclosed and gasketed optics
- Clear tempered door glass lens
- Charcoal filtered optics
- Unique optical sliding disconnect
- 55°C ambient, standard
- Symmetrical heavy-duty die-casting aluminium ballast housing with electrocoat gray or with polyester paint finish
- ALGLAS finish on faceted reflector
- Safety chain provisions
- Place of origin: USA

## Applications

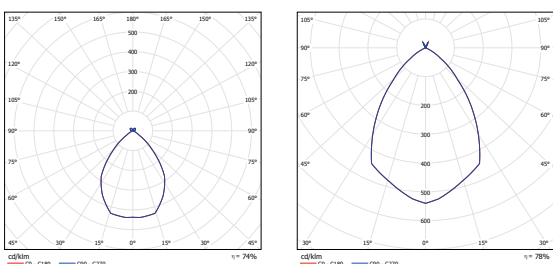
For over 9 meter (30ft.) applications in factories, machine shops, and other industrial environments

## Electric Standards & Safety

CCC Certificated, IP20-IP54

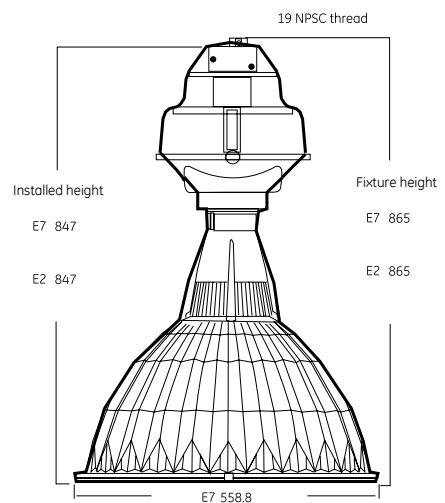


## Photometric Data



## Dimensions

Unit: mm



Note: For wet location dimensions, 44 must be added to overall height.  
Approximate net weight for ballast and optical = 30-45lbs (14-20kg)

## Order Logic

FG6	G	01	M	6	A	E2	EX	11	B
Product	Color	Wattage	Light Source	Voltage	Ballast Type	Optical Code	Photometry Code	Mounting Code	Options
FG6=FILTER GLOW	G=Gray	40=400	M=MH	6=220/50Hz	A=Autoreg	E2=Enclosed 22	See Code Below	11=Pendant	A=65°C Maximum
1000W	Electro	75=750	S=HPS	R=230/50Hz		inches Reflector		Mounting	Ambient
Luminaire	Coat	01=1000	P=Pulse Start	Y=240/50Hz		E7=Enclosed 17		67=Pendant, Nut	B=Time Delay
	W=White		MH	1=120/60Hz		inches Reflector		and Hangar	Automatically
	Polyester			3=240/60Hz				Hub Mounting	Switched Quartz
	powder		Lamp is vertical					(For Use with	
			base up. Lamp					Wet Location)	
			not included.						

Note: Please refer to below data for Wattage/Lamp selection. Specification in green are common configuration.

## Photometric Table

Wattage	Light Source	Spacing Criteria	Socket Position	Optical Code	Photometric Curve	Photometric Code
E7 OPTICAL-Enclosed 17 inches Reflector						
400	MH, P	1.1	11	E7	174961	EX
400	MH, P	1.3	9	E7	174962	EU
400	MH, P	1.6	5	E7	177096	EQ
400	MH, P (coated)	1.0	11	E7	174955	EX
400	HPS	1.0	5	E7	174965	EQ
400	HPS	1.4	3	E7	174966	EO
E2 OPTICAL-Enclosed 22 inches Reflector						
400	MH, P	0.7	7	E2	174959	ES
1000	MH	1.0	11	E2	174969	EX
1000	MH	1.5	7	E2	174970	ES
1000	MH (coated)	1.3	7	E2	174968	ES
400	HPS	0.7	2	E2	174963	EN



# EUROBAY

## Specification Features

- Main body
- Die-casting aluminium body with slide-adjustable steel suspension hook for balancing the fitting. Color Gray 7038
- Wiring box
- Connected to the main body and made from polyamide fibre glass-reinforced 7038 RAL. The wiring box contains the lamp operating components, which are mounted on a removable galvanised steel plate. Accessed by way of a hinged door fitted with a neoprene gasket and secured by four stainless steel screws
- Cable inlet
- The wiring box is fitted with a nylon PGI3.5 cable gland for cable diameter of 9 to 12.5mm
- Reflector
- 99.85% anodized, mirror-finish aluminium reflector ideal for clear bulbs. The reflector is fitted with a silicone gasket and secured to the main body by four screws. Designed to fit a wire guard and protective glass
- Lamp holder
- Plastic E40 version. The lamp holder can be adjusted in 4 different positions to optimise light distribution in relation to the type of lamp used and the installation height
- Place of origin: EU

## Applications

- Eurobay luminaires for interior application feature a lowprofile design and can be equipped with high pressure mercury vapour, sodium or metal halide lamps of up to 400W. Version "CD" is also available, where an additional halogen lamp will light up and operate as long as the main discharge lamp can reach its rated power at switch on
- Ideal for industrial and commercial environments, with medium-high installation heights

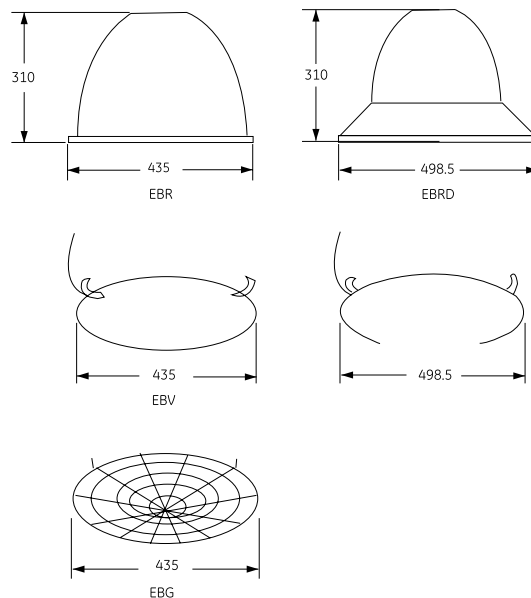
## Electric Standards & Safety

230V/50Hz; CEI 34.21/EN 60598-1; IP65; IEC 60-230V 50Hz-Class I



## Dimensions

Unit: mm



## Applications

- Protective glass EBV
- Tempered glass fixed to the reflector by three stainless steel clips; supplied with safety chain attached to the main body
- Wire guard EBG
- Galvanised steel wire guard used in conjunction with the protective glass, and supplied complete with safety chain
- Diffuser EBD
- UV-stabilized, self-extinguishing V0 polycarbonate, fixed by 6 clips to the body
- Note

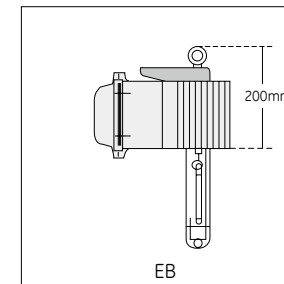
## Photometric Table

### EUROBAY-Fig.1.

CEI 34.21/EN 60598-1, IEC 60-230V 50Hz-Class I  
With Protective Glass IP 23  
For Open Luminaires or Luminaires with Wire Guard IP 65

SKU	SKU Description	Lamp ILCOS Code	Package Weight (kg)	Package (pcs)
43040	EB 250 H GY	QE-250-H-E40-90/227	5.40	1
43038	EB 400 H GY	QE-400-H-E40-120/292	6.60	1
43045	EB 150 CMH M GY	MT/UB-150-H-E40-48/209	4.30	1
43035	EB 250 M GY	MT-250-H-E40-47/219/V	5.40	1
42951	EB 250 CMH M GY	MT/UB-250-H-E40-48/260	5.40	1
43032	EB 400 M GY	MT-400-H-E40-59/270/V	6.60	1
42943	EB 400 CMH M GY	MT/UB-400-H-E40-60/278	6.60	1
43027	EB 150 S GY	ST-150-H-E40-48/211	4.30	1
43026	EB 250 S GY	ST-250-H-E40-48/260	5.40	1
43031	EB 400 S GY	ST-400-H-E40-48/283	6.60	1

Body complete with lamp

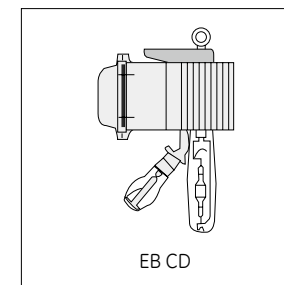


### EUROBAY-Fig.2.

CEI 34.21/EN 60598-1, IEC 60-230V 50Hz-Class I  
With Protective Glass IP 23  
For Open Luminaires or Luminaires with Wire Guard IP 65

SKU	SKU Description	Lamp ILCOS Code	Package Weight (kg)	Package (pcs)
43025	EB 250 H CD GY	MC-100-H-E27-54/141	5.60	1
43024	EB 400 H CD GY	MC-100-H-E27-54/141	6.80	1
43001	EB 150 M CD CMH GY	MC-100-H-E27-54/141	4.00	1
43023	EB 250 M CD GY	MC-100-H-E27-54/141	6.80	1
43000	EB 250 M CD CMH GY	MC-100-H-E27-54/141	5.60	1
43022	EB 400 M CD GY	MC-100-H-E27-54/141	6.80	1
42952	EB 400 M CD CMH GY	MC-100-H-E27-54/141	6.80	1
43020	EB 150 S CD GY	ST-150-H-E40-48/211	4.40	1
43017	EB 250 S CD GY	ST-250-H-E40-48/260	5.60	1
43015	EB 400 S CDGY	ST-400-H-E40-48/283	6.80	1

Body complete with lamp



## Reflector

SKU	SKU Description	Lamp Qty & Type ILCOS Code	Package Weight (kg)	Package (pcs)
10854	EBR	Reflector	1.2	4
17103	EBRD	Diffusor reflector	0.85	4

## Accessories

SKU	SKU Description	Lamp Qty & Type ILCOS Code	Package Weight (kg)	Package (pcs)
43009	EBV	Protective Glass for EBR	0.48	4
43010	EBG	Wire Guard for EBR	0.09	4
43043	EBD	Diffuser for EBRD	1.1	4



# VERSABEAM

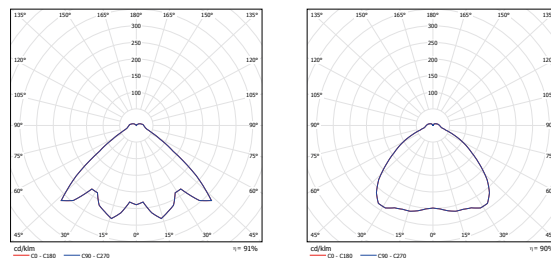
## Specification Features

- Ballast housing  
Ballast housing for discharge lamps up to 400W max. Diecast aluminum ballast housing, with grey polyester powder paint finish applied electrostatically and cured at 180°C over an anti-corrosion layer. Easy installation using a 3/4" NPSC threaded hub, located in the housing and resistant to vibrations
- Optical assembly  
Aluminum spun reflector acting as a support for the acrylic reflector/refractor. Technologically innovative acrylic prismatic diffuser, injection moulded and UV stabilized which can be removed without the need of tools to facilitate replacement of the lamp and is joined to the top aluminum reflector by hinge and latches. EPDM gasket located between the acrylic diffuser and the top aluminum reflector, to guarantee the hermeticity of the optical assembly. Porcelain E40 lamp socket. Internal borosilicate glass refractor with total reflection prisms
- Installation  
Easy installation using a 3/4" NPSC threaded hub, located in the housing and resistant to vibration
- Lamp  
Luminaire supplied without lamp
- Place of origin: EU

## Applications

- Enclosed luminaire, suitable for damp environments, for discharge lamps up to 400W. The acrylic diffuser has a technologically innovative design which, thanks to the combined reflection and refraction prisms, guarantees a high level of efficiency and extraordinary illumination of vertical surfaces, with great visual comfort.
- Particularly suitable for sport, commercial and industrial applications, including environments with a high level of dust and fumes; mounting heights from 4 to 10 meters

## Photometric Data



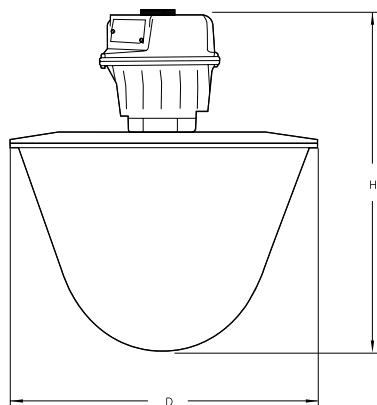
## Electric Standards & Safety

IP52



## Dimensions

Unit: mm



	Height (mm)	Diameter (mm)	Weight (kg)
Versabeam	~636	632	~15

## Order Logic

VB	15	S	8	N	VBF
Product	Wattage	Light Source	Voltage	Ambient C	Optical
VB=Versabeam	07=70W	S=HPS	60Hz	N=N/A	VBF=Surface Mounting Versabeam Optical Enclosed
PC Highbay	10=100W	M=MH	1=240V		
	15=150W	Standard:	2=230V		
	25=250W	Lamp not included	3=220V		
	40=400W		50Hz		
			6=240V		
			7=230V		
			8=220V		

Note: Contact local office for ordering code.

## Photometric Table

### E7 OPTICAL-Enclosed 17 inches Reflector

Wattage(W)	Light Source	Optical Code	Photometric Curve
250	MH	VBF	178508
400	MH	VBF	178437
250	HPS	VBF	178438
400	HPS	VBF	178438



## Jr. Versabeam (HID)

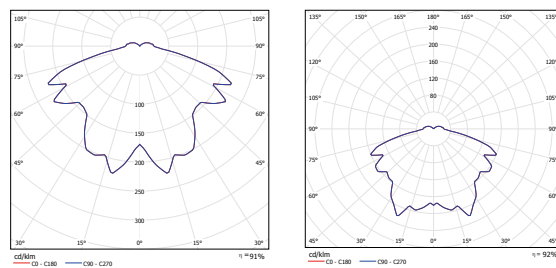
### Specification Features

- Suitable for wet locations depending on mounting hardware used
- Standard construction is IP54
- Sleek, clean housing with teardrop refractor has a Low profile and is architecturally appealing
- Available in custom colors for architectural design considerations
- Decorative stripe adds customer color designs to the high quality die cast housing
- Lamp included, medium base with HID, mogul where listed
- Photometrics provide optimum light levels on vertical and horizontal surfaces
- Advanced refractor technology minimizes glare while maximizing light efficiency.
- Sealed optics allow for use in wet locations and dirty environments
- Place of origin: USA

### Applications

- For 2-4 meter (8-16ft.) mounting heights
- For applications requiring high efficiency and optimized vertical and horizontal light levels
- Industrial, commercial and retail low bay applications, including multipurpose commercial, aisle lighting, display shelving, walkways, and parking garages

### Photometric Data



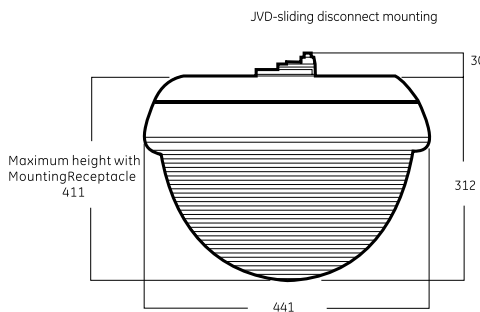
### Electric Standards & Safety

IP54



### Dimensions

Unit: mm



Note: Approximate net weight for total fixture=16-20lbs(10-11kg).

### Order Logic

JVD	15	M	6	A	4	A5	WH	N	02
Product	Wattage	Light Source	Voltage	Ballast Type	Ambient °C	Optical	Housing Color	Stripe Color	Mounting
JVD=Jr. Versabeam	HID	K=Ceramic MH	6=220V/50Hz	A=Autoreg	4=40°C	A5=Acrylic Type	WH=White	N=None	02=MPM-3PR
with Sliding Disconnect	03=25W	M=MH		H=HPF reactor		V Clear Lamp	GR=Grey	1=White	Damp Locations
Mounting	05=50W	S=HPS		or lag		C5=Acrylic type	BL=Black	2=Black	03=MPM-3PRW
	07=70W	P=Pulse Start				V Clear Lamp	RD=Red	3=Red	Wet Locations
	10=100W	M H L a m p s				P5=Lexan SLX	BU=Blue	4=Blue	
	15=150W(55V)	Included				Polycarbonate	GN=Green	5=Green	Unit must be rigidly
	17=175W					Type V Clear lamp	YE=Yellow	6=Yellow	mounted otherwise
	25=250W								unit may not hang straight.

Housing color note:

Colors listed above correspond to the following RAL equivalent:

White=RAL 9016      Blue=RAL 5005  
 Black=RAL 9017      Green=RAL 6016  
 Red=RAL 3001      Yellow=RAL 1023

Note: For "P5" & "AP" Lexan, SLX, Polycarbonate lens reduce light levels by 10%.

Note: Lexan SLX is a registered trademark of GE Plastic.

### Photometric Table

#### A5 & P5 OPTICAL-Enclosed Acrylic/Polycarbonate Type V Clear Lamp

Wattage (W)	Base	Light Source	Spacing Criteria	Curve Number
70	E26	MH	1.4	451618
100	E26	MH	1.4	451619
150	E26	MH	1.4	451620
175	E26	MH, P	1.4	451606
250	E26	MH, P	1.4	452479
70	E26	Ceramic MH	1.2	451609
100	E26	Ceramic MH	1.4	451623
50	E26	HPS	1.5	451610
70	E26	HPS	1.4	451611
100	E26	HPS	1.5	451612
150	E26	HPS	1.6	451613

#### C5 OPTICAL-Enclosed Acrylic Type V Coated Lamp

Wattage (W)	Base	Light Source	Spacing Criteria	Curve Number
70	E26	MH	1.2	452477
100	E26	MH	1.1	457478
175	E26	MH, P	1.2	451608
250	E39	MH, P	1.2	452481





# CONSERVA 150

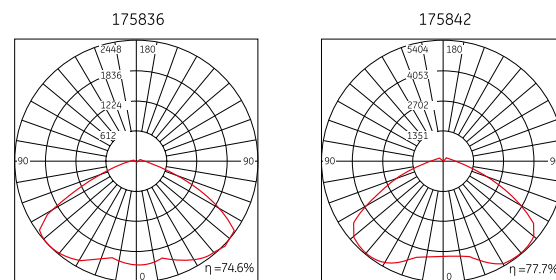
## Specification Features

- Suitable for wet locations depending on mounting hardware used
- Standard construction is IP52, E39 lampbase
- Die-casting aluminium ballast housing with electrocoat gray paint finish and aluminium reflector with alzak finish
- Maximum seal reliability for clean optical component
- UV stabilized injection molded prismatic refractor for low brightness with clampband
- Primary quick disconnect for easy mounting
- Safety chain provisions
- Place of origin: USA

## Applications

- Low mounting height 2-6 meter (8-20ft. ) applications, assembly lines, manufacturing areas, food processing plants, warehoused and parking garages, other industrial applications

## Photometric Data



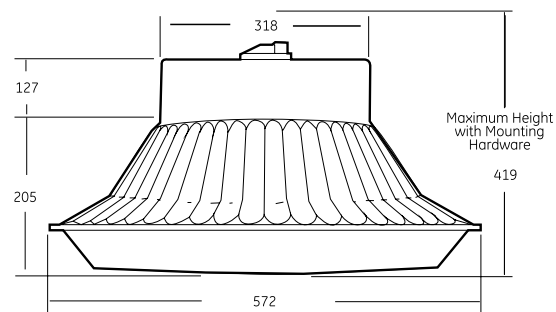
## Electric Standards & Safety

IP52



## Dimensions

Unit: mm



Note: Approximate net weight for ballast and optical = 21-32lbs (10-15kg)

## Order Logic

C1S	40	S	6	A	4	TA	2
Product	Wattage	Light Source	Voltage	Ballast Type	Ambient °C	Optical	Mounting Receptical
C1S=CONSERVA	10=100W	S=HPS	6=220V/50Hz	A=Autoreg	4=40°C	TA=Enclosed Acrylic	2=3/4 inch Pendant
150	15=150W (55V)	M=MH	R=230/50Hz	H=HPF Reactor	5=55°C		Rigid (MPM-3PR)
	17=175W	K=Ceramic MH	Y=240/50Hz				3=3/4 inch Pendant
	25=250W	P=Pulse Start MH	1=120/60Hz				Rigid Wet Location
			3=240/60Hz				(MPM-3PRW)
		Note:					
		Lamp is vertical base					
		up. Lamp not included					

## Photometric Table

### Conserva 150 (C1S)

Wattage (W)	Light Source	Spacing Criteria	Maximum Temperature (°C)	Photometric Curve
100*	MH	1.7	40	452583
175	MH	1.7	40	175836
175 (coated)	MH	1.9	40	175924
250	MH	1.7	40	175836
250 (coated)	MH	1.9	40	175924
150*	P (MH)	1.6	40	452582
175, 250	P (MH)	1.7	40	175836
175, 250 (coated)	P (MH)	1.9	40	175924
70, 100	HPS	1.8	55	175835
150 (55V)	HPS	1.8	55	175835
250	HPS	1.8	40	175842



T5/T8 Mariner-  
MAR/P/C Series



T8 Mariner-  
WAP Series



# MARINER

## Specification Features

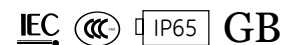
- Body: polycarbonate with expanded polyurethane gasket
- Diffuser : clear Polycarbonate V2 self- extinguishing, injection-moulded and UV stabilized to prevent yellowing, smooth exterior surface for easy cleaning and internal longitudinal prismatic reeding for the maximum luminous efficiency
- Clips: stainless steel clips with steel coupling
- Reflector: with flat reflecting profile, made of sheet steel with white epoxy polyester powder coating guaranteeing high reflective index. Utilized as a support for electrical wiring
- Power supply and electrical circuit: wired for multi-voltage
- MAR/P/C series can be ceiling mounted, or chain mounted, WAP series can be ceiling mounted.
- Place of origin: China

## Applications

- Semi-conductor industry, electronics industry, tunnel, parking lots, walkways and other wet or dusty locations

## Electric Standards & Safety

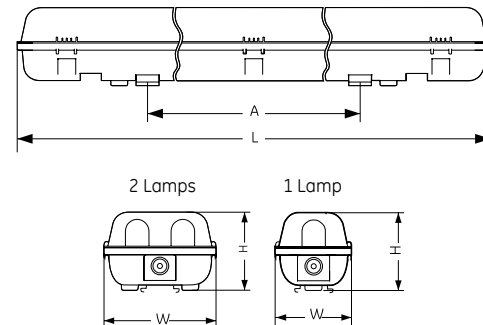
CCC Certificated, GB7000, 12-1999, IEC60598, 220-240V, 50/60Hz; IP65



## Dimensions

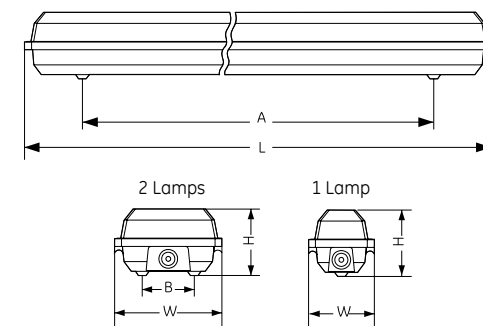
Unit: mm

### MAR/P/C Series



	L (mm)	W (mm)	H (mm)	A (mm)
MAR/P/C118/114	668	100	110	300
MAR/P/C218/214	668	158	110	300
MAR/P/C136/128	1265	100	110	900
MAR/P/C236/228	1265	158	110	900

### WAP Series



	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)
WAP118	657	112	100	300	-
WAP218	657	166	100	300	65
WAP136	1278	112	100	900	-
WAP236	1278	166	100	900	65

## Order Logic

MAR/P/C	1	36	EB	1	XX
Product Identity	Lamps Number	Wattage	Ballast Type	Voltage	Other
WAP*	1=1 Lamp	18W	EB=High PF (Electronic Ballast)	1=240V/60Hz	
MAR/P/C	2=2 Lamps	36W	H=High PF (Magnetic Ballast)	2=230V/60Hz	
		14W	L=Low PF (Magnetic Ballast)	3=220V/60Hz	
		28W		6=240V/50Hz	
				7=230V/50Hz	
				8=220V/50Hz	

\* Note: WAP does not have T5 lamp option.

## Ordering Description

### MAR/P/C Series

#### T8

SKU	SKU Description	Voltage
19447	MAR/P/C 118H	220V/50Hz
19448	MAR/P/C 136H	220V/50Hz
19450	MAR/P/C 218H	220V/50Hz
19451	MAR/P/C 236H	220V/50Hz
19456	MAR/P/C 118L	220V/50Hz
19457	MAR/P/C 136L	220V/50Hz
19460	MAR/P/C 218L	220V/50Hz
19461	MAR/P/C 236L	220V/50Hz
19463	MAR/P/C 118EB	220V/50Hz
19466	MAR/P/C 136EB	220V/50Hz
19472	MAR/P/C 218EB	220V/50Hz
19473	MAR/P/C 236EB	220V/50Hz

\* Lamps are not included.

#### T5

SKU	SKU Description	Voltage
19576	MAR/P/C 114EB	220~240V/50~60Hz
19577	MAR/P/C 214EB	220~240V/50~60Hz
19578	MAR/P/C 128EB	220~240V/50~60Hz
19579	MAR/P/C 228EB	220~240V/50~60Hz

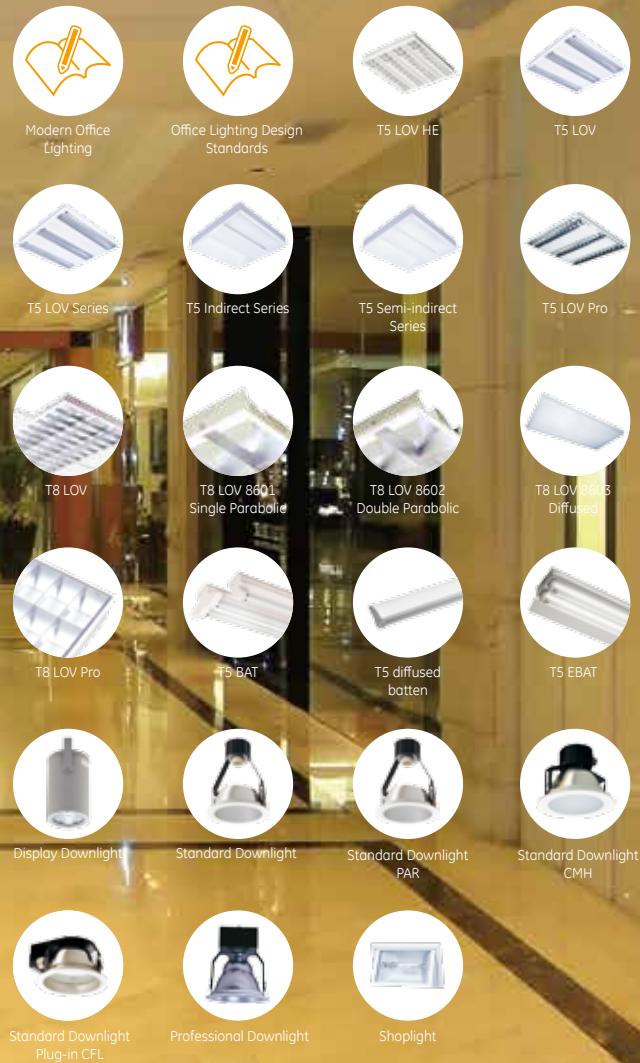
\* Lamps are not included.

### WAP Series

#### T8

SKU	SKU Description	Voltage
49052	WAP 118H	220V/50Hz
49053	WAP 136H	220V/50Hz
49056	WAP 218H	220V/50Hz
49057	WAP 236H	220V/50Hz
49065	WAP 118L	220V/50Hz
49066	WAP 136L	220V/50Hz
49068	WAP 218L	220V/50Hz
49069	WAP 236L	220V/50Hz
49059	WAP 118EB	220V/50Hz
49060	WAP 136EB	220V/50Hz
49062	WAP 218EB	220V/50Hz
49063	WAP 236EB	220V/50Hz

# COMMERCIAL LIGHTING



Modern Office Lighting ----- 26

Office Lighting Design Standards ----- 27

## Lov Series

T5 LOV HE ----- 28

T5 LOV ----- 30

T5 LOV Series ----- 31

T5 Indirect Series ----- 32

T5 Semi-indirect Series ----- 33

T5 LOV Pro ----- 34

T8 LOV ----- 35

T8 LOV 8601 Single Parabolic ----- 36

T8 LOV 8602 Double Parabolic ----- 37

T8 LOV 8603 Diffused ----- 38

T8 LOV Pro ----- 39

## Batten Series

T5 BAT ----- 40

T5 diffused batten ----- 42

T5 EBAT ----- 44

## Downlight Series

Display Downlight ----- 45

Standard Downlight ----- 47

Standard Downlight PAR ----- 48

Standard Downlight CMH ----- 49

Standard Downlight Plug-in CFL ----- 50

Professional Downlight ----- 52

Shoplight ----- 55



# Modern Office Lighting



## Central Office

It's the largest space shared by many people and also the main operation area for the entire organization. Given its importance supporting the operations of the company, the area often needs to be divided into different functional zones for different departments or working tasks. It needs uniform lighting with the minimal differences of illumination and color, and less glare on computer screens. It is recommended to have an integration of direct/indirect lighting.

## Unit Office

In these areas, employees focus on their work with fewer distractions. This area shall at the same time have greater emphasis on appearance and ambience for visitors. Down lighting is commonly applied to provide sufficient lighting. In addition, desk lamps can be used for individual work.

## Comprehensive Office Area

This area is integrated for working and communication. With a centralized and relaxed working environment, it shall benefit the responsibility and team building, it is the working mode of modern organization leading the trend of offices. As for the flexible seats arrangement in large office, it features the different functions for the company requirements.

## Corridor

Corridors connect areas and require more functionality. Although confined, corridors still require brighter lighting. Especially in narrower areas, where lighting shall break the limitations of original structure as well as improving functionality. Downlights and cove lighting address this along with grille lights and spotlights, ideal illumination of this area is between 100-200lux.

## Facade & Signage

An office building exterior facade and logo represent the company image, especially its logo or advertising light box. The buildings frame shall be illuminated by colours and/or light beams.

## Conference Room

Conference rooms are for the discussion and communicating to a broader group of employees. Functions normally include internal/ external meetings, lectures, video demonstrations, conference room (hall) and video conference. Different scene settings are needed for different activities within the same conference area.

## Lobby

Lobby is the main thoroughfare leading to the office area, where guests or visitors would normally wait for the internal employees. Organizations usually display iconic items such as trophies, posters and product models presenting the company's image. Downlights with high-top provide the integrated lighting, with the varying cove lighting and spotlights to accentuate the company's culture and architecture. Ideal illumination of the area is 150-300lux.

## Reception Desk

Reception desk provides first impressions. The critical functional requirement of illumination is to support business and communication between internal and external affairs. The standard illumination shall not be less than 300lux which minimizes the glare on computer screens. At the same time, it shall meet the individual demands between different companies, such as dimming and backdrop lighting.

## Parking Area

Normally, office buildings have indoor and outdoor parking areas with different lighting solutions. Outdoor parking contains area lighting and roadway lighting, which requires high lighting control quality of products, so to guarantee uniformity and avoid Zebra effect. Lighting for indoor parking rooms focus on cove lighting, and sufficient illumination (80lux) with wide uniformity (>0.5) will provide safety visibility for users.

# Office Lighting Design Standards

## Lumination Standard of Office Building Overseas (lx)

Office Type	CIE	GB
	S008/E-2001	50034-2004
Stander Office	500	300
Computer Center	500	500
Design Room, Drawing Room	750	500
Typewriting Room	500	300
Reception Room, Conference Room	300/500	300
Rest Room	100	200
Stair Room, Elevator Hoistway	150	50
Corridor	100	50

## Uniformed Glare Grade Limited by UGR

### UGR(Recommended GB50034-2004)

Room or Site	UGR
Common Office	19
Superior Office	19
Conference Room	19
Business Hall	22
Design Room	19



# T5 LOV HE

## Specification Features

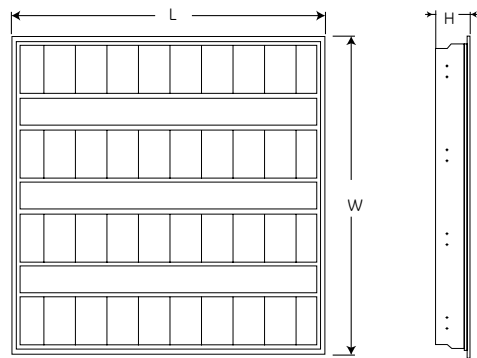
- Meet CIBES CAT II glare control standard
- GE new designed high efficiency reflector
- 70% LOR for Miro4 reflector
- 60% LOR for 320G reflector
- Slim fixture design (65mm in height)
- Multi-options for more customer requirement
- Easy installation and maintenance
- Place of origin: China

## Applications

- Offices
- Schools
- Conference rooms
- Other glare control indoor areas

## Dimensions

Unit: mm

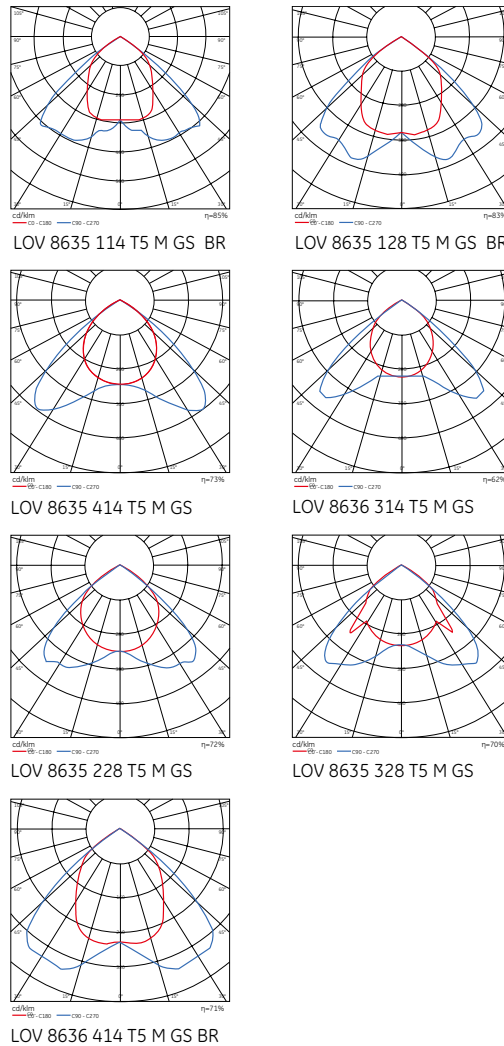


	(LxWxH)
1 × 14W	597 × 297 × 65
2 × 14W	597 × 297 × 65
3 × 14W	597 × 597 × 65
4 × 14W	597 × 597 × 65
1 × 28W	1197 × 297 × 65
2 × 28W	1197 × 297 × 65
3 × 28W	1197 × 597 × 65
1 × 54W	1197 × 297 × 65
2 × 54W	1197 × 297 × 65

## Electric Standards & Safety



## Photometric Data



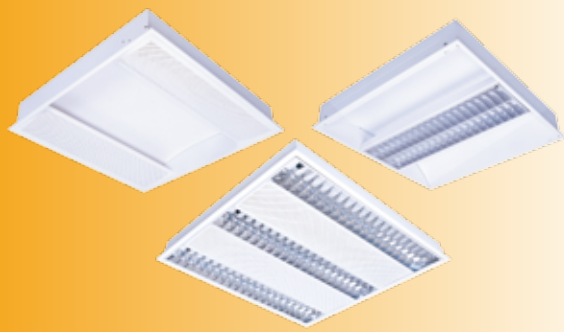
## Order Logic

Product Identity	Series	Number of Lamps	Lamp Watts	Reflector Type	Ballast Type Selection	Back Reflector
LOV	8635=MIRO4	1=1	14=14W	M=Mirror Reflector	GS=Standard Ballast, High Power Factor	BR=Back Reflector
	8636=320G	2=2	28=28W			
		3=3	54=54W			
		4=4				

## Ordering Description

SKU	SKU Description	SKU	SKU Description
AF40389	LOV 8635 114 T5 M GS	AF40405	LOV 8636 328 T5 M GS
AF40390	LOV 8635 214 T5 M GS	AF40406	LOV 8636 154 T5 M GS
AF40391	LOV 8635 314 T5 M GS	AF40407	LOV 8636 254 T5 M GS
AF40392	LOV 8635 414 T5 M GS	AF40409	LOV 8635 114 T5 M GS BR
AF40393	LOV 8635 128 T5 M GS	AF40410	LOV 8635 128 T5 M GS BR
AF40394	LOV 8635 228 T5 M GS	AF40411	LOV 8635 154 T5 M GS BR
AF40395	LOV 8635 328 T5 M GS	AF40412	LOV 8636 114 T5 M GS BR
AF40396	LOV 8635 154 T5 M GS	AF40413	LOV 8636 214 T5 M GS BR
AF40397	LOV 8635 254 T5 M GS	AF40414	LOV 8636 314 T5 M GS BR
AF40399	LOV 8636 114 T5 M GS	AF40415	LOV 8636 414 T5 M GS BR
AF40400	LOV 8636 214 T5 M GS	AF40416	LOV 8636 128 T5 M GS BR
AF40401	LOV 8636 314 T5 M GS	AF40417	LOV 8636 228 T5 M GS BR
AF40402	LOV 8636 414 T5 M GS	AF40418	LOV 8636 328 T5 M GS BR
AF40403	LOV 8636 128 T5 M GS	AF40419	LOV 8636 154 T5 M GS BR
AF40404	LOV 8636 228 T5 M GS	AF40420	LOV 8636 254 T5 M GS BR

\* Lamps are not included.



## T5 LOV

### Specification Features

To obtain the best systematic performance, please use GE lamps. GE offers full range of high performance fluorescent lamps.

#### GE High Performance Electronic Ballasts

- High power factor
- Pre-heat start
- Lamp abnormal or over current cut off
- EMI conforms with Europe CISPR PART15 standard
- CCC Certificated

#### GE T5 Fluorescent T5 Starcoat

- Available power: 14W, 21W, 28W, 35W
- Pipe diameter: 16mm, attractive appearance
- Extra long life of 30000 hours
- Higher efficiency and lumen output
- Only 30s from starting to 80% max lumen output
- Lumen maintenance: 92% (10000hrs)
- Various CCT for option: 2700K, 2950K, 3400K, 4000K, 6500K
- Place of origin: China

### Applications

- Offices, conference rooms
- Executive offices
- Department Stores & Boutiques
- Hotels & Restaurants, schools, hospitals
- Other indoor places

### Order Logic

#### Direct series

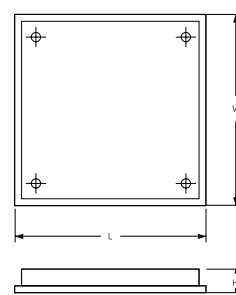
8632	214 T5	R	M
serial number	light	lamp alignment	options
8632=double parabolic	214 T5=2 × 14W	R=recessed, metal mesh panel	F=Frosted Reflector
8633=single parabolic	314 T5=3 × 14W	OPL=recessed, acrylic panel	M=Mirror Reflector
	228 T5=2 × 28W		
	328 T5=3 × 28W		

#### Indirect and semi-indirect series

8631	214 T5	R	M
serial number	light	lamp alignment	options
8631=Indirect/Semi-Indirect series	214 T5=2 × 14W	C=lamps in center	LOV=Semi-Indirect, blades
	314 T5=3 × 14W	A=lamps aside	OPL=Semi-Indirect, acrylic panel
	228 T5=2 × 28W		
	328 T5=3 × 28W		

### Dimensions

Unit: mm



#### Direct series

	L	W	H
2 × 14W	597	297	60
3 × 14W	597	597	60
4 × 14W	597	597	60
2 × 28W	1197	297	60
3 × 28W	1197	597	60

#### Indirect and semi-indirect series

	L	W	H
2 × 14W	597	597	95
2 × 28W	1197	597	95
2 × 34W	597	597	95

### Installation

- Recessed mounting, safety chain holes prepared
- Suitable for T-Bar installation, no needs to remove lamp or reflector

### Electric Standards & Safety

CCC Certificated; Conform with GB 7000.202-2008; IEC60598; IP20; Class I



## T5 LOV Series

### Specification Features

- Housing: 0.6mm steel plate with anti-UV powder coating treatment
- 0.4mm high purity aluminium for reflectors and louvers, anodized treated
- Parabolic reflectors with louver shape design, effectively controls glare
- Mesh between lamps for softer light
- Bat wing distribution curve design distributes even and soft light
- Easy installation and maintenance
- GE electronic ballast and T5 linear fluorescent lamps used
- HVAC series upon customer request
- GE featured gear tray for system efficiency improvement (patented)
- Place of origin: China

### Ordering Description

#### Frosted reflector, Mesh metal panel

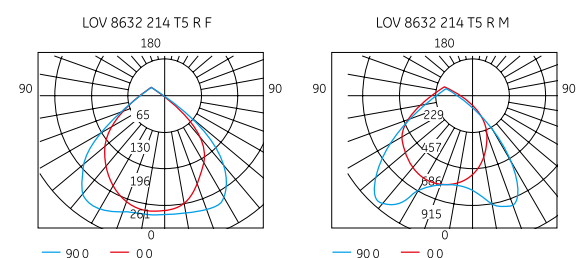
SKU	SKU Description	Lamp	Current(A)	Power Factor	Package (pcs)	Package Weight (kg)
AF40601	LOV 8632 214 T5 R F	2 × F14 T5	0.15	>0.97	2	5.9
AF40603	LOV 8632 314 T5 R F	3 × F14 T5	0.22	>0.97	2	10.1
AF40605	LOV 8632 228 T5 R F	2 × F28 T5	0.28	>0.97	2	10.9
AF40607	LOV 8632 328 T5 R F	3 × F28 T5	0.42	>0.97	2	18.0
AF40609	LOV 8632 414 T5 R F	4 × F14 T5	0.30	>0.97	2	10.5

#### Frosted reflector, Mesh metal panel

AF40600	LOV 8632 214 T5 R M	2 × F14 T5	0.15	>0.97	2	5.9
AF40602	LOV 8632 314 T5 R M	3 × F14 T5	0.22	>0.97	2	10.1
AF40604	LOV 8632 228 T5 R M	2 × F28 T5	0.28	>0.97	2	10.9
AF40606	LOV 8632 328 T5 R M	3 × F28 T5	0.42	>0.97	2	18.0
AF40608	LOV 8632 414 T5 R M	4 × F14 T5	0.30	>0.97	2	10.5

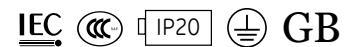
\* Lamps are not included.

### Photometric Data



### Electric Standards & Safety

CCC Certificated, GB7000, 12-1999, IEC60598, IP20, Class I



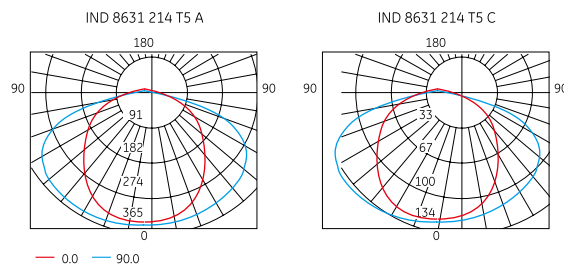


## T5 Indirect Series

### Specification Features

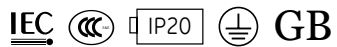
- Housing: 0.6mm steel plate with anti-UV powder coating treatment
- Reflectors: frosted finish with anti-UV treatment
- Louvers: 0.4mm high purity aluminium, anodized treated
- Indirect lighting: bright and soft light output, better glare control
- Easy installation and maintenance
- GE electronic ballast and T5 linear fluorescent lamps used
- Lamp tube location centered or aside layout for customer choice
- GE featured gear tray for system efficiency improvement (patented)
- Place of origin: China

### Photometric Data



### Electric Standards & Safety

CCC Certificated, GB7000, 12-1999, IEC60598, IP20, Class I



### Ordering Description

SKU	SKU Description	Source	Current (A)	Power Factor	Package (pcs)	Package Weight (kg)
49221	IND 8631 214 T5 C	2 × F14W T5	0.15	>0.97	2	13.2
49222	IND 8631 214 T5 A	2 × F14W T5	0.15	>0.97	2	12.4
49223	IND 8631 228 T5 C	2 × F28W T5	0.28	>0.97	2	23.0
49224	IND 8631 228 T5 A	2 × F28W T5	0.28	>0.97	2	21.8

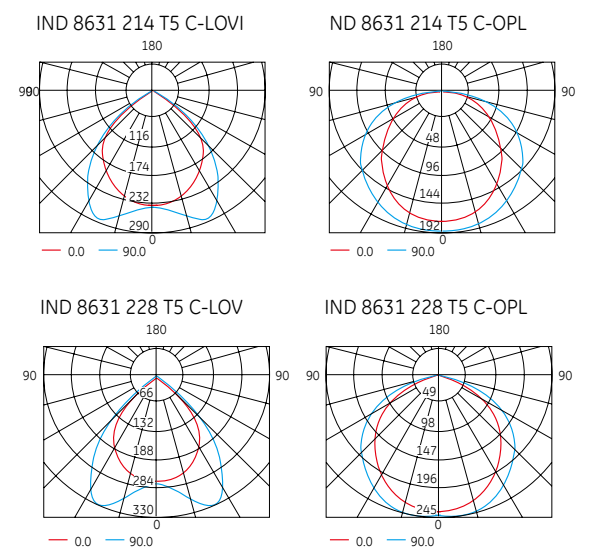
\* Lamps are not included.

## T5 Semi-indirect Series

### Specification Features

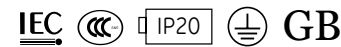
- Housing: 0.6mm steel plate with anti-UV powder coating treatment
- Reflectors: frosted finish with anti-UV treatment
- Louvers: 0.4mm high purity aluminium, anodized treated
- Specific louver design for glare control
- High transparent acrylic lens for better lighting output
- Semi-indirect lighting: softer lighting for pleasing
- Easy installation and maintenance
- GE electronic ballast and T5 linear fluorescent lamps used
- Place of origin: China

### Photometric Data



### Electric Standards & Safety

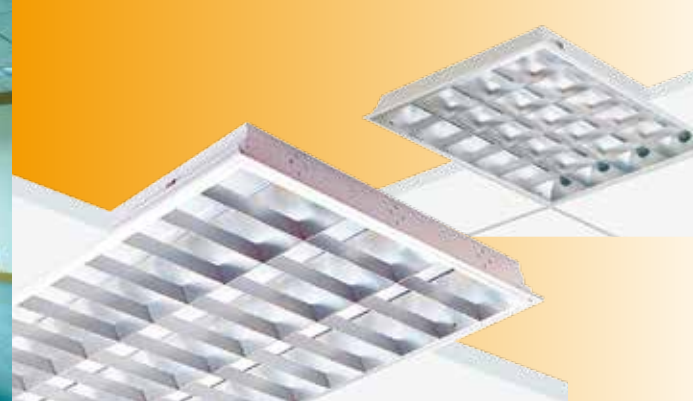
CCC Certificated, GB7000, 12-1999, IEC60598, IP20, Class I



### Ordering Description

SKU	Source	Current (A)	Power Factor	Package (pcs)	Package Weight (kg)
AF40196	2 × F14 T5	0.15	>0.97	2	13.1
AF40197	2 × F28 T5	0.28	>0.97	2	24.6
AF40198	2 × F14 T5	0.15	>0.97	2	12.3
AF40199	2 × F28 T5	0.28	>0.97	2	22.8

\* Lamps are not included.



## T5 LOV Pro

### Specification Features

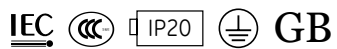
- Housing uses cold roll steel with electrostatic powder coating
- High purity aluminium reflector with louver, provides great optical performance
- Gear box: adopt GE ELB, PF>0.97. GE ballast and fixture ensures the best systematic performance
- Installation: suitable for all popular kinds of bar installation, improves installation efficiency
- Lamp: recommend for GE starcoat T5
- Place of origin: China

### Applications

- Offices, conference rooms, schools, other indoor areas

### Electric Standards & Safety

CCC Certified, GB7000, 12-1999, IEC60598, IP20, Class I



### Order Logic

ELOV	8632	214 T5	R	M
Type	Serial Number	Light Source	Lamp Aligument	Reflector
ELOV=Direct Luminaire, Pro	8632=Direct Luminaire, Double Parabolic	214 T5=2pcs T5 14W Lamps	R=Recessed	F=Frosted Reflector
ELOV C=Direct Luminaire, Express	8633=Direct Luminaire, Single Parabolic	314 T5=3pcs T5 14W Lamps		M=Mirror Reflector

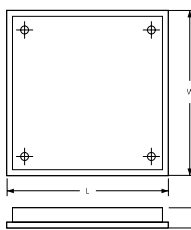
### Ordering Description

SKU	SKU Description	SKU	SKU Description	SKU	SKU Description	SKU	SKU Description
AF40611	ELOV 8632 214 T5 R M	AF40622	ELOV 8632 214 T5 R M	AF40633	ELOV C 8633 214 T5 R M	AF40644	ELOV C 8633 214 T5 R M
AF40612	ELOV 8632 214 T5 R F	AF40623	ELOV 8632 214 T5 R F	AF40634	ELOV C 8633 214 T5 R F	AF40645	ELOV C 8633 214 T5 R F
AF40613	ELOV 8632 314 T5 R M	AF40624	ELOV 8632 314 T5 R M	AF40635	ELOV C 8633 314 T5 R M	AF40646	ELOV C 8633 314 T5 R M
AF40614	ELOV 8632 314 T5 R F	AF40625	ELOV 8632 314 T5 R F	AF40636	ELOV C 8633 314 T5 R F	AF40647	ELOV C 8633 314 T5 R F
AF40615	ELOV 8632 414 T5 R M	AF40626	ELOV 8632 414 T5 R M	AF40637	ELOV C 8633 414 T5 R M	AF40648	ELOV C 8633 414 T5 R M
AF40616	ELOV 8632 414 T5 R F	AF40627	ELOV 8632 414 T5 R F	AF40638	ELOV C 8633 414 T5 R F	AF40649	ELOV C 8633 414 T5 R F
AF40617	ELOV 8632 228 T5 R M	AF40628	ELOV 8632 228 T5 R M	AF40639	ELOV C 8633 228 T5 R M	AF40650	ELOV C 8633 228 T5 R M
AF40618	ELOV 8632 228 T5 R F	AF40629	ELOV 8632 228 T5 R F	AF40640	ELOV C 8633 228 T5 R F	AF40651	ELOV C 8633 228 T5 R F
AF40619	ELOV 8632 328 T5 R M	AF40630	ELOV 8632 328 T5 R M	AF40641	ELOV C 8633 328 T5 R M	AF40652	ELOV C 8633 328 T5 R M
AF40620	ELOV 8632 328 T5 R F	AF40631	ELOV 8632 328 T5 R F	AF40642	ELOV C 8633 328 T5 R F	AF40653	ELOV C 8633 328 T5 R F

\* Lamps are not included.

### Dimensions

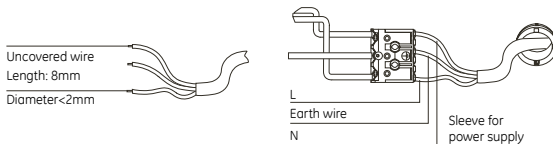
Unit: mm



#### Direct series

	L	W	H
2 × 14W	597	297	51
3 × 14W	597	597	51
4 × 14W	597	597	51
2 × 28W	1197	297	51
3 × 28W	1197	597	51

### Installation



- Dismantle the reflector: press the installation spring gently, take out the reflector, undraw the grounded cord and nylon rope, thus the reflector can disengage the housing
- Install the housing into the obligate hole of the ceiling
- Connect the power cord: make the power cord drill through the power supply hole, then link the power cord with the terminal (see the picture)
- Install the fluorescent tube: insert the tube into the lamp base, and then circumgyrate 90 degree, make sure that the tube not loose
- Install the reflector: connect the nylon rope to the housing, insert the grounded cord well, fix the reflector softly, insure that the installation spring lock with reflector well

## T8 LOV

### Specification Features

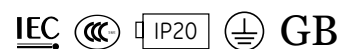
- Housing: 0.6mm cold roll steel with electrostatic powder coating; unique design provides a firm structure
- Optics: high purity anodized aluminium reflector with unique single or double parabolic louver designs, provides excellent photometric control and optimal lighting output
- Mirror or frosted finished reflectors or acrylic diffuser for options
- Gear Box: high efficiency GE magnetic or electronic ballasts, work with GE T8 fluorescent lamps
- Place of origin: China

### Applications

- Open office areas
- Conference rooms, shopping malls
- Hotels & Restaurants
- Low glare required areas, e.g. PC monitors
- Other public indoor areas

### Electric Standards & Safety

CCC Certified, GB7000, 12-1999, IEC60598, IP20, Class I

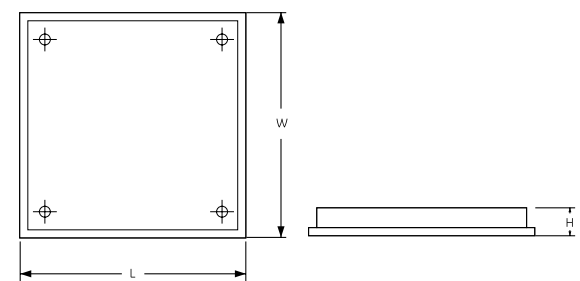


### Order Logic

LOV	8601	318	H	M
Type	Serial Number	Light Source	Ballast	Reflector
LOV=Standard	8601=Single Parabolic Reflector	318=3 × 18W T8 Fluorescent Lamps	L=Magnetic Ballast without Capacitor	F=Frosted Finish Reflector
	8602=Double Parabolic Reflector	236=2 × 36W T8 Fluorescent Lamps	H=Magnetic Ballast with Capacitor	M=Mirror Finish Reflector
		336=3 × 36W T8 Fluorescent Lamps		OPL=Acrylic Diffuser
	8603=Acrylic	334=3 × 34W Biax Tube	EB=Electronic Ballast	

### Dimensions

Unit: mm



	L	W	H
3 × 18W	597	597	85
4 × 18W	597	597	85
2 × 36W	1197	297	85
3 × 36W	1197	597	85

### Installation

Suitable for T-Bar installation, recessed mounting with safety chain holes on the back.





## T8 LOV 8601 Single Parabolic

### Specification Features

- Scientific designed parabolic and V shape aluminium louver, guarantee a high lighting output. Providing a unique single parabolic reflector, ensure a wide lighting coverage homogeneity. Glare control for visual comforts
- Place of origin: China

### Applications

High lighting output required places, e.g. office, shopping malls and other public areas

### Ordering Description

#### Frosted

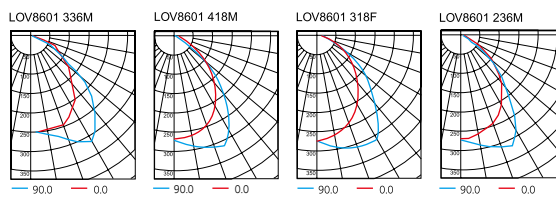
SKU	SKU Description	Lamp	Current (A)	Power Factor	Package (pcs)	Package Weight (kg)
49362	LOV 8601 318 H F	3 × F18 T8	0.36	≥0.90	2	13.5
49364	LOV 8601 418 H F	4 × F18 T8	0.43	≥0.90	2	14.5
49366	LOV 8601 236 H F	2 × F36 T8	0.43	≥0.90	2	11.5
49368	LOV 8601 336 H F	3 × F36 T8	0.59	≥0.90	2	21
49370	LOV 8601 318 L F	3 × F18 T8	0.73	≥0.47	2	13.5
49372	LOV 8601 418 L F	4 × F18 T8	0.84	≥0.51	2	14.5
49374	LOV 8601 236 L F	2 × F36 T8	0.84	≥0.51	2	11.5
49376	LOV 8601 336 L F	3 × F36 T8	1.20	≥0.47	2	21
49378	LOV 8601 318 EB F	3 × F18 T8	0.29	≥0.97	2	12.5
49380	LOV 8601 418 EB F	4 × F18 T8	0.36	≥0.97	2	13.5
49382	LOV 8601 236 EB F	2 × F36 T8	0.35	≥0.97	2	12
49445	LOV 8601 336 EB F	3 × F36 T8	0.57	≥0.97	2	20

#### Mirror

49363	LOV 8601 318 H M	3 × F18 T8	0.36	≥0.90	2	13.5
49365	LOV 8601 418 H M	4 × F18 T8	0.43	≥0.90	2	14.5
49367	LOV 8601 236 H M	2 × F36 T8	0.43	≥0.90	2	11.5
49369	LOV 8601 336 H M	3 × F36 T8	0.59	≥0.90	2	21
49371	LOV 8601 318 L M	3 × F18 T8	0.73	≥0.47	2	13.5
49373	LOV 8601 418 L M	4 × F18 T8	0.84	≥0.51	2	14.5
49375	LOV 8601 236 L M	2 × F36 T8	0.84	≥0.51	2	11.5
49377	LOV 8601 336 L M	3 × F36 T8	1.20	≥0.47	2	21
49379	LOV 8601 318 EB M	3 × F18 T8	0.29	≥0.97	2	12.5
49381	LOV 8601 418 EB M	4 × F18 T8	0.36	≥0.97	2	13.5
49383	LOV 8601 236 EB M	2 × F36 T8	0.35	≥0.97	2	12
49446	LOV 8601 336 EB M	3 × F36 T8	0.57	≥0.97	2	20

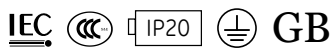
\* Lamps are not included.

### Photometric Data



### Electric Standards & Safety

CCC Certificated, GB7000, 12-1999, IEC60598, IP20, Class I



## T8 LOV 8602 Double Parabolic

### Specification Features

- Scientific designed parabolic and V shape aluminium louver, guarantee a high lighting output. Providing a unique double parabolic reflector design, preventing glares on PC monitors through precise light control
- Place of origin: China

### Applications

Suitable for areas with high standard glare control or PC monitors

### Ordering Description

#### Frosted

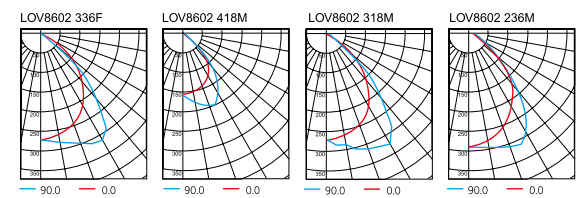
SKU	SKU Description	Lamp	Current (A)	Power Factor	Package (pcs)	Package Weight (kg)
49447	LOV 8602 318 H F	3 × F18 T8	0.36	≥0.90	2	13.5
49449	LOV 8602 418 H F	4 × F18 T8	0.43	≥0.90	2	14.5
49451	LOV 8602 236 H F	2 × F36 T8	0.43	≥0.90	2	11.5
49453	LOV 8602 336 H F	3 × F36 T8	0.59	≥0.90	2	21
49455	LOV 8602 318 L F	3 × F18 T8	0.73	≥0.47	2	13.5
49457	LOV 8602 418 L F	4 × F18 T8	0.84	≥0.51	2	14.5
49459	LOV 8602 236 L F	2 × F36 T8	0.84	≥0.51	2	11.5
49461	LOV 8602 336 L F	3 × F36 T8	1.20	≥0.47	2	21
49463	LOV 8602 318 EB F	3 × F18 T8	0.29	≥0.97	2	12.5
49465	LOV 8602 418 EB F	4 × F18 T8	0.36	≥0.97	2	13.5
49428	LOV 8602 236 EB F	2 × F36 T8	0.35	≥0.97	2	12
49430	LOV 8602 336 EB F	3 × F36 T8	0.57	≥0.97	2	20

#### Mirror

49448	LOV 8602 318 H M	3 × F18 T8	0.36	≥0.90	2	13.5
49450	LOV 8602 418 H M	4 × F18 T8	0.43	≥0.90	2	14.5
49452	LOV 8602 236 H M	2 × F36 T8	0.43	≥0.90	2	11.5
49454	LOV 8602 336 H M	3 × F36 T8	0.59	≥0.90	2	21
49456	LOV 8602 318 L M	3 × F18 T8	0.73	≥0.47	2	13.5
49458	LOV 8602 418 L M	4 × F18 T8	0.84	≥0.51	2	14.5
49460	LOV 8602 236 L M	2 × F36 T8	0.84	≥0.51	2	11.5
49462	LOV 8602 336 L M	3 × F36 T8	1.20	≥0.47	2	21
49464	LOV 8602 318 EB M	3 × F18 T8	0.29	≥0.97	2	12.5
49427	LOV 8602 418 EB M	4 × F18 T8	0.36	≥0.97	2	13.5
49429	LOV 8602 236 EB M	2 × F36 T8	0.35	≥0.97	2	12
49431	LOV 8602 336 EB M	3 × F36 T8	0.57	≥0.97	2	20

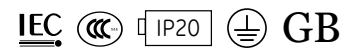
\* Lamps are not included.

### Photometric Data



### Electric Standards & Safety

CCC Certificated, GB7000, 12-1999, IEC60598, IP20, Class I





## T8 LOV 8603 Diffused

### Specification Features

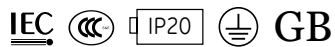
- High quality acrylic diffuser aluminium reflectors, providing soft and high lighting output. No glares for comfortable vision. Use anti-UV long life cycle material for acrylic lens
- Place of origin: China

### Applications

Fit for schools, hospitals and clean rooms of electronics and pharmaceuticals applications

### Electric Standards & Safety

CCC Certified, GB7000, 12-1999, IEC60598, IP20, Class I

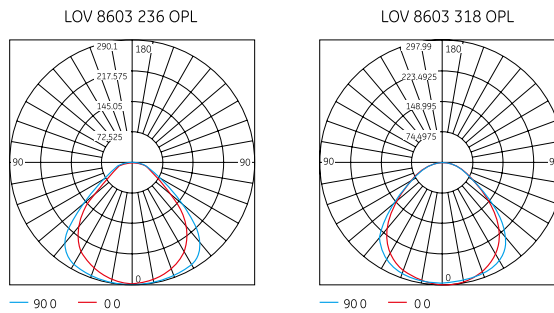


### Ordering Description

SKU	SKU Description	Lamp	Current (A)	Power Factor	Package (pcs)	Package Weight (kg)
49443	LOV 8603 318 L OPL	3 × F18 T8	0.73	>=0.47	2	15
49386	LOV 8603 418 L OPL	4 × F18 T8	0.84	>=0.51	2	14.3
49387	LOV 8603 236 L OPL	2 × F36 T8	0.84	>=0.51	2	14.3
49388	LOV 8603 336 L OPL	3 × F36 T8	1.20	>=0.47	2	25.7
49389	LOV 8603 318 H OPL	3 × F18 T8	0.36	>=0.90	2	15.1
49390	LOV 8603 418 H OPL	4 × F18 T8	0.43	>=0.90	2	14.4
49391	LOV 8603 236 H OPL	2 × F36 T8	0.43	>=0.90	2	14.4
49392	LOV 8603 336 H OPL	3 × F36 T8	0.59	>=0.90	2	25.8
49393	LOV 8603 318 EB OPL	3 × F18 T8	0.29	>=0.97	2	14.5
49394	LOV 8603 418 EB OPL	4 × F18 T8	0.36	>=0.97	2	14.3
49440	LOV 8603 236 EB OPL	2 × F36 T8	0.35	>=0.97	2	13.7
49432	LOV 8603 336 EB OPL	3 × F36 T8	0.57	>=0.97	2	24.5

\* Lamps are not included.

### Photometric Data



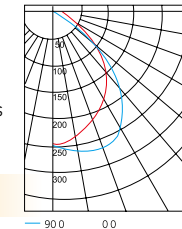
## T8 LOV Pro

### Specification Features

- Housing: 0.5mm cold roll steel with electrostatic powder coating; unique design provides a firm structure
- Optics: High purity anodized aluminium reflector with unique single parabolic louver designs, provides excellent photometric control and good lighting output. Frosted finish provides high level glare control for comfort vision
- Easy installation with no need of tools
- Place of origin: China

### Applications

- Open office areas
- Conference rooms, shopping malls
- Hotels & Restaurants
- Low glare required areas, e.g. PC monitors
- Other public areas



### Photometric Data

### Order Logic

LOV	8601	318	H	F
Type	Serial Number	Light Source	Ballast	Reflector
ELOV=Professional	8601=Single Parabolic Reflector	318=3 × 18W T8 Fluorescent Lamps 418=4 × 18W T8 Fluorescent Lamps 236=2 × 36W T8 Fluorescent Lamps 336=3 × 36W T8 Fluorescent Lamps	L=Magnetic Ballast without Capacitor H=Magnetic Ballast with Capacitor EB=Electronic Ballast	F=Frosted Finish Reflector

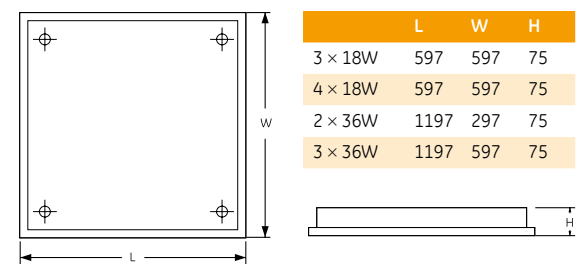
### Ordering Description

SKU	SKU Description	Lamp	Current (A)	Power Factor	Package (pcs)	Package Weight (kg)
18372	ELOV 8601 318 L F	3 × F18 T8	0.73	>=0.47	2	9.6
18374	ELOV 8601 418 L F	4 × F18 T8	0.84	>=0.51	2	9.8
18377	ELOV 8601 236 L F	2 × F36 T8	0.84	>=0.51	2	10.4
18379	ELOV 8601 336 L F	3 × F36 T8	1.20	>=0.47	2	16.8
18384	ELOV 8601 318 EB F	3 × F18 T8	0.27	>=0.97	2	7.8
18395	ELOV 8601 418 EB F	4 × F18 T8	0.34	>=0.97	2	8.1
18398	ELOV 8601 236 EB F	2 × F36 T8	0.34	>=0.97	2	8.4
18403	ELOV 8601 336 EB F	3 × F36 T8	0.53	>=0.97	2	15.1
18732	ELOV 8601 318 H F	3 × F18 T8	0.40	>=0.90	2	9.7
18734	ELOV 8601 418 H F	4 × F18 T8	0.50	>=0.90	2	9.9
18737	ELOV 8601 236 H F	2 × F36 T8	0.50	>=0.90	2	10.5
18738	ELOV 8601 336 H F	3 × F36 T8	0.80	>=0.90	2	16.9

\* Lamps are not included.

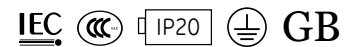
### Dimensions

Unit: mm



### Electric Standards & Safety

CCC Certified, GB7000, 12-1999, IEC60598, IP20, Class I



### Installation

Suitable for T-Bar installation, recessed mounting with safety chain holes on the back



## T5 BAT

### Specification Features

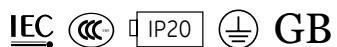
- High quality powder coated finish and rust-resistance process for durability and safety
- Luminaires may be installed flush to ceiling or pendant mounted
- GE electronic ballast (power factor 0.98) is pre-wired inside the luminaires
- Streamline housing helps create more comfortable lighting
- Longer average lamp life with lower lumen depreciation, increased system efficiency (when used with GE Starcoat T5 lamp)
- Body: 0.6mm thickness steel, with white power coated finish
- Lampholder: polycarbonate, white finish
- Lamp: GE Starcoat T5 lamp, average lumen 104lm/W, 30,000 hours average life (not included in the luminaires)
- Place of origin: China

### Applications

- Factories
- Corridors
- Supermarkets
- Restaurants
- Schools, hospitals
- Underground parking lots
- Warehouse and other public areas

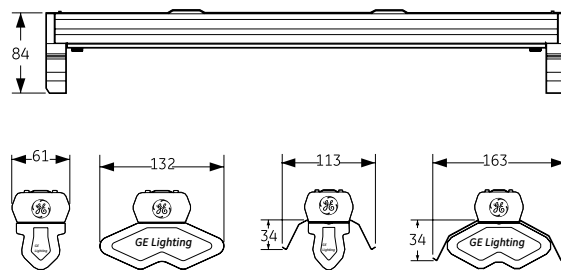
### Electric Standards & Safety

Designed and manufactured to GB GB 7000.202-2008, IEC60598 Class I; IP20; 220V-240V; 50/60Hz; CCC Certificated



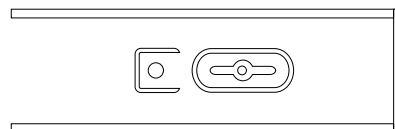
### Dimensions

Unit: mm

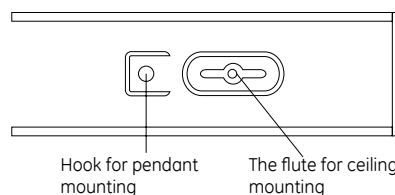
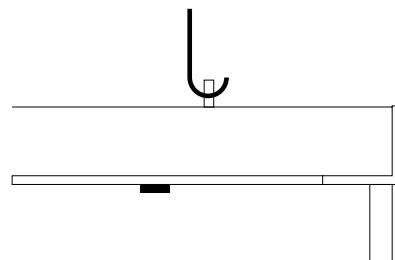


### Installation

#### Ceiling mounting



#### Hook pendant mount



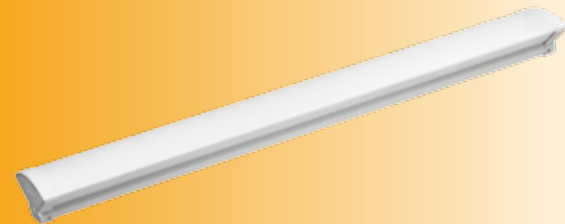
### Ordering Description

SKU	SKU Description	Ballast	Qty	Length (mm)	Power Factor	Screw Distance for Ceiling Mounting (mm)	Hole Distance for Hook Installing (mm)	Package (pcs)
AF60276	BAT 8612 114 T5	ELB114E	1	589	0.98	428	472	9
AF60277	BAT 8612 214 T5	ELB214E	1	589	0.98	428	472	9
AF60278	BAT 8612 121 T5	ELB121E	1	889	0.98	728	772	9
AF60279	BAT 8612 221 T5	ELB121E	2					
AF60280	BAT 8612 128 T5	ELB128E	1	1189	0.98	922	972	9
AF60281	BAT 8612 228 T5	ELB228E	1	1189	0.98	922	972	9
AF60284	BAT 8612 114 T5	ELB114S	1	589	0.98	428	472	9
AF60285	BAT 8612 214 T5	ELB214S	1	589	0.98	428	472	9
AF60286	BAT 8612 121 T5	ELB121S	1	889	0.98	728	772	9
AF60289	BAT 8612 221 T5	ELB121S	1					
AF60287	BAT 8612 128 T5	ELB128S	1	1189	0.98	922	972	9
AF60288	BAT 8612 228 T5	ELB228S	1	1189	0.98	922	972	9
AF60290	BAT 8612 135 T5	ELB135S	1					
AF60291	BAT 8612 235 T5	ELB235S	1					
AF60292	BAT 8612 154 T5	ELB154S	1	1189	0.98	922	972	9
AF60293	BAT 8612 254 T5	ELB254/258S	1	1189	0.98	922	972	9

\* Lamps are not included.

### Reflector

SKU	SKU Description
AF60253	WIN 8612 114
AF60254	WIN 8612 214
AF60255	WIN 8612 121
AF60256	WIN 8612 221
AF60257	WIN 8612 128
AF60258	WIN 8612 228



## T5 diffused batten

### Specification Features

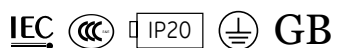
- 20% energy saving comparing to T8 fixture
- Instant starting / No flickering
- High quality powder coated finish and rust-resistance process for durability and safety
- Diffuser: clear polycarbonate, injection-moulded and UV stabilized to providing soft and even light distribution
- Smooth exterior surface for easy cleaning
- Pre-wired with GE Electronic Ballast
- 2 mounting method, can be surface mount or chain mount
- Place of origin: China

### Applications

- Corridors
- Supermarkets
- Restaurants
- Schools, hospitals, household
- Underground parking lots
- Warehouse, workshop

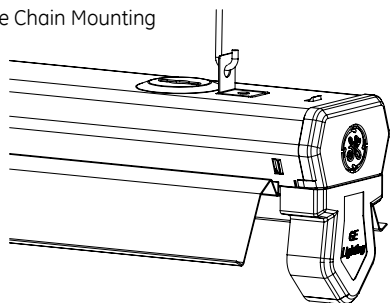
### Electric Standards & Safety

220-240V~/50/60Hz, Power factor 0.96, Designed and manufactured to IEC60598



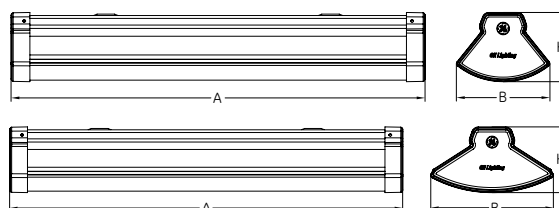
### Installation

Flexible Chain Mounting



### Dimensions

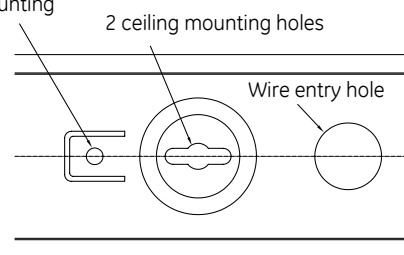
Unit: mm



SKU	A (mm)	B (mm)	H (mm)
AF60035	595	134	99
AF60036	595	176	99
AF60039	895	134	99
AF60040	895	176	99
AF60037	1195	134	99
AF60038	1195	176	99

SKU	A (mm)	B (mm)	H (mm)
AF60635	595	134	99
AF60636	595	176	99
AF60637	895	134	99
AF60638	895	176	99
AF60639	1195	134	99
AF60640	1195	176	99

2 holes for flexible chain mounting



2 ceiling mounting holes

Wire entry hole

### Ordering Description

SKU	SKU Description	Recommended Lamp and Watt	Supply Current	Size (AxBxH)mm	Packaging
AF60035	DBAT114 EB	GE T5 LFL 1x14W	0.07A	595x134x99	white box
AF60036	DBAT214 EB	GE T5 LFL 2x14W	0.14A	595x176x99	white box
AF60039	DBAT121 EB	GE T5 LFL 1x21W	0.10A	895x134x99	white box
AF60040	DBAT221 EB	GE T5 LFL 2x21W	0.20A	895x176x99	white box
AF60037	DBAT128 EB	GE T5 LFL 1x28W	0.14A	1195x134x99	white box
AF60038	DBAT228 EB	GE T5 LFL 2x28W	0.28A	1195x176x99	white box

\* Lamps are not included.

SKU	SKU Description	Recommended Lamp and Watt	Supply Current	Size (AxBxH)mm	Packaging
AF60635	DBAT114 EB	GE T5 LFL 1x14W	0.07A	595x134x99	color box
AF60636	DBAT214 EB	GE T5 LFL 2x14W	0.14A	595x176x99	color box
AF60637	DBAT121 EB	GE T5 LFL 1x21W	0.10A	895x134x99	color box
AF60638	DBAT221 EB	GE T5 LFL 2x21W	0.20A	895x176x99	color box
AF60639	DBAT128 EB	GE T5 LFL 1x28W	0.14A	1195x134x99	color box
AF60640	DBAT228 EB	GE T5 LFL 2x28W	0.28A	1195x176x99	color box

\* Lamps are not included.



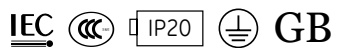
## T5 EBAT

### Specification Features

- Uses high quality cold roll steel panel for fixture housing
- Two-sides or one-side reflector as optional
- Can be fit with 14w, 21w, 28w, 35w linear fluorescent lamps, one or two tubes options available
- Two types of packaging designs, industrial or retail packaging to fit for different customer needs
- Flexible mounting method optional, can be pole mounting, chain mounting, or ceiling mounting
- Place of origin: China

### Electric Standards & Safety

Designed and manufactured to GB GB 7000.12-1999, IEC60598 Class I; IP20; CCC Certificated



### Order Logic

SERIES	LAMP TYPE	LAMP QTY	POWER	REFLECTOR	PACKAGE
EBAT	T5	1= 1	14=14W	N= No reflector	S= Retail
		2= 2	28=28W	H= 1 side reflector	I= Industrial
			21=21W	W= 2 sides reflector	
			35=35W		

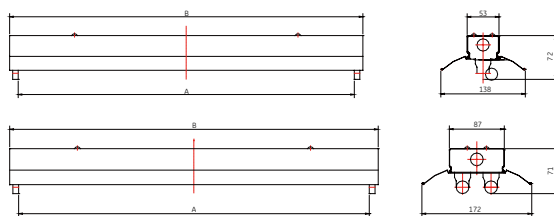
### Ordering Description

SKU	SKU Description	SKU	SKU Description	SKU	SKU Description	SKU	SKU Description
AF60501	EBAT T5 114NS	AF60516	EBAT T5 121HI	AF60531	EBAT T5 228NS	AF60546	EBAT T5 235HI
AF60502	EBAT T5 114NI	AF60517	EBAT T5 121WS	AF60532	EBAT T5 228NI	AF60547	EBAT T5 235WS
AF60503	EBAT T5 114HS	AF60518	EBAT T5 121WI	AF60533	EBAT T5 228HS	AF60548	EBAT T5 235WI
AF60504	EBAT T5 114HI	AF60519	EBAT T5 221NS	AF60534	EBAT T5 228HI		
AF60505	EBAT T5 114WS	AF60520	EBAT T5 221NI	AF60535	EBAT T5 228WS		
AF60506	EBAT T5 114WI	AF60521	EBAT T5 221HS	AF60536	EBAT T5 228WI		
AF60507	EBAT T5 214NS	AF60522	EBAT T5 221HI	AF60537	EBAT T5 135NS		
AF60508	EBAT T5 214NI	AF60523	EBAT T5 221WS	AF60538	EBAT T5 135NI		
AF60509	EBAT T5 214HS	AF60524	EBAT T5 221WI	AF60539	EBAT T5 135HS		
AF60510	EBAT T5 214HI	AF60525	EBAT T5 128NS	AF60540	EBAT T5 135HI		
AF60511	EBAT T5 214WS	AF60526	EBAT T5 128NI	AF60541	EBAT T5 135WS		
AF60512	EBAT T5 214WI	AF60527	EBAT T5 128HS	AF60542	EBAT T5 135WI		
AF60513	EBAT T5 121NS	AF60528	EBAT T5 128HI	AF60543	EBAT T5 135 NS		
AF60514	EBAT T5 121NI	AF60529	EBAT T5 128WS	AF60544	EBAT T5 235NI		
AF60515	EBAT T5 121HS	AF60530	EBAT T5 128WI	AF60545	EBAT T5 235HS		

\* Lamps are not included.

### Dimensions

Unit: mm



TYPE	A (mm)	B (mm)
114	549	578
121	849	878
128	1149	1178
135	1449	1478
214	549	578
221	849	878
228	1149	1178
235	1449	1478

## Display Downlight

### Specification Features

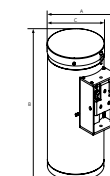
- Aluminum fixture housing, compact design
- Fit with 35-150W CMH lamp, or 18-42W CFL
- Three mounting method: wall mount, ceiling mount, angel adjustable
- Two options for light distribution
- Water proof, IP20-65
- High efficiency fixture, energy saving
- Place of origin: China

### Applications

- Airport, station
- Lobby
- High ceiling
- With IP rating requirement

### Electric Standards & Safety

CCC Certificated, GB7000, 12-1999, IEC60598, IP65



SKU	A: Width (mm)	B: Height (mm)	C: DiameterØ (mm)
Installation: Wall			
AF41390	230	313	180
AF41391	230	313	180
AF41392	230	313	180
AF41393	230	313	180
AF41394	230	313	180
AF41395	230	313	180
AF41387	230	313	180

### Dimensions

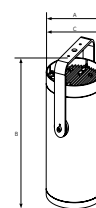
Unit: mm



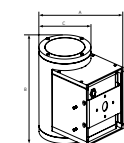
SKU	A: Width (mm)	B: Height (mm)	C: DiameterØ (mm)
Installation: Ceiling			
AF41399	180	313	180
AF41400	180	313	180
AF41401	180	313	180
AF41402	180	313	180
AF41403	180	313	180
AF41388	180	313	180



SKU	A: Width (mm)	B: Height (mm)	C: DiameterØ (mm)
Installation: Bracket			
AF41404	180	368	180
AF41405	180	368	180
AF41406	180	368	180
AF41407	180	368	180
AF41408	180	368	180
AF41409	180	368	180
AF41389	180	368	180



SKU	A: Width (mm)	B: Height (mm)	C: DiameterØ (mm)
Installation: Wall			
AF41396	280	230	180
AF41397	280	230	180
AF41398	280	230	180



## Order Logic

DISPW	8	S= Single direction	135	MHT	MBH	Color
Type	Code	Light direction	Power	Lamp	Ballast	
NDPW= Wall	8=220V/50Hz	S= Single direction	135=1x35W	MH	M=EM ballast	Default (Grey)
NDPC= Ceiling		D= Double	170=1x70W	CFL	E=EB ballast	
NDPB= Adjustable			115=1x150W			
			118=1x18W			
			126=1x26W			
			132=1x32W			
			142=1x42W			

## Ordering Description

SKU	SKU Description	Power (W)	Gear Installation	Gear/Light direction	Lamp	IP rating	Weight (kg)	Recommended GE Lamp
Installation: Wall								
AF41390	NDPW 8 S 135 MHT M	35	Single Housing	Down	G12 CMH	IP65	4.8	CMH35/T/UVC/U(O.5A)
AF41391	NDPW 8 S 170 MHT M	70	Single Housing	Down	G12 CMH	IP65	5	CMH70/T/UVC/U(O.98A)
AF41392	NDPW 8 S 115 MHT M	150	Single Housing	Down	G12 CMH	IP20	5.8	CMH150/T/UVC/U(1.8A)
AF41393	NDPW 8 S 118 CFL E	18	Single Housing	Down	G24q-2 CFL	IP65	3.7	F18DBX/4P
AF41394	NDPW 8 S 126 CFL E	26	Single Housing	Down	G24q-3 CFL	IP65	3.7	F26DBX/4P
AF41395	NDPW 8 S 132 CFL E	32	Single Housing	Down	G24q-3 CFL	IP65	3.7	F32TBX/4P
AF41387	NDPW 8 S 142 CFL E	42	Single Housing	Down	G24q-4 CFL	IP65	3.7	F42TBX/4P
AF41396	NDPW 8 D 135 MHT M	35	Separate Housing	Up&down	G12 CMH	IP65	5.8	CMH35/T/UVC/U(O.5A)
AF41397	NDPW 8 D 170 MHT M	70	Separate Housing	Up&down	G12 CMH	IP65	6	CMH70/T/UVC/U(O.98A)
AF41398	NDPW 8 D 115 MHT M	150	Separate Housing	Up&down	G12 CMH	IP65	6.8	CMH150/T/UVC/U(1.8A)
Installation: Ceiling								
AF41399	NDPC 8 S 135 MHT M	35	Single Housing	Down	G12 CMH	IP65	4.3	CMH35/T/UVC/U(O.5A)
AF41400	NDPC 8 S 170 MHT M	70	Single Housing	Down	G12 CMH	IP65	4.6	CMH70/T/UVC/U(O.98A)
AF41401	NDPC 8 S 118 CFL E	18	Single Housing	Down	G24q-2 CFL	IP65	3.2	F18DBX/4P
AF41402	NDPC 8 S 126 CFL E	26	Single Housing	Down	G24q-3 CFL	IP65	3.2	F26DBX/4P
AF41403	NDPC 8 S 132 CFL E	32	Single Housing	Down	G24q-3 CFL	IP65	3.2	F32TBX/4P
AF41388	NDPC 8 S 142 CFL E	42	Single Housing	Down	G24q-4 CFL	IP65	3.2	F42TBX/4P
Installation: Bracket								
AF41404	NDPB 8 S 135 MHT M	35	Single Housing	Down	G12 CMH	IP65	4.5	CMH35/T/UVC/U(O.5A)
AF41405	NDPB 8 S 170 MHT M	70	Single Housing	Down	G12 CMH	IP65	4.8	CMH70/T/UVC/U(O.98A)
AF41406	NDPB 8 S 115 MHT M	150	Single Housing	Down	G12 CMH	IP20	5.5	CMH150/T/UVC/U(1.8A)
AF41407	NDPB 8 S 118 CFL E	18	Single Housing	Down	G24q-2 CFL	IP65	3.5	F18DBX/4P
AF41408	NDPB 8 S 126 CFL E	26	Single Housing	Down	G24q-3 CFL	IP65	3.5	F26DBX/4P
AF41409	NDPB 8 S 132 CFL E	32	Single Housing	Down	G24q-3 CFL	IP65	3.5	F32TBX/4P
AF41389	NDPB 8 S 142 CFL E	42	Single Housing	Down	G24q-4 CFL	IP65	3.5	F42TBX/4P

\* Lamps are not included.



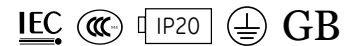
## Standard Downlight

### Specification Features

- Lamp: can fit with GE compact fluorescent lamps, ceramic metal halide lamps or Par lamps
- Ballast options for magnetic ballast, or electronic ballast available
- GearBox: aluminium extrusion procedure, with GE unique radiating fin design, to ensure stable environment for ballast and lamp
- reflector: 99.99% purity aluminum material, with unique glare control design
- Glass cover as optional parts
- Place of origin: China

### Electric Standards & Safety

CCC Certificated, Conform with IEC60598 standard, IP20, class I



### Order Logic

FOH	213	H	GL
Type	Lamp	Ballast	Options
Standard	113 = 1x13W CFL	H = magnetic ballast	GL: with glass cover
FOV 8621 = vertical	213 = 2x13W CFL	EB = electronic ballast	AIM : angle adjustable
FOH 8621 = horizontal	MHT = single end metal halide lamp		
	MHTD = double end metal halide lamp		
	PAR20 = PAR20 CMH		
	PAR30 = PAR30 CMH		
	PAR38 = PAR38 halogen		



## PAR

### Applications

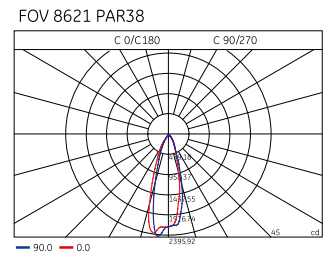
- Exhibition center, gallery and commercial building

### Electric Standards & Safety

CCC Certified, Conform with IEC60598 standard, IP20, class I

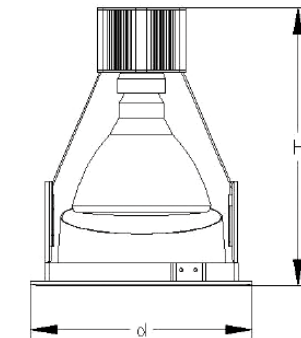


### Photometric Data



### Dimensions

Unit: mm



### Ordering Description

SKU	SKU Description	Type	Recommended Lamp	Voltage	Frequency	Hole Diameter Ø (mm)	Housing diameter D (mm)	Height H (mm)	GearBox size LxWxH(mm)
CMH PAR									
AF41343	FOV 8621 PAR 20	Vertical	CMH PAR20 35W	220V~	50Hz	160~162	175	165	258x110x86
AF41344	FOV 8621 PAR 30	Vertical	CMH PAR30 70W	220V~	50Hz	160~162	175	205	258x110x86
AF41345	FOV 8621 PAR 20 AIM	Vertical	CMH PAR20 35W	220V~	50Hz	160~162	175	165	258x110x86
AF41346	FOV 8621 PAR 30 AIM	Vertical	CMH PAR30 70W	220V~	50Hz	160~162	175	205	258x110x86
Par38 Halogen									
AF41347	FOV 8621 PAR 38	Vertical	Par38 Halogen	220V~	50Hz	178~180	193	243	
AF41348	FOV 8621 PAR 38 AIM	Vertical	Par38 Halogen	220V~	50Hz	178~180	193	243	

\* Lamps are not included.

## CMH

### Applications

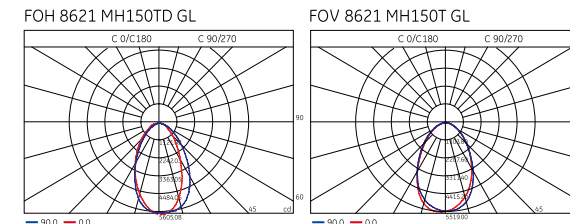
- Exhibition center, gallery, and commercial building

### Electric Standards & Safety

CCC Certified, Conform with IEC60598 standard, IP20, class I

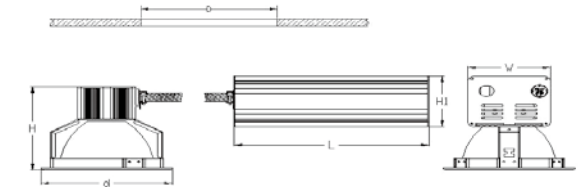


### Photometric Data



### Dimensions

Unit: mm



### Ordering Description

SKU	KU Description	Type	Recommended Lamp	Voltage	Frequency	Hole Diameter Ø (mm)	Housing diameter D (mm)	Height H (mm)	GearBox size LxWxH(mm)
CMH lamp									
AF41338	FOV 8621 MH 35 T GL	Vertical	G12 CMH 35W	220V~	50Hz	160~162	175	140	258x110x86
AF41339	FOV 8621 MH 70 T GL	Vertical	G12 CMH 70W	220V~	50Hz	178~180	193	153	258x110x86
AF41340	FOV 8621 MH 150 T GL	Vertical	G12 CMH 150W	220V~	50Hz	214~216	229	151	258x110x86
AF41341	FOH 8621 MH 70 TD GL	Horizontal	RX7s CMH 70W	220V~	50Hz	178~180	193	159	258x110x86
AF41342	FOH 8621 MH 150 TD GL	Horizontal	RX7s CMH 150W	220V~	50Hz	214~216	229	159	258x110x86

\* Lamps are not included.



# Plug-in CFL

## Applications

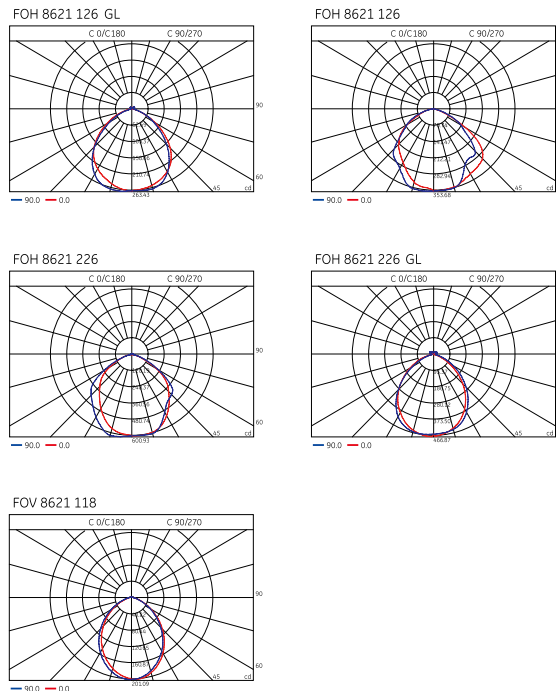
- Offices, restaurant, stores, and other public open areas

## Electric Standards & Safety

CCC Certificated, Conform with IEC60598 standard, IP20, class I

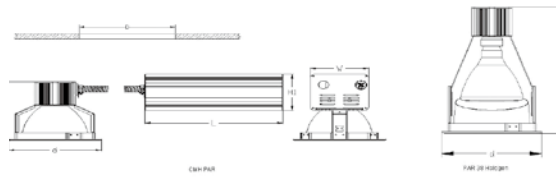


## Photometric Data



## Dimensions

Unit: mm



Before commencing any electrical work, make sure the electrical power is disconnected.  
 Ensure minimum depth of ceiling space is available-check column "Height H" of Table 1  
 The cutout size for recessed downlight-check column "Cutout HoleØ" of Table 1

- Cut out a hole on the ceiling
- Take the reflector(Upper and lower reflector if applicable) and lamp (if lamp is pre-installed within the downlight) off, unscrew the cover of the gear box
- Insert the downlight into the mounting clips downward till the ring of the recessed housing clings to the ceiling tightly; then tweak the screw to tighten the clips
- Put the reflector(or upper reflector) back, load lamp to the lampholder (and the lower reflector if applicable.) Revolve the glass cover into the rim according to the direction correction

### NOTE

- The lamp wattage should not exceed the maximum wattage listed in column "Recommended lamps" of table 1. Make sure the lamp is cold when replacing
- Ensure adequate ventilation around the fixture by removing any proof insulation from at least 100mm around the hole, under no circumstances these fitting must be covered with insulating or similar

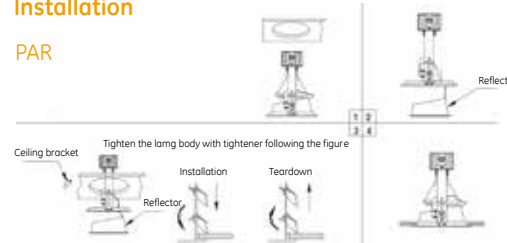
## Ordering Description

SKU	SKU Description	Type	Recommended Lamp	Voltage	Frequency	Hole Diameter Ø (mm)	Housing diameter D (mm)	Height H (mm)	GearBox size LxWxH(mm)
CFL-Magnetic ballast									
AF41301	FOV 8621 110 H	Vertical	F10DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41302	FOV 8621 113 H	Vertical	F13DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41303	FOV 8621 118 H	Vertical	F18DBX/2P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41304	FOV 8621 113 H GL	Vertical	F13DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41305	FOV 8621 118 H GL	Vertical	F18DBX/2P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41306	FOH 8621 110 H GL	Horizontal	F10DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41307	FOH 8621 113 H GL	Horizontal	F13DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41308	FOH 8621 118 H GL	Horizontal	F18DBX/2P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41310	FOH 8621 110 H	Horizontal	F10DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41311	FOH 8621 113 H	Horizontal	F13DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41312	FOH 8621 118 H	Horizontal	F18DBX/2P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41314	FOH 8621 210 H	Horizontal	F10DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41315	FOH 8621 213 H	Horizontal	F13DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41316	FOH 8621 218 H	Horizontal	F18DBX/2P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41318	FOH 8621 210 H GL	Horizontal	F10DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41319	FOH 8621 213 H GL	Horizontal	F13DBX/2P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41320	FOH 8621 218 H GL	Horizontal	F18DBX/2P	220V~	50Hz	178~180	193	95	202x110x52.5
CFL-Electronic Ballast									
AF41323	FOH 8621 113 EB	Horizontal	F13DBX/4P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41324	FOH 8621 118 EB	Horizontal	F18DBX/4P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41325	FOH 8621 126 EB	Horizontal	F26DBX/4P	220V~	50Hz	214~216	229	124	202x110x52.5
AF41327	FOH 8621 113 EB GL	Horizontal	F13DBX/4P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41328	FOH 8621 118 EB GL	Horizontal	F18DBX/4P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41329	FOH 8621 126 EB GL	Horizontal	F26DBX/4P	220V~	50Hz	214~216	229	124	202x110x52.5
AF41331	FOH 8621 213 EB	Horizontal	F13DBX/4P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41332	FOH 8621 218 EB	Horizontal	F18DBX/4P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41333	FOH 8621 226 EB	Horizontal	F26DBX/4P	220V~	50Hz	214~216	229	124	202x110x52.5
AF41335	FOH 8621 213 EB GL	Horizontal	F13DBX/4P	220V~	50Hz	160~162	175	95	202x110x52.5
AF41336	FOH 8621 218 EB GL	Horizontal	F18DBX/4P	220V~	50Hz	178~180	193	95	202x110x52.5
AF41337	FOH 8621 226 EB GL	Horizontal	F26DBX/4P	220V~	50Hz	214~216	229	124	202x110x52.5

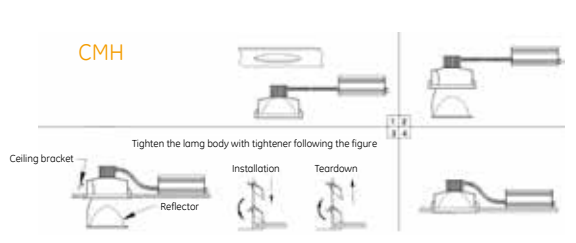
\* Lamps are not included.

## Installation

### PAR

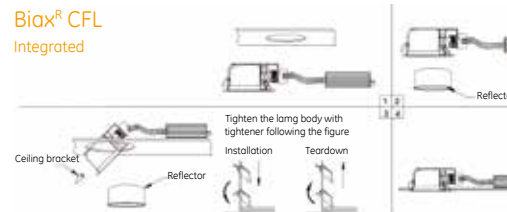


### CMH

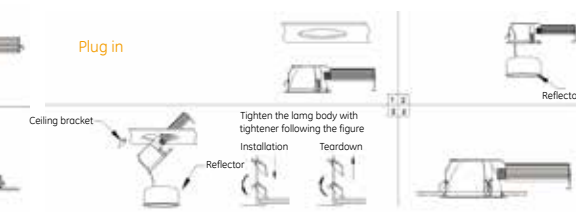


### Biax<sup>®</sup> CFL

#### Integrated



#### Plug in







# Professional Downlight

## Specification Features

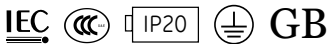
- Horizontal and vertical lamp options, can fit with GE incandescent lamps, or CFL lamps.
- Steel panel housing, with powder coating in black
- Reflectors using high purity Aluminum, unique glare control design.
- GE brand EB and EM ballast
- Clamp installation method, easy to install, suitable to fit with various ceiling
- Angle adjustable as optional
- Glass cover optional
- Place of origin: China

## Applications

- Offices, restaurant, stores, and other public open areas.

## Electric Standards & Safety

CCC Certificated,, Conform with IEC60598 standard, IP20, class I



## Order Logic

### Direct series

EFOH 8621	213	EB	GL
Serial number	Lamp	Ballast option	Options
EFOH 8621 = horizontal	110=1x10w	EB=electronic ballast	GL- glass cover
EFOV 8621 = vertical	113=1x13w	L=magnetic ballast, without capacitor	
	118=1x18w	H=magnetic ballast with capacitor	
	126=1x26w		
	132=1x32w		
	142=1x42w		
	210=2x10w		
	213=2x13w		
	218=2x18w		
	226=2x26w		
	232=2x32w		

## Ordering Description

### INC/Integrated CFL Series

Horizontal

SKU	SKU Description	Hole Diameter (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Recommended Lamp
18860	EFOH 8621 S4 E27	126	105	149	263	0.76	INC (<40W), Integrated CFL
18863	EFOH 8621 S5 E27	155	105	178	289	0.82	INC (<60W), Integrated CFL
18864	EFOH 8621 S6 E27	171	105	194	297	0.85	INC (<100W), Integrated CFL
18872	EFOH 8621 S4 E27 GL	126	105	149	263	0.82	INC (<40W), Integrated CFL
18874	EFOH 8621 S5 E27 GL	155	105	178	289	0.9	INC (<60W), Integrated CFL
18875	EFOH 8621 S6 E27 GL	171	105	194	297	0.98	INC (<100W), Integrated CFL

\* Lamps are not included.

## Ordering Description

### INC/Integrated CFL Series

Vertical

SKU	SKU Description	Hole Diameter (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Recommended Lamp
18851	EFOV 8621 S4 E27	126	176	149	149	0.51	INC (<40W), Integrated CFL
18855	EFOV 8621 S5 E27	155	190	178	178	0.56	INC (<60W), Integrated CFL
18856	EFOV 8621 S6 E27	171	213	194	194	0.61	INC (<100W), Integrated CFL

\* Lamps are not included.

### Plug-in CFL, EB Series

Horizontal

SKU	SKU Description	Hole Diameter (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Recommended Lamp
AF41601	EFOH 8621 113 EB	155	105	178	340	1.06	1 x F13DBX/4P
AF41602	EFOH 8621 118 EB	171	105	194	358	1.10	1 x F18DBX/4P
AF41603	EFOH 8621 126 EB	211	130	234	388	1.34	1 x F26DBX/4P
AF41604	EFOH 8621 132 EB	211	130	234	388	1.34	1 x F32TBX/A/4P/EOL
AF41605	EFOH 8621 142 EB	211	130	234	388	1.34	1 x F42TBX/A/4P/EOL
AF41607	EFOH 8621 213 EB	155	105	178	340	1.07	2 x F13DBX/4P
AF41608	EFOH 8621 218 EB	171	105	194	358	1.11	2 x F18DBX/4P
AF41609	EFOH 8621 226 EB	211	130	234	388	1.35	2 x F26DBX/4P
AF41610	EFOH 8621 232 EB	211	130	234	388	1.35	2 x F32TBX/A/4P/EOL
AF41613	EFOH 8621 113 EB GL	155	105	178	340	1.14	1 x F13DBX/4P
AF41614	EFOH 8621 118 EB GL	171	105	194	358	1.23	1 x F18DBX/4P
AF41615	EFOH 8621 126 EB GL	211	130	234	388	1.52	1 x F26DBX/4P
AF41616	EFOH 8621 132 EB GL	211	130	234	388	1.52	1 x F32TBX/A/4P/EOL
AF41617	EFOH 8621 142 EB GL	211	130	234	388	1.52	1 x F42TBX/A/4P/EOL
AF41619	EFOH 8621 213 EB GL	155	105	178	340	1.15	2 x F13DBX/4P
AF41620	EFOH 8621 218 EB GL	171	105	194	358	1.24	2 x F18DBX/4P
AF41621	EFOH 8621 226 EB GL	211	130	234	388	1.53	2 x F26DBX/4P
AF41622	EFOH 8621 232 EB GL	211	130	234	388	1.53	2 x F32TBX/A/4P/EOL

Vertical

SKU	SKU Description	Hole Diameter (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Recommended Lamp
AF41625	EFOV 8621 113 EB	155	200	178	178	0.81	1 x F13DBX/4P
AF41626	EFOV 8621 118 EB	171	223	194	194	0.86	1 x F18DBX/4P
AF41627	EFOV 8621 126 EB	211	266	234	234	1.03	1 x F26DBX/4P
AF41628	EFOV 8621 132 EB	211	266	234	234	1.34	1 x F32TBX/A/4P/EOL
AF41629	EFOV 8621 142 EB	211	266	234	234	1.34	1 x F42TBX/A/4P/EOL

\* Lamps are not included.

## Ordering Description

### Plug-in CFL, EB Series

Horizontal

SKU	SKU Description	Hole Diameter (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Recommended Lamp
18914	EFOH 8621 110 L	126	105	149	286	1.07	1 × F10DBX
18915	EFOH 8621 113 L	155	105	178	310	1.14	1 × F13DBX
18916	EFOH 8621 118 L	171	105	194	328	1.17	1 × F18DBX
18918	EFOH 8621 110 H	126	105	149	286	1.09	1 × F10DBX
18919	EFOH 8621 113 H	155	105	178	310	1.16	1 × F13DBX
18920	EFOH 8621 118 H	171	105	194	328	1.19	1 × F18DBX
18922	EFOH 8621 210 L	155	105	178	310	1.39	2 × F10DBX
18923	EFOH 8621 213 L	155	105	178	310	1.46	2 × F13DBX
18924	EFOH 8621 218 L	171	105	194	328	1.49	2 × F18DBX
18926	EFOH 8621 210 H	155	105	178	310	1.41	2 × F10DBX
18927	EFOH 8621 213 H	155	105	178	310	1.48	2 × F13DBX
18928	EFOH 8621 218 H	171	105	194	328	1.51	2 × F18DBX
18934	EFOH 8621 110 L GL	126	105	149	286	1.13	1 × F10DBX
18936	EFOH 8621 113 L GL	155	105	178	310	1.22	1 × F13DBX

\* Lamps are not included.

### Plug-in CFL, EB Series

Horizontal

SKU	SKU Description	Hole Diameter (mm)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Recommended Lamp
18938	EFOH 8621 118 L GL	171	105	194	328	1.30	1 × F18DBX
18940	EFOH 8621 110 H GL	126	105	149	286	1.15	1 × F10DBX
18945	EFOH 8621 113 H GL	155	105	178	310	1.24	1 × F13DBX
18947	EFOH 8621 118 H GL	171	105	194	328	1.32	1 × F18DBX
18950	EFOH 8621 210 L GL	155	105	178	310	1.45	2 × F10DBX
18951	EFOH 8621 213 L GL	155	105	178	310	1.54	2 × F13DBX
18953	EFOH 8621 218 L GL	171	105	194	328	1.62	2 × F18DBX
18956	EFOH 8621 210 H GL	155	105	178	310	1.47	2 × F10DBX
18957	EFOH 8621 213 H GL	155	105	178	310	1.56	2 × F13DBX
18958	EFOH 8621 218 H GL	171	105	194	328	1.64	2 × F18DBX

Vertical

18877	EFOV 8621 110 L	126	176	149	149	0.84	1 × F10DBX
18880	EFOV 8621 113 L	155	190	178	178	0.87	1 × F13DBX
18882	EFOV 8621 118 L	171	213	194	194	0.92	1 × F18DBX
18884	EFOV 8621 110 H	126	176	149	149	0.84	1 × F10DBX
18885	EFOV 8621 113 H	155	190	178	178	0.89	1 × F13DBX
18886	EFOV 8621 118 H	171	213	194	194	0.94	1 × F18DBX

\* Lamps are not included.



## Shoplight

### Specification Features

- Rectangular die-casting aluminium construction with frame, finished gear box with plug connection
- Specular anodized aluminium reflector adjustable through 0-45°
- Bi-symmetrical wide beam distribution
- 5mm thickness toughened safety glass cover, complete w/Flex & Plug-1 meter lead with 3 pin plug supplied
- Place of origin: China

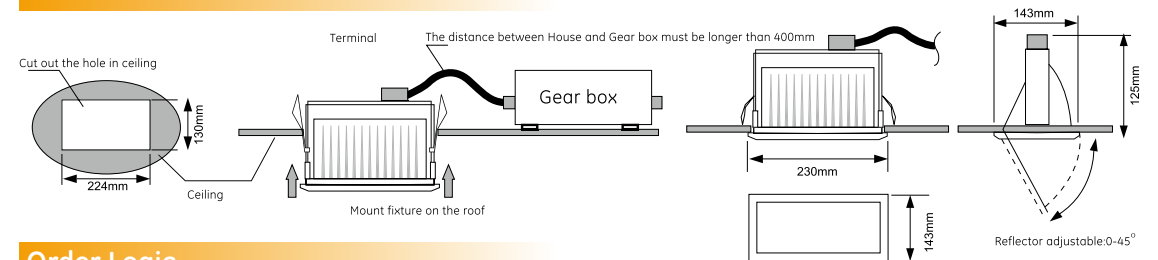
### Lamp

- Supplied with double-ended Quartz Metal Halide lamp  
GE ARC70/742: average rated life is 6000 hrs for 70W  
GE ARC150/742: average rated life is 12,000 hrs for 150W
- CMH lamp is optional

### Applications

- Designed to provide lighting for wall washing and general ambient lighting for most interior applications

### Installation



### Order Logic

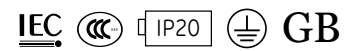
SPL	6	w	7	MH
Product	Voltage	Color	Wattage	Lamp
SPL=Shoplight	6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	W=White	07=70W 15=150W	MH=European Type QMH CMH=European Type CMH N/A=w/o Lamp

### Ordering Description

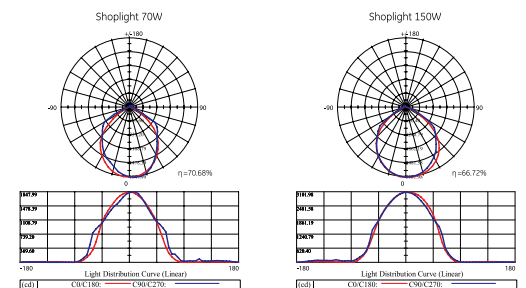
SKU	SKU Description	Package (pcs)	Package Weight (kg)	SKU	SKU Description	Package (pcs)	Package Weight (kg)
AF70051	SPL 6 W 07 MH	2	9	AF70057	SPL 6 W 07	2	9
AF70052	SPL 6 W 15 MH	2	11.6	AF70058	SPL 6 W 15	2	11.6
AF70053	SPL 7 W 07 MH	2	9	AF70059	SPL 7 W 07	2	9
AF70054	SPL 7 W 15 MH	2	11.6	AF70060	SPL 7 W 15	2	11.6
AF70055	SPL 8 W 07 MH	2	9	AF70061	SPL 8 W 07	2	9
AF70056	SPL 8 W 15 MH	2	11.6	AF70062	SPL 8 W 15	2	11.6

### Electric Standards & Safety

CCC Certified; GB 7000.1-2007 & GB 7000.202-2008; IP20; Class I



### Photometric Data



# ROADWAY LIGHTING



## City Beautiflcation

IBERIA	58
SYRA	60
DUNA	62

## Roadway

SKYGEN	63
SKYGEN II	64
Breadleaf	65
M40	66
Olympia	68
INALUX	69
Corol	70
QUNA	71
M250A	72
Genx II	73
Spectra	74
GENX	76
HIGH MAST	77

## Tunnel

Railway Tunnel	78
A Tunnel	80
LFL Tunnel	82





# IBERIA

## Specification Features

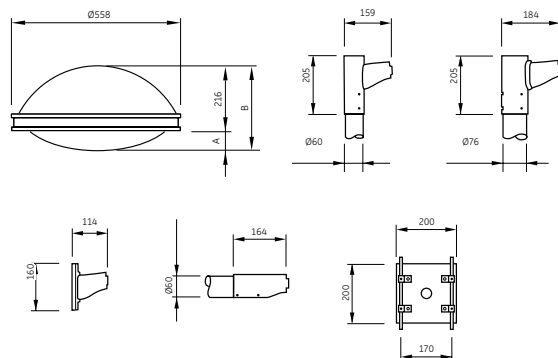
- Support ring: die-casting aluminium. Supports upper housing, electrical unit and mounting device. A die-casting aluminium hinged door allows the access to the optical assembly and the electrical unit without tools
- Housing: one-piece spun aluminium. Spherical and elliptical available. Clamped to the support ring for a perfect fitting
- Optical chamber: IP 66; The control gear is mounted on an easily removable universal tray, with a terminal block for wires up to 4 mm<sup>2</sup>
- Reflector: high purity (99.85%) one-piece formed aluminium reflector, anodized and sealed. Asymmetric distribution with minimum light emission towards the upper hemisphere
- Lens: spherical, elliptical or drop lens, optional tempered flat glass resistant to thermal and mechanical shock
- Lamp holder: adjustable in various positions
- Relamping without tools, easy and safe
- Eight installation ways for option, flexible and convenient
- Other colors available according to customer demand
- Place of origin: Europe

## Applications

- Due to different options and versatility, IBERIA series is suitable for all architectural and urban environment, and also for roadway lighting

## Dimensions

Unit: mm

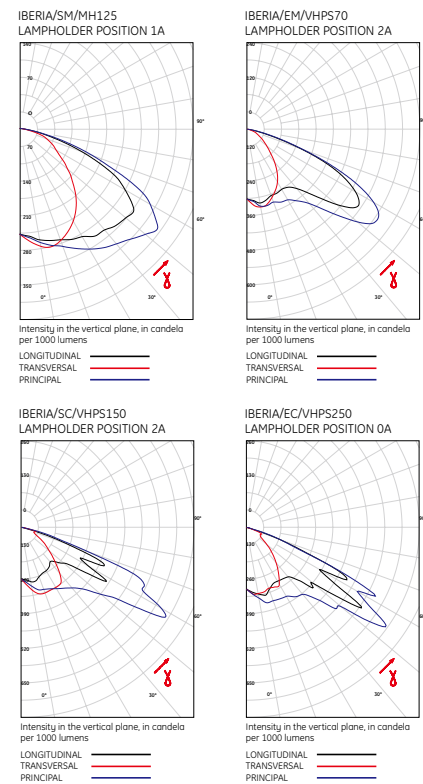


## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; Class I



## Photometric Data



	SM/SC	EM/EC	DC	VC	VT
A (mm)	201	128	67	59	0
B (mm)	417	344	283	275	218

IBERIA series is a modular concept of luminaires for outdoor decorative lighting, for mercury vapor, high pressure sodium and metal halide lamps up to 250W.

## IBERIA Premium

Options: RC - Bi power system  
C2 - Class II  
EB - Electronic ballast

SKU	SKU Description	Lamp
519822	IBERIA PREMIUM VT HPS 70W	LU70/90/MO/T/E27
519823	IBERIA PREMIUM VT HPS 100W	LU100/100/XO/T/40
519824	IBERIA PREMIUM VT HPS 150W	LU150/100/40
519825	IBERIA PREMIUM VT HPS 250W	LU250/T/40
519826	IBERIA PREMIUM VT CMH150 TU	CMH150/T/UVC/830/E40
519827	IBERIA PREMIUM VT CMH250 TU	CMH250/TT/UVC/U/830/E40
519828	IBERIA PREMIUM VC HPS 70W	LU70/90/MO/T/E27
519829	IBERIA PREMIUM VC HPS 100W	LU100/100/XO/T/40
519830	IBERIA PREMIUM VC HPS 150W	LU150/100/40
519831	IBERIA PREMIUM VC HPS 250W	LU250/T/40
519832	IBERIA PREMIUM VC CMH150 TU	CMH150/T/UVC/830/E40
519833	IBERIA PREMIUM VC CMH250 TU	CMH250/TT/UVC/U/830/E40

\* Lamps are not included.

## IBERIA Spherical

SKU	SKU Description	Lamp
87973	IBERIA/E/SC HPS 100W	LU100/100/XO/T/40
87974	IBERIA/E/SC HPS 150W	LU150/100/40
87975	IBERIA/E/SC HPS 250W	LU250/T/40
87979	IBERIA/E/SM HPS 100W	LU100/100/XO/T/40
87980	IBERIA/E/SM HPS 150W	LU150/100/40
87981	IBERIA/E/SM HPS 250W	LU250/T/40

## Accessory Ordering Description

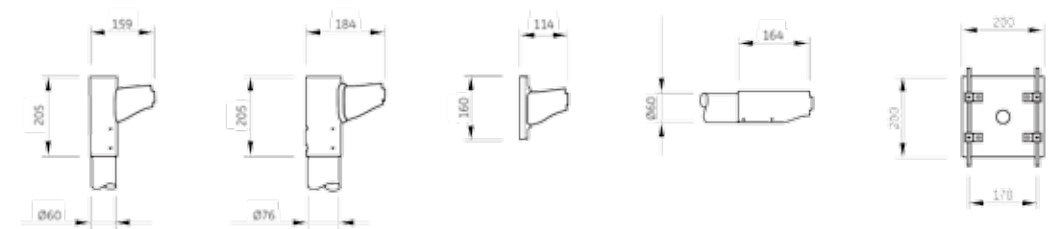
SKU	SKU Description
519834	ACOP SP6 IBERIA PREMIUM
519837	ACOP SP7 IBERIA PREMIUM
519835	ACOP DP6 IBERIA PREMIUM
519838	ACOP DP7 IBERIA PREMIUM
519836	ACOP TP6 IBERIA PREMIUM
519839	ACOP TP7 IBERIA PREMIUM
519840	ACOP AT IBERIA PREMIUMA
519841	COP WM IBERIA PREMIUM
87971	ACOP CT IBERIA/SYR
87996	AACOP L IBERIAv

## Mounting devices

Bracket has to be ordered separately



## Dimensions





# SYRA

## Specification Features

- Housing: one-piece spun aluminium. A die-casting aluminium piece in the top of the housing is used for the support of the electrical unit and the mounting device. A hinged door allows access to the optical assembly and the electrical unit without tools
- Electrical unit: the control gear is mounted on an easily removable universal tray, with a terminal block for wires up to 4mm<sup>2</sup>
- Optical assembly: easy removal, consisting of:
  - **Reflector:** high purity(99.85%)one-pieceformed aluminium reflector; anodized and sealed. Asymmetric distribution with minimum light emission towards the upper hemisphere
  - **Lens:** spherical, elliptical or drop lens. Clear or stippled polycarbonate. Optionally tempered flat glass resistant to thermal and mechanical shock
- Lamp holder: adjustable in various positions
- Relamping: without tools. Quick, easy and safe
- Installation: pendant 1"
- Place of origin: Europe

## Applications

- Lighting the city, attractive design for all road lighting in city beautification, pedestrians areas and for seawalks

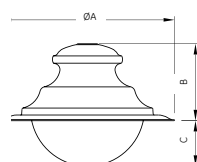
## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; Class I



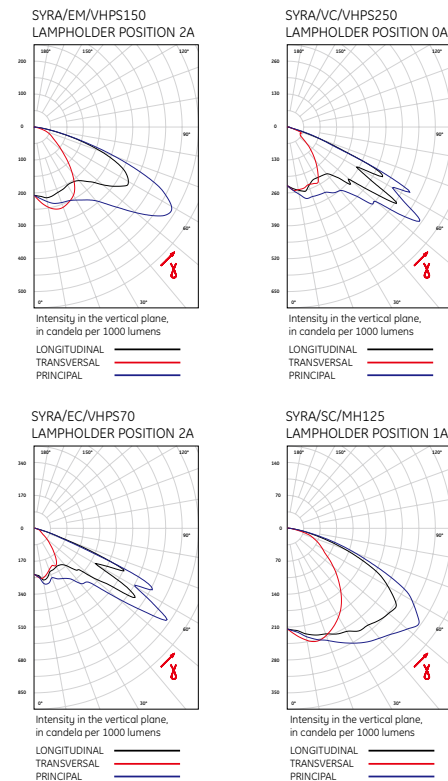
## Dimensions

Unit: mm



(mm)ABC	A	B	C	VC
				SM/SC VT
SYRA-150	722	319	189	0
SYRA-250	762	372	186	

## Photometric Data



## SYRA-150

Options: RC – Bi power system  
C2 – Class II  
EB – Electronic ballast

SKU	SKU Description	Lamp
519842	SYRA-150 SC HPS 70W	LU 70/90/MO/T/E27
519850	SYRA-150 VT HPS 70W	LU70/90/MO/T/E27
519843	SYRA-150 SC HPS 100W	LU100/100/XO/T/40
519851	SYRA-150 VT HPS 100W	LU100/100/XO/T/40
519844	SYRA-150 SC HPS 150W	LU150/100/40
519845	SYRA-150 SC CMH 150 TU	CMH150/T/UVC/830/E40
519852	SYRA-150 VT HPS 150W	LU150/100/40
519853	SYRA-150 VT CMH 150 TU	CMH150/T/UVC/830/E40

Lens: SC – spherical clear  
VT – tempered flat glass  
\* Lamps are not included.

## SYRA-250

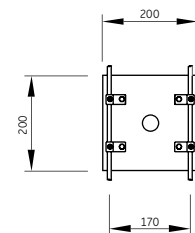
Options: RC – Bi power system  
C2 – Class II  
EB – Electronic ballast

SKU	SKU Description	Lamp
519856	SYRA-250 SC HPS 250W	LU250/T/40
519857	SYRA-250 SC CMH 250 TU	CMH250/TT/UVC/U/830/E40
519858	SYRA-250 VT HPS 250W	LU250/T/40
519859	SYRA-250 VT CMH 250 TU	CMH250/TT/UVC/U/830/E40

Lens: VT – tempered flat glass  
SC – spherical clear  
\* Lamps are not included.

## Accessory Dimensions

### Interface



SKU	SKU Description
87971	ACOP CT IBERIA/SYRA



# DUNA

## Specification Features

- Base: die-casting aluminium. Pole mounting device includes a PG-13.5 cable gland for a perfect sealing
- Body: one-piece cast aluminium, with three decorative arms and two rings. Supports optical components and control gear assembly
- Upper housing: one-piece spun aluminium
- Control gear assembly: The control gear is mounted on an easily removable universal tray. The luminaire includes a supply terminal board with electrical disconnection system once the fixture is opened
- Optical assembly: anti-vandal clear polycarbonate lens, together with one of the following configurations:  
 AD: direct asymmetric distribution, with a high purity pressed aluminium reflector(99,85%), anodized and sealed. Minimum light emission towards the upper hemisphere  
 SD: direct symmetric distribution, with an spun aluminium shield reflector, anodized and sealed  
 SI: indirect symmetric distribution, with an upper pressed aluminium reflector, anodized and sealed, and an acrylic diffuser  
 Relamping: without tools once the luminaire is opened. Quick, easy and safe
- Installation: post-top mounting for 60mm diameter poles
- Place of origin: Europe

## Applications

- The three different options available allow to ability cover all applications in amenity lighting for city beautification

## Order Logic

DUNA	AD	HAL 150W	230V	50Hz	AF	XX
Product Identity	Lens	Source	Voltage	Frequency	Power Factor	Options Color*
DUNA	SD: Direct Symmetric AD: Direct Asymmetric SI*: Indirect Asymmetric*	HPS 50W HPS 70W HPS 100W HPS 150W MH 50W MH 70W MH 100W MH 150W MV 80W MV 125W	230V 220V 240V	50Hz 60Hz	AF(HPF): High Power Factor	C2: Class II

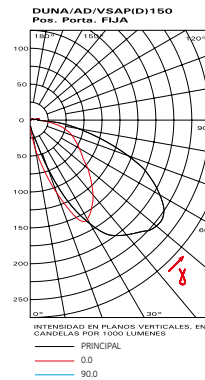
\*Note: Standard color grey SI optical is compatible with G12 base compact lamps and PAR lamps  
Lamps are not included.

## Electric Standards & Safety

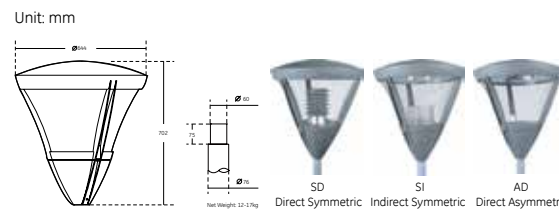
IP66, optical assembly; IP44 ballast compartment; Class II



## Photometric Data



## Dimensions



DUNA is a range of luminaires for outdoor decorative lighting, for mercury vapor, high pressure sodium and metal halide lamps up to 150W.

# SKYGEN

## Specification Features

- Innovative exterior design (patent 02398189.0), high pressure aluminium die-casting two part housing
- High purity anodized aluminium reflector provides best optical performance
- Tempered glass with GE silicon sealing
- Charcoal filter (option)
- Passed 2G 3 dimensional 100,000 times vibration test
- Electrostatic surface painting, 5 different standard RAL colors available from factory
- 4 lamp holder positions match different optical requirements
- Lamp: 150W, 250W, 400W, 600W HPS
- Place of origin: China

## Applications

- Main roadways, highways, urban areas, industrial parks, parking lots and etc

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I

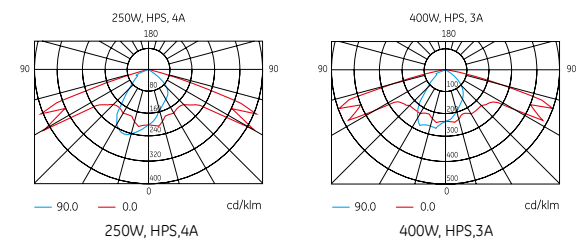


## Order Logic

SGN	25	S	1	AD	GA	XX
Product Identity	Wattage	Light Source	Voltage	Anti-Drop Chain	Color*	Options
SGN=SKYGEN I	15=150W 25=250W 40=400W 60=600W	S=HPS	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	AD=Anti-Drop Chain	SG=RAL9007 WH=RAL9003 PG=RAL1036 GA=RAL7001 GB=RAL5010	FT=Charcoal Filter FS=Fuse

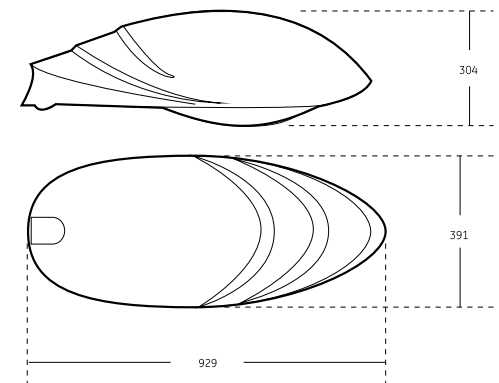
\*Note: Pls contact GE sales for any other color request  
Lamps are not included.

## Photometric Data

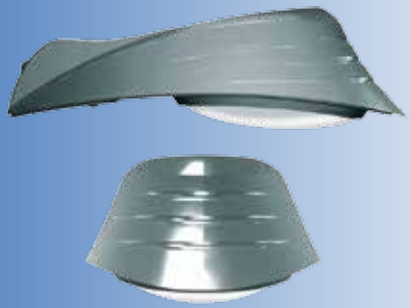


## Dimensions

Unit: mm



Effective Projected Area(m <sup>2</sup> )	Suggested Mounting Height (m)	Pole Outer Diameter (mm)	Net Weight (kg)
0.13	7~16	50~60	12~16



# SKYGEN II

## Specification Features

- Innovative exterior design (patent 200430006917), high pressure aluminium die-casting two part housing
- Die-casting aluminium housing provides long lasting structural reliability
- Formed high purity anodized aluminium reflector provides superior lighting output and outstanding uniformity
- Tempered sag glass with GE silicon sealing
- Passed 2G 3 dimensional 100,000 times vibration test
- Fitting opens up for easy maintenance and replacement
- Electrostatic surface painting
- Lamp: 150W, 250W, 400W, 600W HPS
- Place of origin: China

## Applications

- Main roadways, highways, urban areas, industrial parks, parking lots and etc

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I

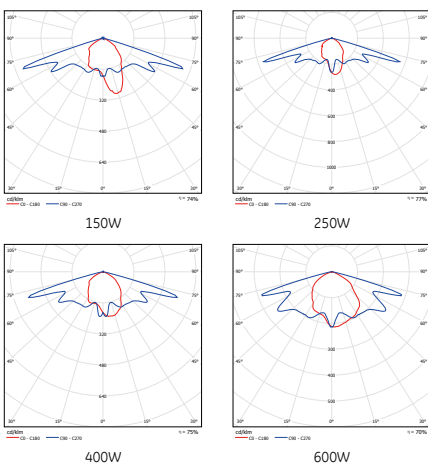


## Order Logic

SKGT	25	S	1	AD	GA	XX
Product Identity	Wattage	Light Source	Voltage	Anti-Drop Chain	Color*	Options
SKGT=SKYGEN II	15=150W 25=250W 40=400W 60=600W	S=HPS	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	AD=Anti-Drop Chain	SG=RAL9007 WH=RAL9003 PG=RAL1036 GA=RAL7001 GB=RAL5010	FT=Charcoal Filter

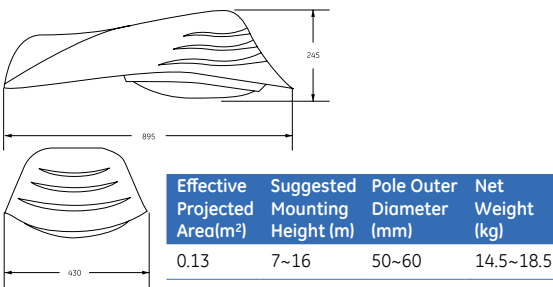
\*Note: Pls contact GE sales for any other color request  
Lamps are not included.

## Photometric Data



## Dimensions

Unit: mm



# Breadleaf

## Specification Features

- Rigid die-casting housing
- Surface powder painting, gray(RAL9006)
- Tool-free open, easy maintenance
- Optional Membrane filter
- High purity AL reflector, efficiency 84%
- Bi-level gear
- Optional photocell
- Standard anti-drop chain, avoid unexpected damage
- Optional auto power-off system, more safe operation
- Lamp: 100W~400W High Pressure Sodium  
100W~400W Ceramic Metal Halide Quartz Metal Halide  
100W, 150W STREETWISE
- Place of origin: China

## Applications

- Main road in city, highway, industrial park
- Commercial plaza
- Parking area

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; Class I

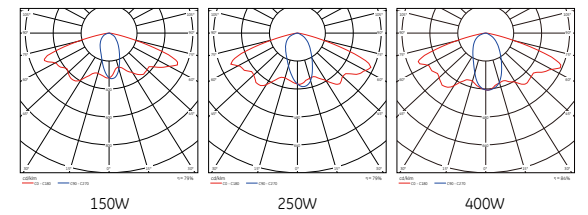


## Order Logic

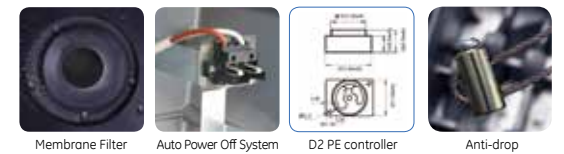
BRE	25	S	1	AD	WA	XX
Product Ident	Wattage	Light Source	Voltage	Anti-drop Chain	Color*	Options
XXX	XXX	X	X	XX	XX	XX
BRE=	0A=100W 15A=150W 15B=150W (Bi-level 150W-100W) 25A=250W 25B=250W (Bi-level 250W-150W) 40A=400W 40B=400W (Bi-level 400W-250W) *Bi-level Only for HPS	S=HPS Lamp CM=CMH Lamp QM=QMH Lamp	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	AD=Anti-drop Chain	WA=RAL9006	MT=Membrane Filter AP=Auto Power Off System FS=Fuse PE=D2 PE controller VI= Vertical Installation

\*Note: Pls contact GE sales for any other color request  
Lamps are not included.

## Photometric Data

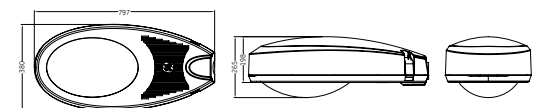


## Accessory



## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Suggested Mounting Height (m)	Pole Outer Diameter (mm)	Net Weight (kg)
0.25	6~14	48~60	11.5~14.5



# M40

## Specification Features

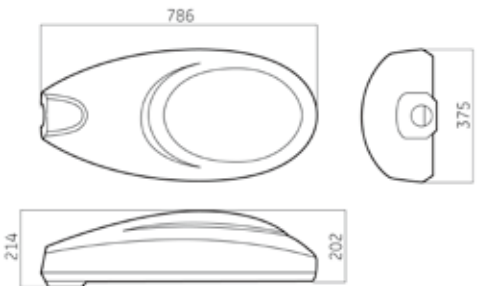
- Die-casting aluminum housing
- High purity anodized aluminum reflector
- Tempered glass lens sealed with GE Silicon sealing
- Maintenance without tools
- Electrostatic surface painting
- Bi-level system can save 20% energy, comparing to GE normal magnetic ballast
- Membrane filter as option
- Photocell as option
- Anti-drop
- Auto-power off system as option
- Passed 2G 3D 100,000 times vibration test & standard IEC vibration test.
- IEC & CQC certificate
- Lamp: 100W, 150W, 250W, 400W, suitable for GE CMH streetwise
- Place of origin: China

## Applications

- Street & Roadway
- Commercial Plaza
- Highway & Overhead road
- Parking lots
- Industrial parks

## Dimensions

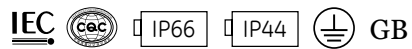
Unit: mm



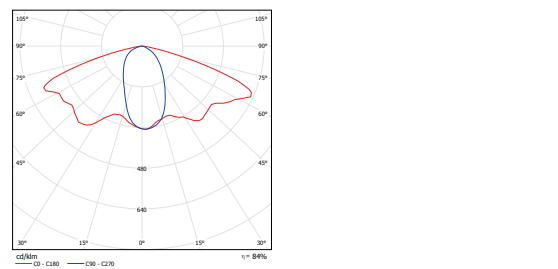
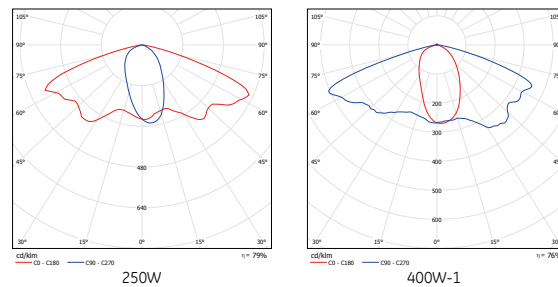
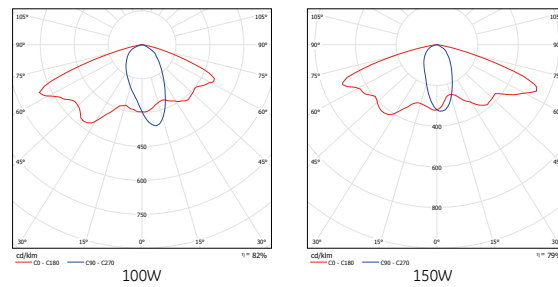
Effective Projected Area (m <sup>2</sup> )	Suggested Mounting Height (m)	Pole Outer Diameter (mm)	Net Weight (kg)
0.25	6~14	48~60	11.5~14.5

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I



## Photometric Data



400W-1

## Accessory

### Membrane Filter (Optional)



### Auto Power off System (Optional)

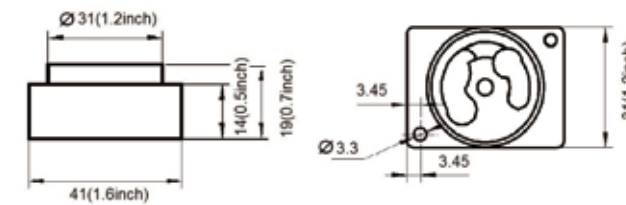


### Anti-drop



### D2 PE Controller (Optional)

Unit: mm

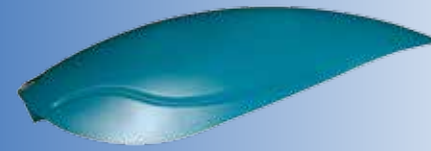


## Order Logic

MET	25	S	1	AD	WA	XX
Product Identity	Wattage	Light Source	Voltage	Anti-drop Chain	Color*	Options
MET=M40	10A=100W 15A=150W 15B=150W (Bi-level 150W-100W) 25A=250W 25B=250W (Bi-level 250W-150W) 40A=400W 40B=400W (Bi-level 400W-250W) *Bi-level Only for HPS	S=HPS CM=CMH QM=QMH	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	AD=Anti-drop Chain	WA=RAL9006	MT=Membrane Filter AP=Auto Power Off System FS=Fuse PE=D2 PE Controller VI=Vertical Installation

\*Note: Pls contact GE sales for any other color request  
Lamps are not included.





# Olympia

## Specification Features

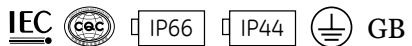
- Patented surrealistic housing design, the best combination of street function lighting and city beautification
- Die-casting aluminium housing provides long lasting structural reliability
- Formed high purity anodized aluminium reflector provides high lighting output, optical beam control and visual comfort
- Optical gasketed with GE silica gel between the reflector and the toughened glass lens
- Fitting opens up for easy maintenance
- 2G vibration standard (3 dimensional 100,000 times)
- Metallic paint used over anti-corrosion primer for excellent housing finish and quality. White aluminium (RAL9006) as the standard color, for more colors please contact GE sales
- Charcoal filter (option)
- Bi-level dimming gear system available upon request, providing 4 modes for energy saving up to 30%
- Lamp: 150W, 250W, 400W HPS, suitable for GE CMH streetwise
- Place of origin: China

## Applications

- Main roadways, highways, urban areas, industrial parks, parking lots and etc

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I

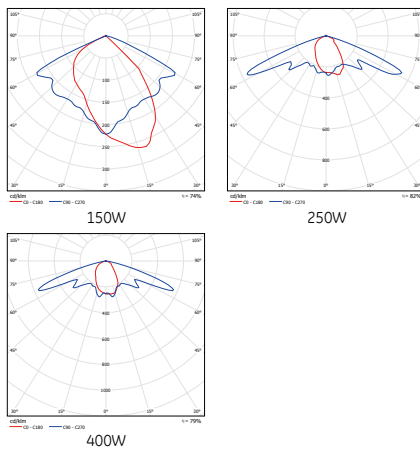


## Order Logic

Oly	25	S	1	E	AD	WA-M	XX
Product Identity	Wattage	Light Source	Voltage	Glass	Anti-Drop Chain	Color*	Options
Oly=Olympia	10A=100W 15A=150W 25A=250W 25B=250W(Bi-Level 250W-150W) 40A=400W 40B=400W(Bi-Level 400W-250W)	S=HPS M=MH	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	E=Elliptica Glass	AD=Anti-Drop Chain	WA-M=RAL 9006 WA=RAL 9006 SG=RAL 9007 WH=RAL 9003 PG=RAL 1036 GA=RAL 7001 GB-M=RAL 5010 GB=RAL 5010	90AN=Reflector AL 1090 w/ANLEL Anodized KR=Korea FT=Charcoal Filter

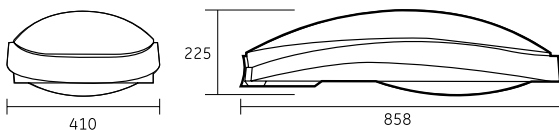
\*Note: Pls contact GE sales for any other color request  
Lamps are not included.

## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m²)	Suggested Mounting Height (m)	Pole Outer Diameter (mm)	Net Weight (kg)
0.28	<16	54~62	15.4

This luminaire is suitable for 54-62 mm (outer diameter) pole arm. There are three adjusting steps on the supporting pad with pole pad (see below picture). The pole can only be put onto the 0 degree step if D ≠ 60mm otherwise it can be put onto three steps (0°, 2.5°, 5°). Φ 10 Stainless screws.

# INALUX

## Specification Features

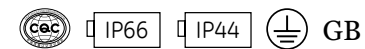
- Innovative exterior design (patent 200330123039.5), high pressure aluminium die-casting two part housing
- High purity anodized aluminium reflector provides best optical performance
- Tempered glass with GE silicon sealing
- Passed 2G 3 dimensional 100,000times vibration test
- Electrostatic surface painting, 5 different standard RAL colors available from factory
- Fitting opens up for easy maintenance and lamp replacement
- Charcoal filter for optical chamber, safety chain options
- Lamp: 150W, 250W, 400W HPS
- Place of origin: China

## Applications

- Main roadways, highways, urban areas, industrial parks, parking lots and etc

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I

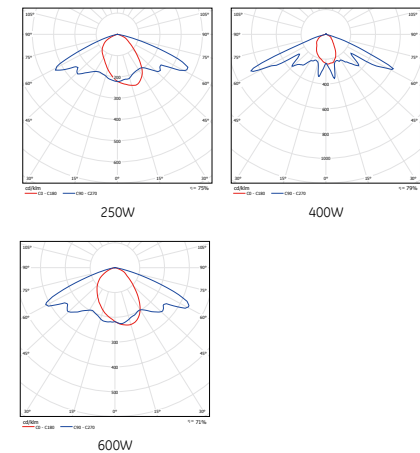


## Order Logic

	INA	40	S	8	AD	WA	XX
Product Name	Product Identity	Wattage	Light Source	Voltage	Anti-Drop Chain	Color*	Options
INALUX	INA	15=150W 25=250W 40=400W 60=600W 25B=250/150W Bi-Level 40B=400/250W Bi-Level	S=HPS	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	AD=Anti-Drop Chain	WA=RAL9006 SG=RAL9007 WH=RAL9003 PG=RAL1036 GA=RAL7001 GB=RAL5010	FT=Charcoal Filter

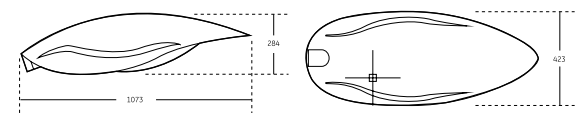
\*Note: Pls contact GE sales for any other color request  
Lamps are not included.

## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m²)	Suggested Mounting Height (m)	Pole Outer Diameter (mm)	Net Weight (kg)
0.17	6~12	57~64	13.5~16.5



# Corol

## Specification Features

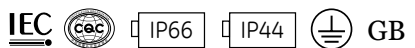
- Enhance the beauty of modern metropolitan skylines with GE patented industrially designed fitting
- Die-casting aluminium housing provides long lasting structural reliability
- Formed high purity anodized aluminium reflector provides superior lighting output and outstanding uniformity
- Tempered sag glass with GE silicon sealing
- Easy opening for maintenance without tools
- Passed 2G 3 dimensional 100,000 times vibration test
- Charcoal filter (option)
- Metallic paint used over anti-corrosion premier for excellent housing finish and quality. White aluminium (RAL9006) as standard color, for more colors please contact GE sales
- Bi-level dimming gear system available upon request providing 4 modes for energy saving up to 30%
- Lamp: 150W, 250W, 400W HPS
- Place of origin: China

## Applications

- Main roadways, highway urban areas, industrial parks, parking lots and etc

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I

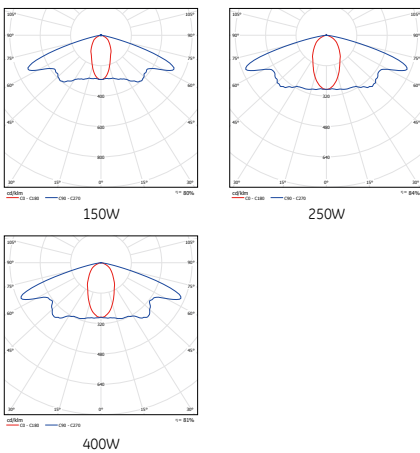


## Order Logic

Cor	25A	S	1	E	AD	GA	XX
Product Identity	Wattage	Light Source	Voltage	Glass	Anti-Diop Chain	Color*	Options
Cor=Corol	15A=150W 25A=250W 25B=250W(Bi-Level 250W-150W) 40A=400W 40B=400W(Bi-Level 400W-250W)	S=HPS M=MH	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	E=Elliptica Glass	AD=Anti-Drop Chain	WA=M= RAL9006	FT=Charcoal Filter

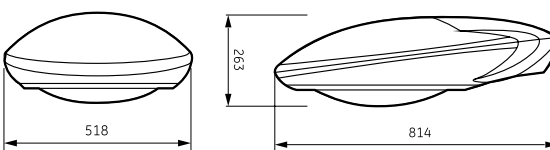
\*Note: Pls contact GE sales for any other color request  
Lamps are not included.

## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Suggested Mounting Height (m)	Pole Outer Diameter (mm)	Net Weight (kg)
0.3 (up and down)	6~14	48~60	12~14

# QUNA

## Specification Features

- Die-casting aluminum housing
- High purity anodized aluminum reflector
- Tempered glass lens sealed with GE Silicon sealing
- Maintenance without tools
- Electrostatic surface painting
- Charcoal filter as option
- Anti-drop
- Lamp: 100W, 150W, 250W
- Place of origin: China

## Applications

- Collector Street
- Garden Street
- Countryside Street
- Commercial Plaza

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I

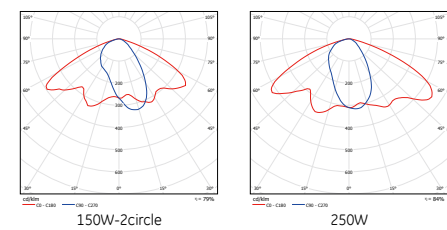


## Order Logicz

QUN	25A	S	8	AD	WA	XX
Product Identity	Wattage	Light Source	Voltage	Anti-drop Chain	Color*	Options
QUN=Quna	10A=100W 15A=150W 25A=250W	S=HPS	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	AD=Anti-drop Chain	WA=RAL9006	FT=Charcoal filter

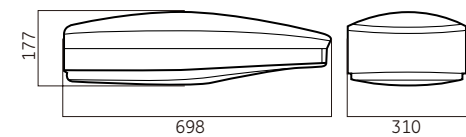
\*Note: Pls contact GE sales for any other color request  
Lamps are not included.

## Photometric Data

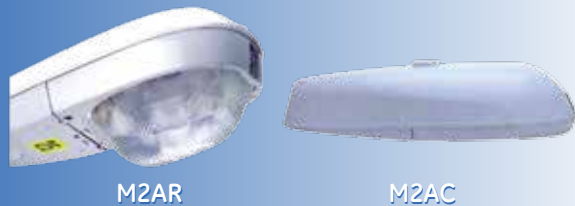


## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Suggested Mounting Height (m)	Pole Outer Diameter (mm)	Net Weight (kg)
0.11	6~9	48~52	8.5~10



# M250A

## Specification Features

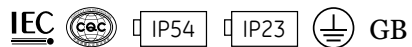
- Die-casting aluminium, electrostatically sprayed with polyester power paint finish, over anti-corrosion primer
- High purity anodized aluminium reflector, boro-silicon prism glass (M2AR), provides cut-off flat glass option (M2AC)
- Charcoal filter, to reduce reflector pollution
- Adjustable lamp holder, provides different lighting distributions
- External stainless steel bail latch for tool-less lamp replacement
- Modular electrical system for easy maintenance
- Lamp: 70W-400W HPS and Mercury
- Other colors available according to customer demand
- Place of origin: China

## Applications

- Main roadways, highways, urban areas, industrial parks, parking lots and etc

## Electric Standards & Safety

IP54, optical assembly; IP23 ballast compartment; GB; Class I

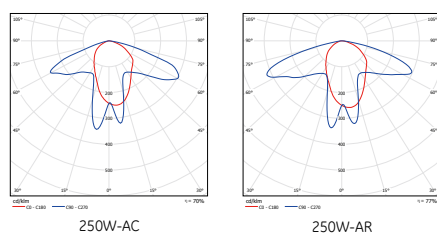


## Order Logic

M2AR	25	S	1	G	XX
Product Identity	Wattage	Source	Voltage	Lens	Options
M2AR=M250A	07=70W	S=HPS	1=240V/60Hz	G=Sag Lens	PE=Photocell
M2AC=M250 Flat Glass	08=80W	C=Mercury	2=230V/60Hz	P=Prism Lens	
	12=125W		3=220V/60Hz		
	25=250W		6=240V/50Hz		
	70W and 250W for HPS		7=230V/50Hz		
Note: 250W maximum for M2AC	80W and 125W for Mercury		8=220V/50Hz	Note: G, P only for M2AR	Note: PE only for 70W-250W

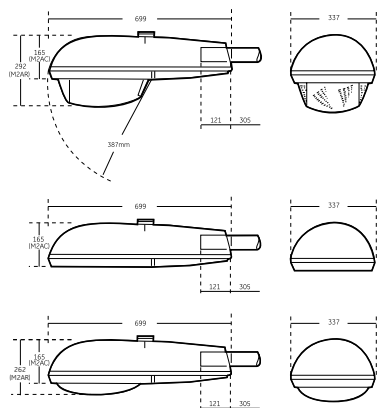
\*Note: Pls contact GE sales for any other color request  
Lamps are not included.

## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Suggested Mounting Height (m)	Pole Outer Diameter (mm)	Net Weight (kg)
0.07	6~12	42~60	9~14

# GENX II

## Specification Features

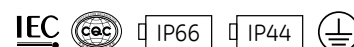
- Die casting AL housing with clipper-built appearance, suitable for different environment
- High purity anodizing AL reflector, provide high light output
- Powder painting RAL9006
- Optional fuse or photocell, for different application
- Lamps: HPS 250W, 150W, 100W 70W; CMH 250W, 150W, 100W, 70W
- Place of origin: China

## Applications

- Collector roadway
- Commercial plaza
- Industrial park
- Residential area
- Parking lots

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I

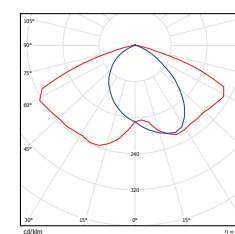


## Order Logic

GEN	25	S	8	P	WA	XX
Product Tpye	Wattage	Lamp	Voltage	Lens	Color	Other
GEN=Genx II	07=70W	S=HPS	1=240V/60Hz	F=Flat Tempered Glass	WA=RAL9006	PE=Photo cell
	10=100W	M=MH	2=230V/60Hz	P=Curve Tempered Glass	SG=RAL9007	FS=Fuse
	15=150W		3=220V/60Hz		GA=RAL7001	
	25=250W		6=240V/50Hz		AG=RAL7038	
			7=230V/50Hz			
			8=220V/50Hz			

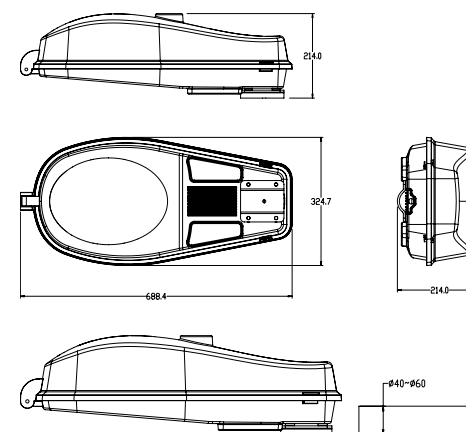
\*Note: 250W Fixture must be with Curve glass  
Lamps are not included.

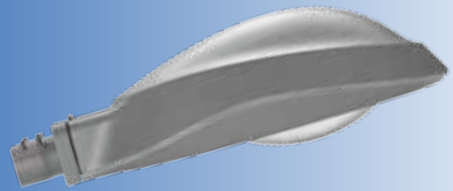
## Photometric Data



## Dimensions

Unit: mm





# Spectra

## Specification Features

- Streamline & compact appearance
- Die-casting aluminum housing
- High reflectivity reflector, made with 99.9% purity anodized aluminum
- Tempered glass lens sealed with GE Silicon sealing.
- Maintenance without tools
- Adjustable bracket of pole arm. Designed by GE with intelligence patent
- Passed 2G 3D 100,000 times vibration test
- Charcoal filter as option
- Anti-drop
- Lamp: CMH 35W, 70W, 100W, 150W, suitable for GE CMH streetwise
- Place of origin: China

## Applications

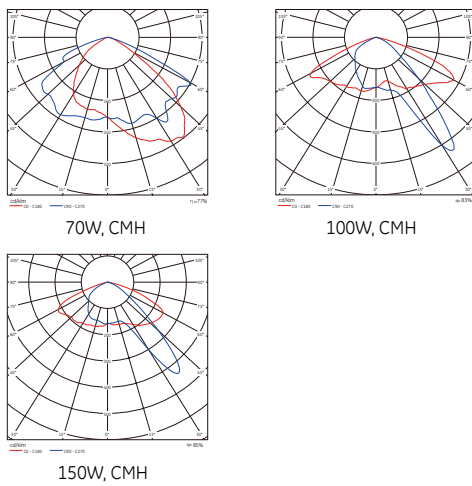
- Roadway
- Garden Street
- Parking Lot
- Commercial Plaza

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; GB; Class I

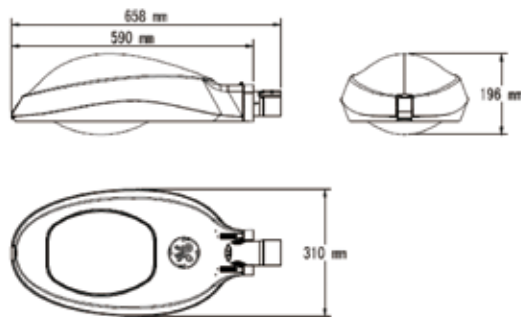


## Photometric Data



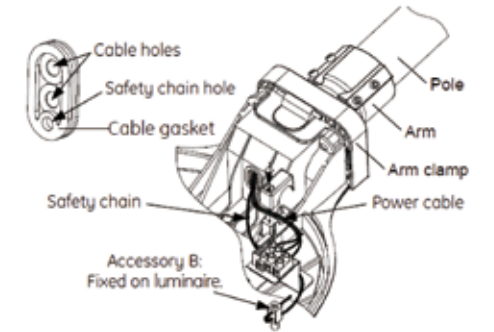
## Dimensions

Unit: mm

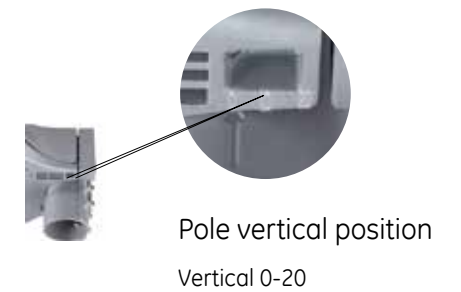
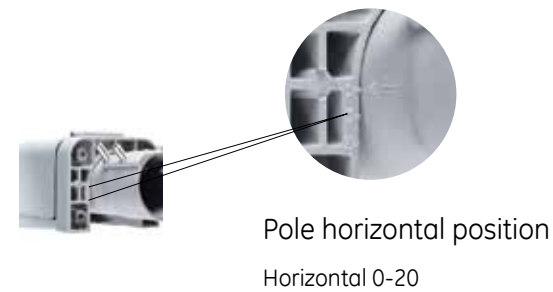


Effective Projected Area (m <sup>2</sup> )	Suggested Mounting Height (m)	Pole Outer Diameter (mm)
0.18	6~9	42~48

## Adjustable Bracket



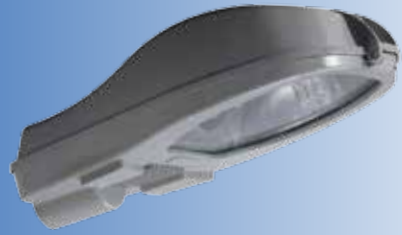
## The installation degree suggested by GE



## Order Logic

SPE	15	CM	8	G12	AD	WA
Product Identity	Wattage	Light Source	Voltage	Lampholder	Anti-Drop Chain	Color
SPE=Spectra	03=35W 07=70W 10=100W 15=150W	CM=CMH	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	G12=G12 E27=E27	AD=Anti-Drop Chain	WA=RAL9006

Note: G12 for 35W 70W 150W  
E27 for 70W 100W  
\* Lamps are not included.



# GENX

## Specification Features

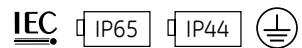
- Die casting AL housing with clipper-built appearance, suitable for different environment high purity anodizing AL reflector, provide high light output
- Powder painting RAL9006 optional fuse or photocell, for different application
- Lamps: HPS 70W, 100W; MH 70W, 100W
- Place of origin: China

## Applications

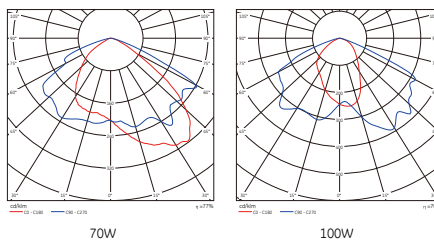
- Collector roadway
- Commercial plaza
- Industrial park
- Residential area
- Parking lots

## Electric Standards & Safety

IP66, optical assembly; IP44 ballast compartment; Class I

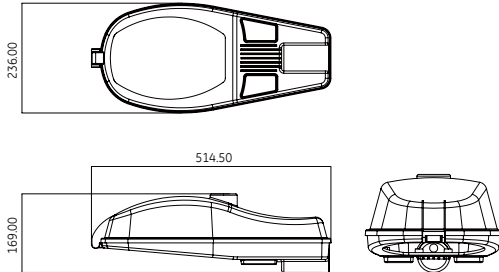


## Photometric Data



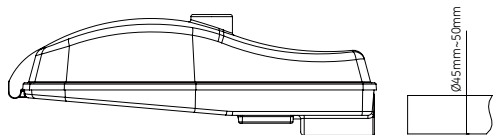
## Dimensions

Unit: mm



## Interface

Unit: mm



## Order Logic

RTW	07	S	8	N	R	T	WA	XX
Product type	Wattage	Lamp	Voltage	Ballest	Low loss	Lens	Color	Options
RSE	07=70W 10=100W	S=HPS M=MH	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	N=Normal P=Tapping terminal 220-240V	R=Regular L=Low loss*	T=Tempered Glass P=Prismatic Glass	WA=RAL 9006 SG=RAL 9007 GA=RAL 7001 AG=RAL 7038	PE=Photo cell FS=Fuse
					*70W PL=17% *100W PL=15%			

\* Lamps are not included.

# HIGH MAST

## Specification Features

- For HP Sodium Vapour and Metal Halide Lamps up to 1000W
- Luminaire comprises the ballast compartment, in die-casting aluminium painted in RAL 7035 grey, and the main body/outer reflector in spun aluminium, with a faceted interior for symmetrical photometric distributions (CS)
- Additional directionable inner reflector in faceted aluminium for asymmetrical photometric solutions (CA)
- Activated charcoal filter system integrated in the ballast compartment
- Optical assembly enclosed by a regressed, curved tempered glass lens with a silicone gasket, attached to the outer reflector by a hinged and stainless steel latches
- Relamping without need for tools
- Mounting is by horizontal fitting to a 60mm diameter tube.
- Effective projected area: 0.20m<sup>2</sup>
- Approx. weight with ballast: 23 to 27kg
- Place of origin: USA

## Applications

- Roadway junctions and interchanges, parking and other extensive areas, plazas and roundabouts, particularly in those lighting situations that require strict glare control. Recommended height for mounting: 16 to 45m

## Electric Standards & Safety

IP65, optical assembly; Class I

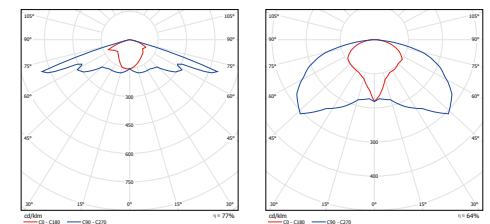


## Order Logic

SKU	Wattage (W)	Source	Distribution	Photometric Curve Number
HMAA40S6A1GSC5	400	HPS	MC2	6288
HMAA40S6A1GMC5	400	HPS	MC5	6289
HMAA40S6A1GSC5*	400	HPS	SC5	6310
HMAA40S6A1GMC2*	400	HPS	MC2	7349
HMAA40S6A1GMC3*	400	HPS	MC3	9311
HMAA40S6A1GMC5*	400	HPS	MC5	6312
HMAA75S6A1GSC5*	750	HPS	SC5	6318
HMAA75S6A1GSC3*	750	HPS	SC3	9417
HMAA75S6A1GMC2*	750	HPS	MC2	7310
HMAA75S6A1GMC3*	750	HPS	MC3	7302
HMAA01S6A1GSC5	1000	HPS	SC5	6294
HMAA01S6A1GMC5	1000	HPS	MC5	6353
HMAA01S6A1GSC5*	1000	HPS	SC5	6323
HMAA01S6A1GMC2*	1000	HPS	MC2	7308
HMAA01S6A1GMC5*	1000	HPS	MC5	6354
HMAA01S6A1GMC2*	1000	HPS	MS2	7307

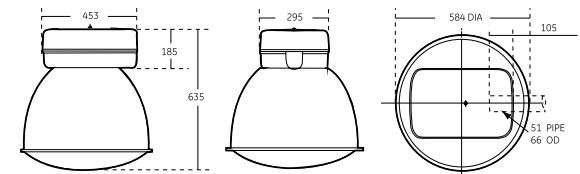
\*Note: Tempered glass Lamps are not included.

## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Suggested Mounting Height (m)	Net Weight (kg)
0.23	Single 12~15 Multiple 24~46	25



# Railway Tunnel

## Specification Features

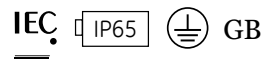
- Die casting AL housing with classical appearance, suitable for different environment
- High purity anodizing AL reflector, provide high light output
- Powder painting RAL9006
- Optional breather, protect reflector from dirty
- Pass wind tunnel test, promise safety in high-speed tunnel (<400km/hr)
- Lamps: HPS 70W, 100W; CMH 70W, 100W; QMH 70W
- Place of origin: China

## Applications

- Common tunnel, high-speed tunnel and other high-speed application

## Electric Standards & Safety

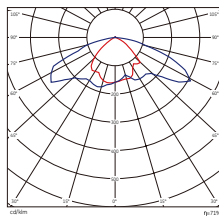
IP65, optical assembly; GB; Class I



## Wind Tunnel Test Report

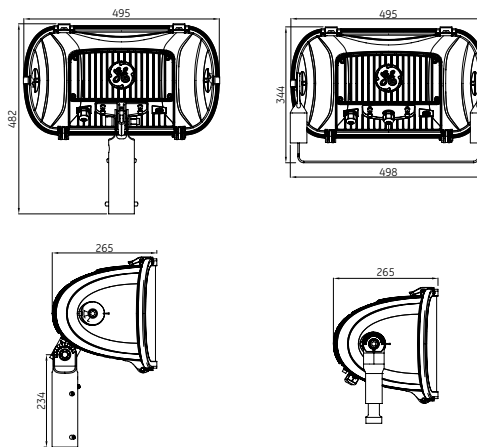


## Photometric Data



## Dimensions

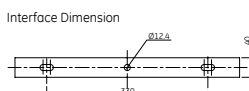
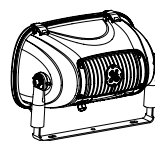
Unit: mm



## Interface

Unit: mm

Wall Mount



Pole Mount



Pole Dimension  
Ø42mm-50mm

## Order Logic

RTW	07	S	8	E40	CA
Product type	Wattage	Lamp	Voltage	Lampholder	Option
RTW=Wall Mount	07=70W	S=HPS	1=240V/60Hz	E40	CA=Cable
RTP=Pole Mount	10=100W	CM=CMH	2=230V/60Hz	Blank=E27	MT=Breather
	15=150W	QM=QMH	3=220V/60Hz		
			6=240V/50Hz		
			7=230V/50Hz		
			8=220V/50Hz		

\* Lamps are not included.



# A Tunnel

## Specification Features

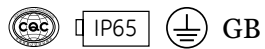
- 2.5mm thick extruded aluminium housing
- High pure anodized aluminium reflector with symmetrical and asymmetrical optics
- 5mm thick toughened glass door with thermal resistant property over 250°C
- Silicon rubber gasket with thermal resistant property over 200°C
- Tool-less opening for easy maintenance and replacement
- Stainless steel connections
- Cable connector ensures the safe maintenance
- Fusing as standard
- Charcoal filter or membrane filter optional
- Place of origin: China

## Applications

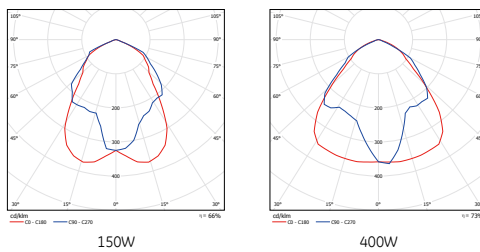
- Tunnels, bypass, roadways, wet locations, low bay use

## Electric Standards & Safety

IP65, optical assembly; GB; Class I

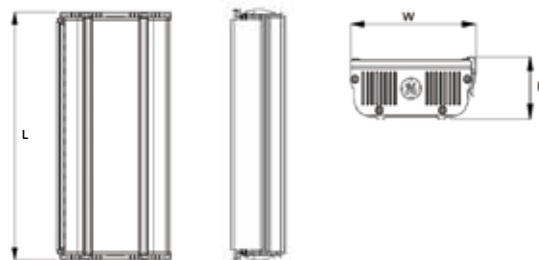


## Photometric Data



## Dimensions

Unit: mm



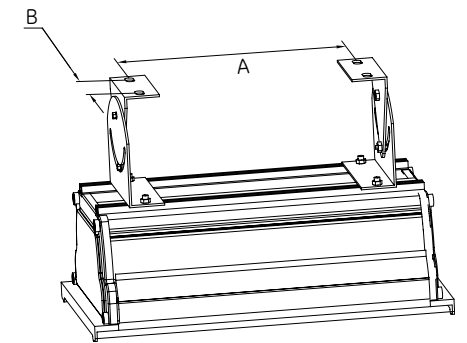
	L (mm)	W (mm)	H (mm)
70W	522	288	135
100W	522	288	135
150W	522	288	135
250W	622	288	135
400W	622	288	135

## Installation



## Mounting Bracket

Bracket has to be ordered separately

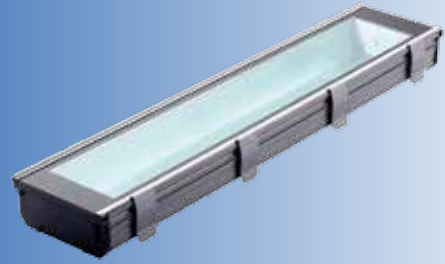


	70/100/150W	250/400W
A(mm)	300 ± 6	400 ± 6
B(mm)	154 ± 6	154 ± 6

## Order Logic

ATUN	25	S	1	SY	H	MF
Product Identity	Wattage	Light Source	Voltage	Optics	Ballast Type	Option
ATUN	07=70W 10=100W 15=150W 25=250W 40=400W	S=HPS M=MH	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz X=all	SY=Symmetrical AS=Asymmetrical	H=W/capacitor	FT=Charcoal Filter CA=Cable

\* Lamps are not included.



# LFL Tunnel

## Specification Features

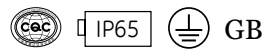
- Streamlined design
- Extruded aluminium housing
- High pure anodized aluminium reflector with symmetrical and asymmetrical optics
- Easy access for lamp maintenance, no tools requirement
- 5mm thick toughened glass door with thermal resistant property over 250°C
- Stainless steel connections
- Silicon rubber gasket with thermal resistant property over 200°C
- Charcoal filter or membrane filter optional
- Place of origin: China

## Applications

- Tunnels, bypass, roadways, wet locations, low bay use

## Electric Standards & Safety

IP65, optical assembly; GB; Class I



## Installation

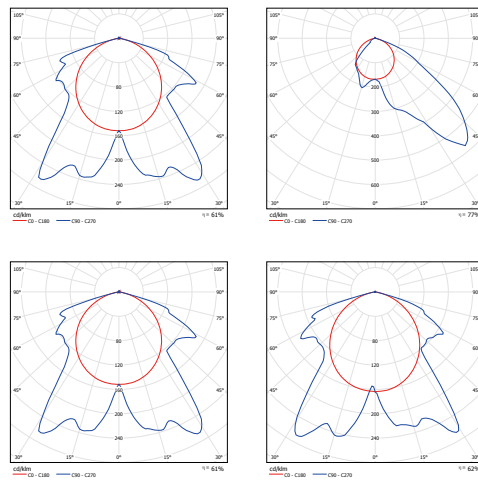
Easy access- No tools required



Installation Height: less than 16m

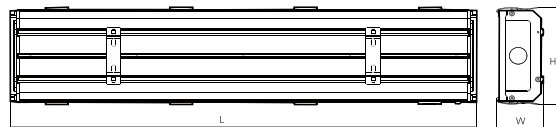


## Photometric Data



## Dimensions

Unit: mm

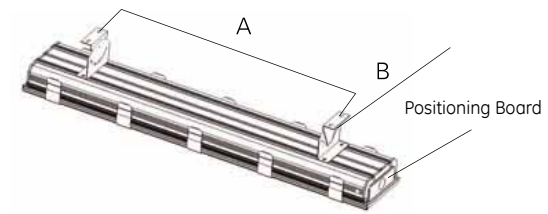


	L (mm)	W (mm)	H (mm)
28W	1314	290	131
36W	1364	290	131
49W	1614	290	131
54W	1314	290	131
58W	1664	290	131

Installation Height: less than 16m

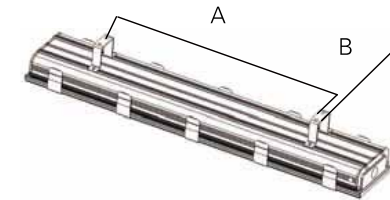
## Adjustable installation

Bracket has to be ordered separately



## Fixing installation

Bracket has to be ordered separately



	28W/36W/54W	49W/58W
A(mm)	770 ± 5	870 ± 5
B(mm)	60 ± 5	60 ± 5

Note: This fixture has both adjustable and fixing installation bracket.

## Order Logic

LTUN	228	EB	X	S	H	FT
Product	Wattage	Ballast Type	Voltage	IES Distribution Type	Reflector Material	Option
LTUN=LFL Tunnel	228=2 × 28W 328=3 × 28W 149=1 × 49W 154=1 × 54W 236=2 × 36W 258=2 × 58W	EB=Electrical Ballast MB=Magnetolectric Ballast	1=240V/60Hz 2=230V/60Hz 3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz X=ALL	S=Symmetrical A=Asymmetrical	H=High Reflectivity L=Low Reflectivity	CA=With Cable

\* Lamps are not included.



# FLOOD LIGHTING



Standard flood



Mini Flood



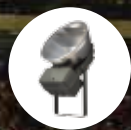
Compact Flood



EF2000



EF2000 plus



ULTRA ★ SPORT



POWR-SPOT III



PF-1000



PF-400



STARFLUX



E-PACT



PF-154



EUROFLUX



Dura Flux



SBN/SBF

Standard flood ----- 86

Mini Flood ----- 88

Compact Flood ----- 89

EF2000 ----- 91

EF2000 plus ----- 93

ULTRA ★ SPORT ----- 95

POWR-SPOT III ----- 97

PF-1000 ----- 99

PF-400 ----- 101

STARFLUX ----- 103

E-PACT ----- 105

PF-154 ----- 106

EUROFLUX ----- 108

Dura Flux ----- 110

SBN/SBF ----- 112





# Standard Flood

## Specification Features

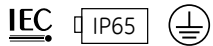
- Modern appearance with tempered camber glass cover
- Lamps: suitable for CMH, QMH, HPS with single end or double end
- Die-cast aluminum housing with electrostatic painting
- High purity anodized aluminum reflector, with symmetric and asymmetric beam options
- Automatic thermal-cut off control gear
- Place of origin: China

## Applications

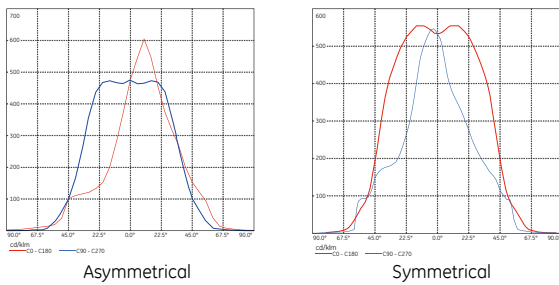
- Parking lots, building security
- Facade, shipping yards, rail yards
- Ports, billboards, etc

## Electric Standards & Safety

IP65, optical assembly; IEC60598-2-5, CISA15, IEC61000-3-2; Class I

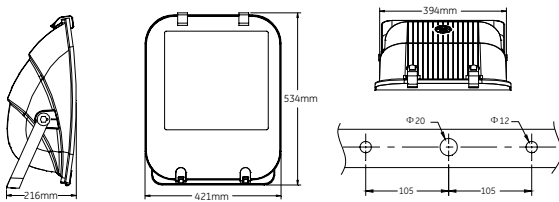


## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Weight (kg)
0.21	5.8-13.8

## Ordering Description

SKU	SKU Description	SKU	SKU Description	SKU	SKU Description	SKU	SKU Description
AF51093	MF15S8MSBASB	AF51113	MF15S7MSBASB	AF51133	MF15M6MSBASB	AF51153	MF15KD3MSBASB
AF51094	MF15S8MSBSMB	AF51114	MF15S7MSBSMB	AF51134	MF15M6MSBSMB	AF51154	MF15KD3MSBSMB
AF51095	MF15M8MSBASB	AF51115	MF15M7MSBASB	AF51135	MF15KD6MSBASB	AF51155	MF25S3MSBASB
AF51096	MF15M8MSBSMB	AF51116	MF15M7MSBSMB	AF51136	MF15KD6MSBSMB	AF51156	MF25S3MSBSMB
AF51097	MF15KD8MSBASB	AF51117	MF15KD7MSBASB	AF51137	MF25S6MSBASB	AF51157	MF25SD3MSBASB
AF51098	MF15KD8MSBSMB	AF51118	MF15KD7MSBSMB	AF51138	MF25S6MSBSMB	AF51158	MF25SD3MSBSMB
AF51099	MF25S8MSBASB	AF51119	MF25S7MSBASB	AF51139	MF25SD6MSBASB	AF51159	MF25KD3MSBASB
AF51100	MF25S8MSBSMB	AF51120	MF25S7MSBSMB	AF51140	MF25SD6MSBSMB	AF51160	MF25KD3MSBSMB
AF51101	MF25M8MHBASB	AF51121	MF25SD7MSBASB	AF51141	MF25KD6MSBASB	AF51161	MF15S2MSBASB
AF51102	MF25M8MHBBSMB	AF51122	MF25SD7MSBSMB	AF51142	MF25KD6MSBSMB	AF51162	MF15S2MSBSMB
AF51103	MF25SD8MSBASB	AF51123	MF25KD7MSBASB	AF51143	MF40S6MSBASB	AF51163	MF15M2MSBASB
AF51104	MF25SD8MSBSMB	AF51124	MF25KD7MSBSMB	AF51144	MF40S6MSBSMB	AF51164	MF15M2MSBSMB
AF51105	MF25KD8MSBASB	AF51125	MF40S7MSBASB	AF51145	MF40M6MHBASB	AF51165	MF15KD2MSBASB
AF51106	MF25KD8MSBSMB	AF51126	MF40S7MSBSMB	AF51146	MF40M6MHBBSMB	AF51166	MF15KD2MSBSMB
AF51107	MF40S8MSBASB	AF51127	MF40M7MHBASB	AF51147	MF40SD6MSBASB	AF51167	MF25S2MSBASB
AF51108	MF40S8MSBSMB	AF51128	MF40M7MHBBSMB	AF51148	MF40SD6MSBSMB	AF51168	MF25S2MSBSMB
AF51109	MF40M8MHBASB	AF51129	MF40SD7MSBASB	AF51149	MF15S3MSBASB	AF51169	MF25SD2MSBASB
AF51110	MF40M8MHBBSMB	AF51130	MF40SD7MSBSMB	AF51150	MF15S3MSBSMB	AF51170	MF25SD2MSBSMB
AF51111	MF40SD8MSBASB	AF51131	MF15S6MSBASB	AF51151	MF15M3MSBASB	AF51171	MF25KD2MSBASB
AF51112	MF40SD8MSBSMB	AF51132	MF15S6MSBSMB	AF51152	MF15M3MSBSMB	AF51172	MF25KD2MSBSMB

## Order Logic

MF	25	S	8	MSB	AS	B
Product Identity	Wattage	Lamp	Voltage	Ballast	Optical	Color
MF=Medium Flood	15=150W 25=250W 40=400W	S=HPS Single Ended M=MH Single Ended KD=MH Double Ended SD=HPS Double Ended	8=220V/50Hz 7=230V/50Hz 6=240V50Hz 3=220V/60Hz 2=230V/60Hz	MSB=Ballast for HPS and ARC Lamp MHB=Ballast for KRC Lamp	AS=Asymmetrical SM=Symmetrical	B=Black GY=Grey

\* Lamps are not included.



Compact Flood

Gearbox(150W compact flood should be used with gearbox.)



## Mini Flood

### Specification Features

- Modern appearance with tempered glass cover
- Front open, easy for operation
- Lamps: suitable for 70W, 100W, 150W CMH, QMH, HPS with single end or double end
- Die-cast aluminum housing with electrostatic painting
- High purity anodized aluminum reflector, with symmetric and asymmetric beam options
- Automatic thermal-cut off control gear
- Place of origin: China

### Applications

- Parking lots
- Shipping yards
- Billboards, etc
- Building security
- Rail yards
- Facade
- Ports

### Order Logic

Product Ident	Wattage	Light Source	Voltage	Ballast	Optic	Color
MIF=Mini Flood	07=70W 10=100W 15=150W	S=HPS lamp M=MH lamp KD=CMH&QMH Double-end lamp	1=240V/60HZ 2=230V/60HZ 3=220V/60HZ 6=240V/50HZ 7=230V/50HZ 8=220V/50HZ	MSB=MSB ballast MHB=MHB ballast	AS=asymmetric SM=Symmetric	B=Black

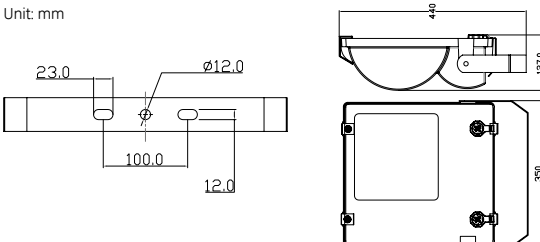
\*AS only for single end lamp

### Ordering Description

SKU Code	Description	SKU Code	Description	SKU Code	Description
AF51250	MIF15S8 MSB ASB	AF51264	MIF15S7 MSB ASB	AF51278	MIF15S6 MSB ASB
AF51251	MIF15S8 MSB SMB	AF51265	MIF15S7 MSB SMB	AF51279	MIF15S6 MSB SMB
AF51252	MIF15M8 MSB ASB	AF51266	MIF15M7 MSB ASB	AF51280	MIF15M6 MSB ASB
AF51253	MIF15M8 MSB SMB	AF51267	MIF15M7 MSB SMB	AF51281	MIF15M6 MSB SMB
AF51254	MIF15KD8 MSB SMB	AF51268	MIF15KD7 MSB SMB	AF51282	MIF15KD6 MSB SMB
AF51255	MIF10S8 MSB ASB	AF51269	MIF10S7 MSB ASB	AF51283	MIF10S6 MSB ASB
AF51256	MIF10S8 MSB SMB	AF51270	MIF10S7 MSB SMB	AF51284	MIF10S6 MSB SMB
AF51257	MIF10S8 MSB ASB E27	AF51271	MIF10S7 MSB ASB E27	AF51285	MIF10S6 MSB ASB E27
AF51258	MIF10S8 MSB SMB E27	AF51272	MIF10S7 MSB SMB E27	AF51286	MIF10S6 MSB SMB E27
AF51259	MIF10M8 MSB ASB E27	AF51273	MIF10M7 MSB ASB E27	AF51287	MIF10M6 MSB ASB E27
AF51260	MIF10M8 MSB SMB E27	AF51274	MIF10M7 MSB SMB E27	AF51288	MIF10M6 MSB SMB E27
AF51261	MIF07S8 MSB ASB	AF51275	MIF07S7 MSB ASB	AF51289	MIF07S6 MSB ASB
AF51262	MIF07S8 MSB SMB	AF51276	MIF07S7 MSB SMB	AF51290	MIF07S6 MSB SMB
AF51263	MIF07KD8 MSB SMB	AF51277	MIF07KD7 MSB SMB	AF51291	MIF07KD6 MSB SMB

### Dimensions

Unit: mm



### Electric Standards & Safety

IP65, optical assembly; IEC60598-2-5, CISPA15, IEC61000-3-2; Class I



## Compact Flood

### Specification Features

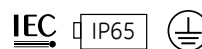
- CMH 35W, 70W & 150W G12 lamp
- Toolless entry for ease of maintenance
- IP65 with Charcoal filter
- Die-cast aluminum housing with electrostatic painting
- Anodized aluminum reflector, with narrow & medium beam options
- Automatic thermal-cut off control gears
- Optional Color Glass
- Place of origin: China

### Applications

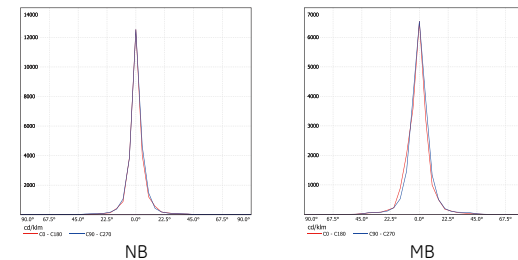
- Highlighting sculptures, trees and various areas in the park
- Signages and buildings
- Landscape, detail lighting, mini billboards

### Electric Standards & Safety

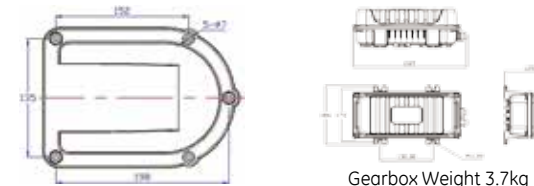
IP65, optical assembly; IEC60598-2-5, CISPA15, IEC61000-3-2; Class I



### Photometric Data



### Dimensions



Effective Projected Area (m <sup>2</sup> )	Weight (kg)
0.03	3.3kg (35W), 3.6kg (70W), 3.0kg(150W)

## Order Logic

### Gearbox Order

EBT	01	8	E
Product	Wattage	Voltage	Ballast
EBT	15=150W	3=220V/60HZ 6=240V/50HZ 7=230V/50HZ 8=220V/50HZ	E=MSB

CF	35	C	8	MSB	NB	B	R
Product	Wattage	Lamp	Voltage	Ballast	Optical	Color	Options (colorful glass)
CF=COMPACT FLOOD	35=35W 70=70W 15=150W	C=CMH	8=220V/50HZ 6=240V/50HZ 7=230V/50HZ 3=220V/60HZ 2=230V/60HZ	MSB=CMH ballast	NB=Narrow Beam MB=Medium Beam	B=Black	R=Red Y=Yellow G=Green B=Blue O=Other

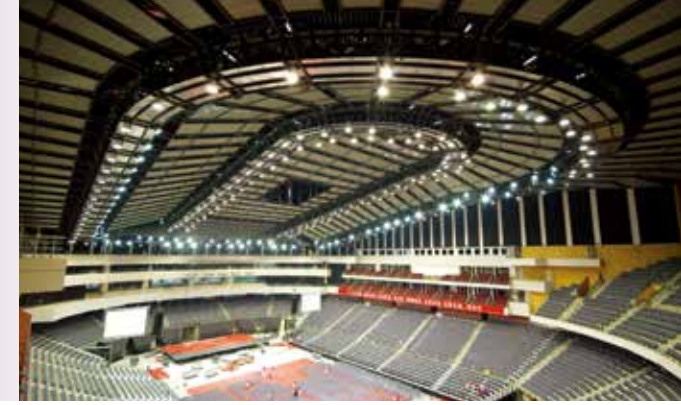
\* Lamps are not included.

## Ordering Description

SKU	SKU Description
AF50914	CF35C8MSBNBB
AF50915	CF35C8MSBMBB
AF50916	CF70C8MSBNBB
AF50917	CF70C8MSBMBB
AF51069	CF15CXMSBNBB
AF51070	CF15CXMSBMBB

## Gearbox

SKU	SKU Description
AF51071	EBT158E
AF51072	EBT157E
AF51073	EBT156E
AF51074	EBT153E
AF51075	EBT152E



# EF2000

## Specification Features

- Die-casting UNI 5076 aluminium with RAL 7038 grey polyester powder paint finish. Painting is done by up-to-date DC galvanization process to maximise anti-corrosive properties
- Control gear box: fibreglass-reinforced polyamid, mechanically fixed to the rear part of body
- Cover glass: 4 mm thick clear tempered glass, resistant against thermal and mechanical shocks. The visor is fixed to the diecasting aluminium frame painted galvanically like the body. An anti-aging silicone gasket is fitted between the body and frame
- Orientation: by means of a graduated scale for correct aiming of the luminaire
- Reflector: 99.85% pure anodized and polished aluminium
- Available for various light distribution
- Rectangular beam, spot and flood in case of E40 capped lamps
- Conical beam, ultra spot, spot, medium, medium-wide & wide in case of double-ended lamps
- Lamp holder: ceramic, with clips to keep the lamp fixed in position
- Installation: by steel bracket painted like the body and provided with 3 mounting holes, 2 (Φ=15 mm) for the lateral and 1 (Φ=22 mm) for central mounting
- Burning position of the lamp axis: horizontal  $\pm 40^\circ$  for double-ended types; any for E40 cap type
- Power supply box CSA: VO self-extinguishing thermoset material
- A hinged door at the rear of the body (include reflector)
- Die-casting aluminium body
- 4mm thick clear tempered glass
- Internal louvers
- A graduated scale for correct aiming of the luminaire
- Place of origin: EU

## Applications

- Sports lighting and extensive areas such as stadiums, recreational areas, airport aprons, racecourses, open-area car parks, etc. High-roofed large premises such as sports pavilions.

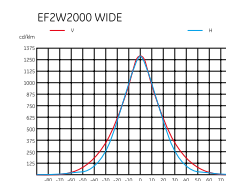


Taipei Multifunctional Gymnasium



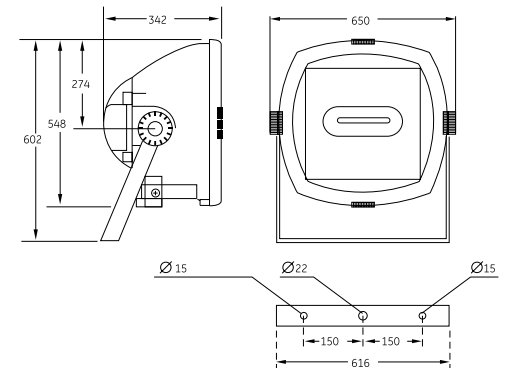
Taejon stadium in Korea

## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m<sup>2</sup>)

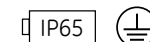
0.295

Net Weight (kg)

Lights: 16kg  
Electrical: 19kg (2000W)  
15kg (1000W)  
28kg (Hot Restrike)

## Electric Standards & Safety

IP65, optical assembly: Class I



## Ordering Description

### Double-Ended Metal Halide

SKU	SKU Description	Include Source	Recommended Lamp	Distribution	Wattage (W)
513023	EF2 US 1000 DOUBLE ENDED S/LAMP	no	HQI-TS 1000 W/D/S	Super Narrow	1000
513050	EF2 S 1000 DOUBLE ENDED S/LAMP	no	HQI-TS 1000 W/D/S	Narrow	1000
513051	EF2 MS 1000 DOUBLE ENDED S/LAMP	no	HQI-TS 1000 W/D/S	Medium Narrow	1000
513024	EF2 M 1000 DOUBLE ENDED S/LAMP	no	HQI-TS 1000 W/D/S	Medium	1000
513025	EF2 MW 1000 DOUBLE ENDED S/LAMP	no	HQI-TS 1000 W/D/S	Medium-Wide	1000
513026	EF2 W 1000 DOUBLE ENDED S/LAMP	no	HQI-TS 1000 W/D/S	Wide	1000
513032	EF2 US 2000 DOUBLE ENDED S/LAMP	no	HQI-TS 2000 W/D/S	Super Narrow	2000
513029	EF2 S 2000 DOUBLE ENDED S/LAMP	no	HQI-TS 2000 W/D/S	Narrow	2000
513052	EF2 MS 2000 DOUBLE ENDED S/LAMP	no	HQI-TS 2000 W/D/S	Medium Narrow	2000
513030	EF2 M 2000 DOUBLE ENDED S/LAMP	no	HQI-TS 2000 W/D/S	Medium	2000
513031	EF2 MW 2000 DOUBLE ENDED S/LAMP	no	HQI-TS 2000 W/D/S	Medium-Wide	2000
513042	EF2 W 2000 DOUBLE ENDED S/LAMP	no	HQI-TS 2000 W/D/S	Wide	2000

### Single-Ended Metal Halide

SKU	SKU Description	Include Source	Recommended Lamp	Distribution	Wattage (W)
513063	EF2 M 1000 M E40 S/LAMP	no	SPL1000/T/H/960/E40	Medium	1000
513065	EF2 W 1000 M E40 S/LAMP	no	SPL1000/T/H/960/E40	Wide	1000

### Single-Ended HPS

SKU	SKU Description	Include Source	Recommended Lamp	Distribution	Wattage (W)
513064	EF2 M 1000 S E40 S/LAMP	no	LU1000/110/T/40	Medium	1000
513066	EF2 W 1000 S E40 S/LAMP	no	LU1000/110/T/40	Wide	1000

### General Ballast Housing

SKU	SKU Description	Include Source	Recommended Lamp	Distribution	Wattage (W)
590098	C/E HAL1000 9,5A IP65 S/ARR	-	-	-	1000
590115	OL CSA CSAM1000 HPPF220V/50Hz No_IGNIT	-	-	-	1000
590089	C/E HAL2000 400V 10,3A IP65 S/ARR	-	-	-	2000

### Hot Restrike Double-Ended Metal Halide

SKU	SKU Description	Include Source	Recommended Lamp	Distribution	Wattage (W)
513053	EF2 US 1000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS1000W/D/S/230/K12S HRR	Super Narrow	1000
513054	EF2 S 1000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS1000W/D/S/230/K12S HRR	Narrow	1000
513055	EF2 MS 1000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS1000W/D/S/230/K12S HRR	Medium Narrow	1000
513049	EF2 M 1000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS1000W/D/S/230/K12S HRR	Medium	1000
513056	EF2 MW 1000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS1000W/D/S/230/K12S HRR	Medium-Wide	1000
513057	EF2 W 1000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS1000W/D/S/230/K12S HRR	Wide	1000
513058	EF2 US 2000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS2000W/D/S/400/K12S HRR	Super Narrow	2000
513059	EF2 S 2000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS2000W/D/S/400/K12S HRR	Narrow	2000
513060	EF2 MS 2000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS2000W/D/S/400/K12S HRR	Medium Narrow	2000
513048	EF2 M 2000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS2000W/D/S/400/K12S HRR	Medium	2000
513061	EF2 MW 2000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS2000W/D/S/400/K12S HRR	Medium-Wide	2000
513062	EF2 W 2000 HRR DOUBLE ENDED S/LAMP	no	HRI-TS2000W/D/S/400/K12S HRR	Wide	2000

### Hot Restrike Ballast Housing

SKU	SKU Description	Include Source	Recommended Lamp	Distribution	Wattage (W)
590117	C/E HAL1000 9,5A IP65 S/ARR HRR	-	-	-	1000
590118	C/E HAL2000 400V 10,3A IP65 S/ARR HRR	-	-	-	2000



## EF2000 Plus

### Specification Features

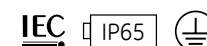
- Streamline and aesthetic shape, patented industry design
- Max. wattage: 2000W, suitable with 2000W/1000W double ended short arc lamp, 1000W single ended MH/HPS lamp. Could use Ra>90 lamp for best quality lighting
- Suitable for wet location. Integral IP Class is IP65, using lower vapor and anti-aging silicon rubber gasket, equipped with advanced ePTFE membrane filter and charcoal filter to ensure the best insulation effect and increase products reliability
- High pressure die-casting aluminium fixture body, advanced inner and outside powder coating to ensure best anticorrosion quality
- Remote high pressure die-casting aluminium gear box with thermal protected ballast, which could switch off the circuit when the lamp died
- High purity aluminium (99.85%) anodized reflector to offer kinds of photometric curves  
Round shape reflector: ultra-spot, spot, extra spot, spotmedium, medium, medium-wide, wide, extra-wide, ultra-wide  
Rectangular shape reflector: medium and wide
- Stainless mesh to ensure the safety
- Optional internal glare/spill control
- Optional 4mm micro-crystal glass, strongly against thermal shock, anti-UV
- Optional outside visor
- Place of origin: China

### Applications

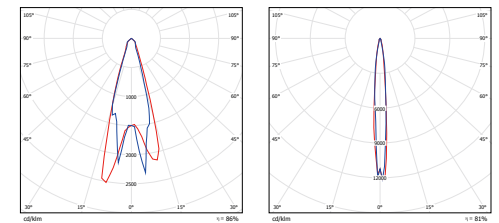
- Stadium and other large area lighting fields. Stadium or gymnasium with best lighting quality, best glare control and best color rendering for broadcasting
- Large facade lighting projects

### Electric Standards & Safety

IP65, optical assembly; IEC60598-2-5, CISPA15, IEC61000-3-2; Class I

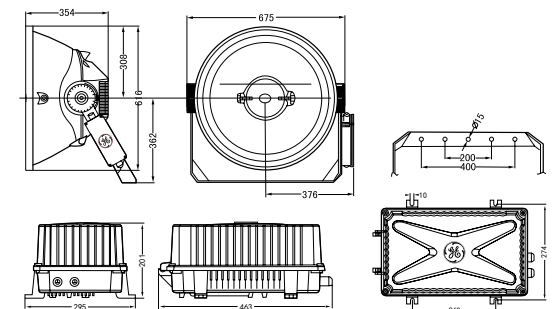


### Photometric Data



### Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Net Weight (kg)
0.33	Lights: 19.5kg Electrical: 18.8kg (2000W) 13kg (1000W)

### Detail



A Graduated Scale for Correct Aiming of the Luminaries



A Hinged Door at the Rear of Body



Gear Box



Commission Tools

## Order Logic

### Ordering Description

EP	O2	M1	S	GR	UP
Product Identification	Wattage	Light Source	Photometric Curve	Color	Options
EP=EF2000 Plus EE=EF2000 Plus without Lamp	O2=2000W O1=1000W	S1=HPS 1000W E40 M1=MH 1000W E40 M2=MH 1000W Double Ended M3=MH 2000W Double Ended	US=Ultra-spot S=Spot ES=Extra-spot SM=Spot-medium M=Medium MW=Medium-wide W=Wide EW=Extra-wide UW=Ultra-wide	GR=Grey	UP=UP Version (2000W) DW=Down Version(2000W)

### Gear Box

BT	O2	8	E
Product Identification	Wattage	Voltage	Ballast Type
BT	O2=2000W O1=1000W	3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz A=380V/50Hz B=380V/60Hz C=415V/50Hz D=400V50Hz	E=MSB H=MHB

### Accessory SKU

AF50513	Commission tools
AF50514	EF2000 Plus Visor

### Gear Box SKU

AF50849 BT018E	AF50851 BT02AH
AF50850 BT013E	AF50852 BT02BH
AF50853 BT016E	AF50854 BT02CH
AF50855 BT017E	AF50856 BT02DH

### Fixture SKU

SKU	SKU Description	SKU	SKU Description	SKU	SKU Description
AF50783	EE01M2USGR	AF50805	EE02M3USGRDW	AF50827	EE02M3USGRUP
AF50784	EE01M2SGR	AF50806	EE02M3SGRDW	AF50828	EE02M3SGRUP
AF50881	EE01M2ESGR	AF50883	EE02M3ESGRDW	AF50884	EE02M3ESGRUP
AF50785	EE01M2SMGR	AF50807	EE02M3SMGRDW	AF50829	EE02M3SMGRUP
AF50786	EE01M2MGR	AF50808	EE02M3MGRDW	AF50830	EE02M3MGRUP
AF50787	EE01M2MWGR	AF50809	EE02M3MWGRDW	AF50831	EE02M3MWGRUP
AF50788	EE01M2WGR	AF50810	EE02M3WGRDW	AF50832	EE02M3WGRUP
AF50789	EE01M2EWGR	AF50811	EE02M3EWGRDW	AF50833	EE02M3EWGRUP
AF50790	EE01M2UWGR	AF50812	EE02M3UWGRDW	AF50834	EE02M3UWGRUP
AF50794	EP01M2USGR	AF50816	EP02M3USGRDW	AF50838	EP02M3USGRUP
AF50795	EP01M2SGR	AF50817	EP02M3SGRDW	AF50839	EP02M3SGRUP
AF50882	EP01M2ESGR	AF50885	EP02M3ESGRDW	AF50886	EP02M3ESGRUP
AF50796	EP01M2SMGR	AF50818	EP02M3SMGRDW	AF50840	EP02M3SMGRUP
AF50797	EP01M2MGR	AF50819	EP02M3MGRDW	AF50841	EP02M3MGRUP
AF50798	EP01M2MWGR	AF50820	EP02M3MWGRDW	AF50842	EP02M3MWGRUP
AF50799	EP01M2WGR	AF50821	EP02M3WGRDW	AF50843	EP02M3WGRUP
AF50800	EP01M2EWGR	AF50822	EP02M3EWGRDW	AF50844	EP02M3EWGRUP
AF50801	EP01M2UWGR	AF50823	EP02M3UWGRDW	AF50845	EP02M3UWGRUP



# ULTRA ★ SPORT

## Specification Features

- High reflectance coated glass primary reflector, ALGLAS finish on 20-inch (508mm) diameter aluminium front secondary reflector
- Optional internal glare/spill light control arc cutoff skirts
- Rear re-lamping door with corrosion-resistant fasteners and lamp power disconnect
- Broken glass shutdown circuit
- Optional instant hot restart
- Compact die-casting aluminium integral ballast housing with thermally isolated optical
- Utilizes advanced 2000 watt, 1500 watt double-ended metal halide lamps
- Hydro★Gard advanced filtering system
- Remote ballast system available-contact factory
- Magnapack packaging available
- Place of origin: USA

## Applications

- IESNA Class III to major stadiums where premium quality lighting and excellent glare control are required
- Large stadiums and indoor arenas where color TV (CTV) recording and broadcasting will be common and excellent color and vertical illumination are required
- Sports fields and arenas where optional instant hot restart is desired

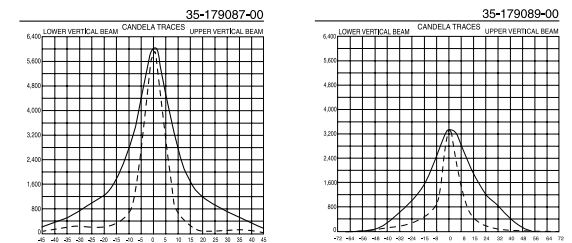
## Electric Standards & Safety

UL 1598 listed, suitable for wet locations; Class I



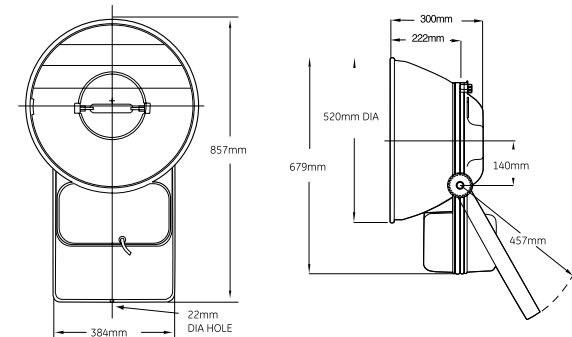
Indonesia Borobudur stupa

## Photometric Data



## Dimensions

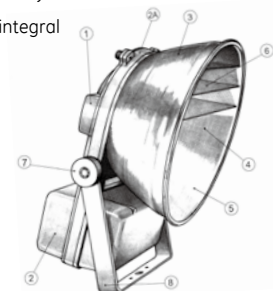
Unit: mm



Effective Projected Area (m²)	Net Weight (kg)
0.29	Lights: 25~34

## Components

1. Rear relamping door (contains primary reflector)
2. Die-casting ballast housing with integral optical support(2A)
3. Heavy duty optical casing
4. Secondary reflector
5. Tempered flat glass
6. Internal glare control skirts (on option)
7. Aiming degree indicator
8. Trunnion



## Order Logic

### Double-ended metal halide lamp

ULTS	O2	M	6	A	M02	P
Product Identity	Wattage	Source	Voltage	Ballast Type	Optical	Options
ULTS=Ultra★Sport (See Note #1)	15=1500W 02=2000W	M=MH Note: Lamp Orientation	60Hz 0=120/208/ 240/277	See Ballast and Photometric Selection Table	SO1=Stadium Oval without Internal Glare Control (NEMA 4 × 2) SO2=Stadium Oval with Internal Glare Control (NEMA 4 × 2)	F=Fusing(Not Available with Multivolt nor with Instant Hot Restart)
ULTK= Ultra★Sport with Instant Hot Restart (See Note #1,4,5)		is Horizontal ± 4 Degrees Standard: Lamp Installed in Socket.	Multivolt 1=120 2=208 3=240 4=277 5=480 D=347 T=220	A=Autoreg B=System 2 Bi-Level Controls Autoreg (See Technical Section) Note: Not Available with ULTK,ULTR, or ULTT (Hot Restart) K=Hot Restart for ULTE	M01=Medium Oval without Internal Glare Control (NEMA 4 × 2) M02=Medium Oval with Internal Glare Control (NEMA 4 × 2) W01=Wide Oval without Internal Glare Control (NEMA 5 × 3) W02=Wide Oval with Internal Glare Control (NEMA 5 × 3)WW1=Extra Wide Oval with Internal Glare Control (NEMA 5 × 4) WW2=Extra Wide Oval with Internal Glare Control (NEMA 5 × 4)	P=Pre-Wired with 6-ft (2m,14/3in.)
ULTR=Ultra★Sport Indoor Remote Ballast (See Note #2)						
ULTE=Ultra★Sport with Integral Encapsulated Ballast.(See Note #3)						

Note: 2000 watt Remote  
Ballast version is non-UL.

Note:

1. Outdoor use only
2. Max 55°C ambient
3. Contact factory
4. Must have "P" option.
5. Multivolt not offered.

Note: Pls contact GE sales for any other color request  
\* Lamps are not included.

## Beam angle

Optical	IES Type	1/10 I <sub>max</sub> (H × V)	Curve Number
SO1	4 × 2	61 × 21	179085
SO2	4 × 2	65 × 22	179086
M01	4 × 2	64 × 24	179087
M02	4 × 2	70 × 24	179088
W01	5 × 3	81 × 38	179089
W02	5 × 3	81 × 37	179090
WW1	5 × 4	73 × 53	179412
WW2	5 × 4	74 × 54	179413

## POWR-SPOT III

### Specification Features

- Die-casting aluminium ballast housing with acrylic electrocoat gray paint finish inside and out
- Enclosed, gasketed, filtered optical with ALGLAS finish on aluminium reflector and tempered glass closure
- Thermal separation of ballast from socket and lamp
- Removable cover for access to ballast and wiring compartment
- No-weep-hole condensate drain when aimed down
- Built-in cable and strain relief bushing
- Heavy gauge steel trunnion with aiming reset stop
- Mogul base socket-E39 standard with lamp stabilizer 1000&1500 watt
- Corrosion-resistant hardware
- Position oriented socket available for "minimum" tilt factor lamp-contact factory
- Field convertible glare reduction available. See accessories
- Remote ballasted system available-contact factory
- Place of origin: USA

### Applications

- Recreational and competition sports fields at all levels
- General flood lighting where revolving reflectors are needed



Tian'an men Square



Monument to the People's Heroes



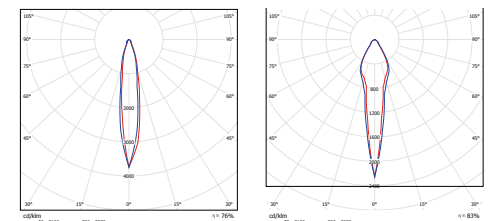
Great Hall of the People in Beijing

### Electric Standards & Safety

UL 1598 listed, suitable for wet locations; Class I

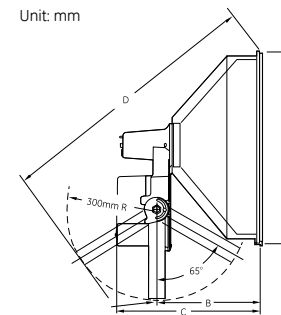


### Photometric Data



### Dimensions

Unit: mm



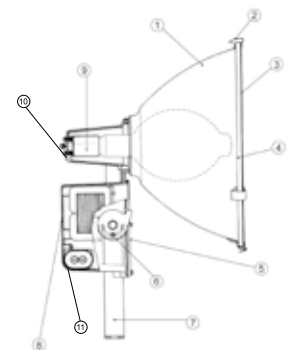
Effective Projected Area(m <sup>2</sup> )	Net Weight (kg)
0.28	25~29

22mm DIA HOLE

Optical	A	B	D
22in(559mm)	584mm	316mm	872mm
20in(508mm)	526mm	319mm	795mm

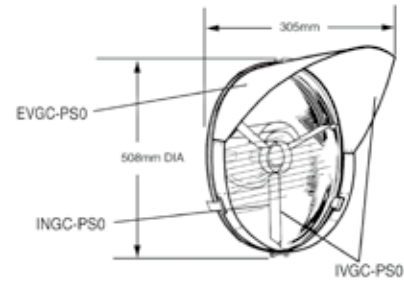
### Components

- 1.Reflector
- 2.Door latches
- 3.Tempered flat glass
- 4.Silicone gasket
- 5.Ballast housing cover
- 6.Aiming degree indicator
- 7.Trunnion
- 8.Ballast housing
- 9.Lamp socket
- 10.Scupper(when aiming up)
- 11.Scupper(when aiming up)



## Anti-glare accessory

EVGC-PSFB  
INGC-PSO



## Photometric Selection Table

		Photometric Selection Table (1/10 max (horizontal × vertical))					
Source	Wattage	22inch(559mm)		20inch(508mm)			
		1=1 × 1	2=2 × 2	3=3 × 3	4=4 × 4	5=5 × 5	6=6 × 6
HPS	400W	175663 (12 × 12)	175664 (20 × 20)	177613 (38 × 34)	179262 (51 × 47)	177463 (61 × 57)	N/A
	750W	N/A	179186	N/A	178177 (67 × 64)	178178 (77 × 76)	178179 (110 × 107)
MH	400W	179871 (13 × 12)	175952 (27 × 27)	177468 (33 × 29)	179677 (60 × 48)	177466 (84 × 84)	N/A
	1000W	N/A	452777 (23 × 23)	452778 (40 × 42)	452779 (55 × 57)	452782 (85 × 79)	452781 (109 × 111)
	1500W	N/A	452746 (23 × 22)	452739 (44 × 44)	452740 (60 × 59)	452741 (70 × 68)	452744 (107 × 107)

## Order Logic

### Whole Order

PSFA	51	M	6	A	1	2	HD2
Product Identity	Wattage	Light Source	Voltage	Ballast Type	Trunnion Type	Nema Type Beam Spread Horiz × Very	Optical Reflector
PSFA-POWR-SPOT III	40=400W 75=750W 01=1000W 51=1500W	S=HPS M=MH	6=220V, 50Hz Y=240V, 50Hz T=220V, 60Hz	A=Autoreg	1=Straight	1=1 × 1 2=2 × 2 3=3 × 3 4=4 × 4 5=5 × 5 6=6 × 6	HD0=Heavy Duty 20 in. HD2=Heavy Duty 22 in. GP0=General Purpose 20in. GP2=General Purpose 22 in.

\* Lamps are not included.

### Ballast Box Order

PSFD	51	M	6	A	1
Product Identity	Wattage	Source	Voltage	Ballast Type	Trunnion Type

### Optical Part Order

PSFB	C	HDO					
Product Identity	Optical Component (Refer to below table)	Reflector Selection					
Optical Component	MH	HPS			Reflector Selection		
Logic	1500W	1000W	400W	1000W	400W	750W	
A	2	2	1	N/A	N/A	N/A	HD2 or GP2
B	3	3	3	N/A	3	3	GP0 or HDO
C	4	4	3	N/A	4	4	
D	5	5	N/A	N/A	5	5	
E	6	6	6	5	6	6	

Note: N/A=not available could order whole fixture or separately, please check with sales before order.



## PF-1000

### Specification Features

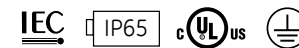
- Heavy-duty (NEMA) die-casting housing
- Total front access via hinged and removable door
- Enclosed, gasketed and sealed, and activated-charcoal filtered optical assembly
- Heavy-gauge galvanized steel trunnion
- Corrosion resistant hardware
- Sight track for daytime aiming
- Aiming degree indicator
- NEMA lamp/wattage decal
- Mogul base socket-E39 standard
- Internal glare shield with cutoff optic performance(HPS only)-see accessories
- Vertical and horizontal lamp orientations
- Terminal board
- Heat and shock resistant tempered glass lens
- Place of origin: USA; China

### Applications

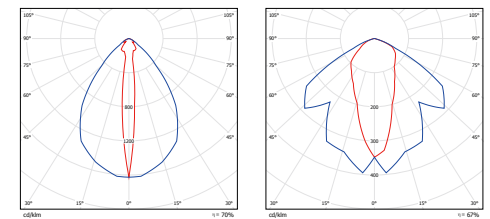
- Parking lots, industrial yards and sports stadiums
- Construction sites, high mast roadway interchanges, car lots and airport aprons

### Electric Standards & Safety

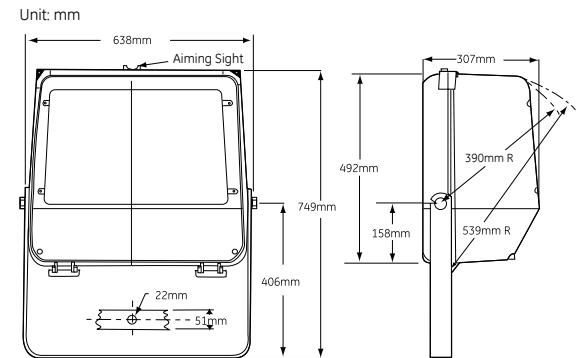
UL 1598 listed, suitable for wet locations; IP65; IEC61000-3-2; Class I



### Photometric Data



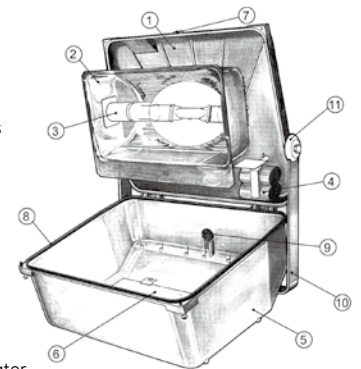
### Dimensions



Effective Projected Area (m²)	Net Weight (kg)
0.29	Lights: 25~34

### Components

- 1.Housing
- 2.Reflector
- 3.Lamp socket
- 4.Electrical components
- 5.Door
- 6.Tempered flat glass
- 7.Aiming sight
- 8.Silicone gasket
- 9.Charcoal filter
- 10.Trunnion
- 11.Aiming degree indicator





## Order Logic

PF1K	01	S	6	A	1	6 × 2	DB	P
Product Identity	Wattage	Source	Voltage/Wattage	Ballast Type	PE Function	Photometric Selection	Color	Options
*PF1K=PF-1000 powerflood flood light	75=750W 01=1000W	S=HPS M=MH Standard: Lamp Not Included.	6=220V, 50Hz	See Ballast and Photometric Selection Table A=Autoreg M=Mag-Reg	1=None	See Ballast and Photometric Selection Table. 6 × 2 6 × 3 6 × 5 6 × 6 6 × 7 7 × 7 7 × 6 (Vertical Lamp)	DB=Dark Bronze (Standard) GR=Grey	P=Prewired with 6ft(2M) #14/3
AF1K=PF-1000 plus								

\*Note: US version is available  
Lamps are not included.

## Photometric Table

Wattage	Lamp	IES Type	1/10 I <sub>max</sub> (H × V)	Curve Number
750W	HPS	6 × 5	102 × 78	9537
		6 × 6	127 × 108 (lamp vertical mounting)	9867
		7 × 7	132 × 143	8681
1000W	HPS	6 × 2	106 × 20	7749
		6 × 3	108 × 37	7748
		6 × 5	109 × 81	7799
		7 × 6	133 × 117 (lamp vertical mounting)	9857
		7 × 7	135 × 145	7746
1000W	MH	7 × 7	139 × 139	9497
		7 × 6	135 × 112 (lamp vertical mounting)	9499
		6 × 5	121 × 98	9498



## PF-400

### Specification Features

- Suitable for wet locations, UL listed
- Die-casting aluminium housing with electrocoat paint finish
- Enclosed, gasketed and activated-charcoal filtered optical assembly
- Formed aluminium reflector with ALGLAS finish
- Heavy duty steel trunnion with degree indicator
- Built-in "Sight-Track", quick aiming sight
- Tray mounted ballast available
- Heat and shock resistant tempered glass lens
- Front access via hinged/removable door
- Corrosion-resistant external hardware
- Terminal board
- Mogul base socket-E39 standard
- Place of origin: USA

### Applications

- Parking lots, building security, building facade, shipping yards, rail yards, and many more flood lighting applications
- Engineered for situations requiring high performance and varied optics

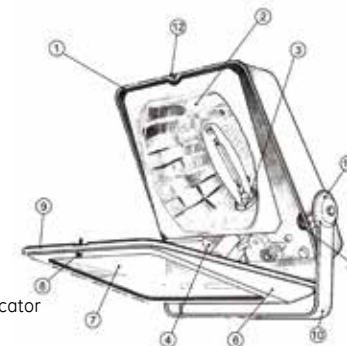
### Electric Standards & Safety

UL 1598 listed, suitable for wet locations; Class I

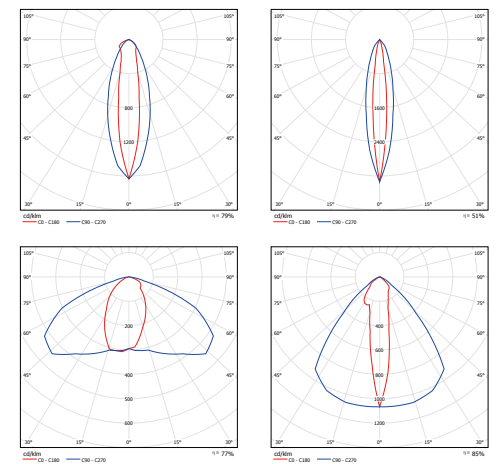


### Components

1. Housing
2. Reflector
3. Lamp rocket
4. Ballast
5. Charcoal
6. Door
7. Tempered flat glass
8. Door screw
9. Silicone gasket
10. Trunnion
11. Aiming degree indicator
12. Aiming sight

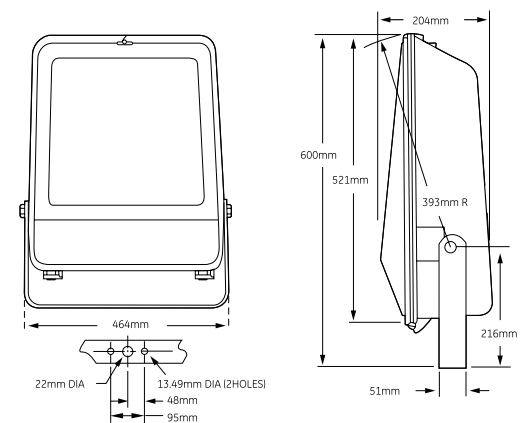


### Photometric Data



### Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Suggested Mounting Height(m)	Net Weight (kg)
0.14	6~8	20

## Order Logic

PF4S	01	S	6	A	1	6 × 5	DB	P
Product Identity	Wattage	Source	Voltage	Ballast Type	PE Function	Photometric Selection	Color	Options
PF4S=PF-400	15=150W(55V)	S=HPS	60Hz	See Ballast Selection Table	1=None	See NEMA Type from Photometric Selection Table.	DB=Dark Bronze (Standard)	B=Time Delay Automatically Switched Quart.
Standard	17=175W	M=MH	0=120/208/240/277		2=PE Receptacle			F=Fusing (Not Available with Multivolt or 120x347V)
PF4T=PF-400	20=200W	Standard:	240/277		Note: Receptacle Connected Same Voltage as Unit.	Example: 6 × 6=6 × 6	GR=Grey	G=Top Trunnion
with Tray Mounted Ballast	24=250/400W*	Lamp not Included.	Multivolt	A=Autoreg				J=Line Surge Protector, Expulsion Type PF4S' only
	25=250W		1=120	M=Mag-Reg with Grounded				K=Knuckle Slipfitter for 1.9 -2.38 inch (48- 60mm) OD Tenon
	40=400W		2=208					L=Latch for Door
Note: 200-400W Mag - Reg Not Availavle on Tray.	*Connected for 250W		3=240	Socket Shell	Order PE Control Separately.			P=Prewired with 6ft(2M) #14/3
			4=277	H=HPF Reactor or Lag				Q=Non-Time Delay Automatically Switched Quartz
			5=480					S=Knuckle Slipfitter for 1.9-3.0 in.(48-76mm) OD Tenon
			D=347	K=Hot Restart (Must Order "P" Option) Non-UL				V=Knuckle Wall Mount
			F=120 × 347*					Y=Dual Wattage Units Connect Higher Wattage
			T=220	M=Mag-Reg or Lag				
			50Hz	N=NPF Reactor or Lag				
			6=220					
			R=230	P=CWI with Grounded				
			Y=240**					
			*Connected for 120V	Socket Shell				

\* Lamps are not included.

## Photometric Table

Wattage	Source	IES type 1/10 I <sub>max</sub> (horizontal × vertical)	Curve Number
Lamp Orientation		Vertical	Horizontal
250W, 400W	HPS	7 × 6 (154 × 126)	7632
		6 × 6 (127 × 119)	7481
		6 × 5 (114 × 92)	7699
		6 × 4 (101 × 67)	7487
		5 × 4 (82 × 63)	7473
		4 × 2 (61 × 25)	7475
250W	MH	3 × 2 (38 × 17)	7494
		4 × 4 (50 × 47)	7490
		4 × 2 (64 × 3)	7500
		6 × 6 (114 × 113)	7496
400W	MH	7 × 6 (131 × 110)	7478
		6 × 5 (109 × 80)	7484
		4 × 4 (55 × 55)	7470
		3 × 2 (31 × 24)	7474



# STARFLUX

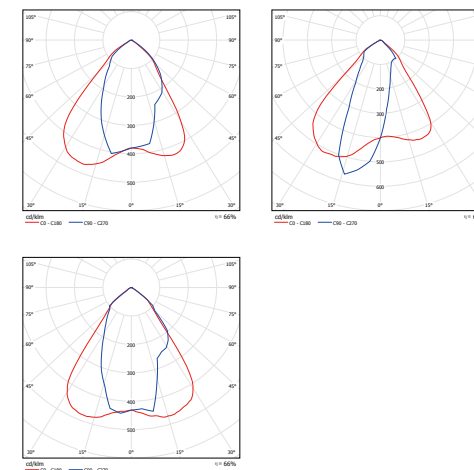
## Specification Features

- Suitable for wet locations
- Die-casting housing with electrocoat paint finish
- Enclosed, gasketed and activated-charcoal filtered optional
- Heavy duty steel trunnion with degree indicator
- High purity aluminium reflector with anodized finish for symmetric and asymmetric beam distributions
- Heat and shock resistant tempered glass
- Front access via hinged door
- Wide range lamps be selected both single end & double end
- Place of origin: China

## Applications

- Parking lots, building security, building facade, shipping yards, rail yards, and many more flood lighting applications

## Photometric Data



## Electric Standards & Safety

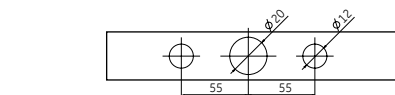
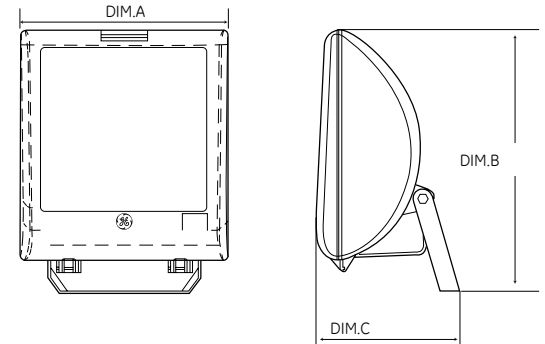
IP65; IEC61000-3-2; Class I



## Dimensions

Unit: mm

	TPLF	TPSF
DIM. A	416 mm	308 mm
DIM. B	528 mm	374 mm
DIM. C	285 mm	220 mm



	TPLF	TPSF
TPLF	16.2 (400W)	0.2
	14.2 (250W)	
TPSF	7.2 (70W)	0.1
	7.8 (150W)	

## Order Logic

TPSF	7	KD	8	MSB	AS	B
Product Identity	Wattage	Source	Voltage	Ballast Type	Optical	Color
TPLF=Starflux Larger Housing	07=70W	S=HPS	8=220V/50Hz	MSB=HPS and Metal Halide	AS=Asymmetrical	B=Black
TPSF=Starflux Smaller Housing	10=100W	M=MH	7=230V/50Hz	Lamp(ARC)	SM=Symmetrical	
	15=150W	KD=CMH & QMH	6=240V/50Hz	MHB=Mercury and Metal		
	25=250W	(Double Ends)	3=220V/60Hz	Halide Lamp(KRC)		
	40=400W		2=230V/60Hz			

\* Lamps are not included.

## Ordering Description

SKU	SKU Description	SKU	SKU Description
19297	TPSF 07KD8 MSB ASB	19308	TPSF15S8 MSB ASB
19299	TPSF 07KD8 MSB SMB	19309	TPSF15S8 MSB SMB
19295	TPSF 07S8 MSB ASB	19415	TPLF15M8 MSB ASB
19296	TPSF 07S8 MSB SMB	19416	TPLF15M8 MSB SMB
19289	TPSF10S8 MSB ASB	19402	TPLF15S8 MSB ASB
19290	TPSF10S8 MSB SMB	19405	TPLF15S8 MSB SMB
AF50488	TPSF10S8 MSB ASB E27	19275	TPLF25M8 MHB ASB
AF50489	TPSF10S8 MSB SMB E27	19277	TPLF25M8 MHB SMB
AF50490	TPSF10M8 MSB ASB E27	19401	TPLF25S8 MSB ASB
AF50491	TPSF10M8 MSB SMB E27	19404	TPLF25S8 MSB SMB
19312	TPSF15KD8 MSB ASB	19407	TPLF40M8 MHB ASB
19313	TPSF15KD8 MSB SMB	19414	TPLF40M8 MHB SMB
19310	TPSF15M8 MSB ASB	19400	TPLF40S8 MSB ASB
19311	TPSF15M8 MSB SMB	19403	TPLF40S8 MSB SMB

(Note: the above is the SKU list for 220V/50Hz only. Please contact factory for the other voltages.)



## E-PACT

### Specification Features

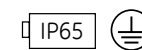
- Wet location suitable, ePTEE membrane filter to ensure IP65
- Thermal cut-off ballast to ensure system safety when end of lamp life
- Reflector: 99.85% pure anodized and polished aluminium
- Symmetrical & Asymmetrical optical beam
- Suitable for high mast
- Lamp: 1000W MH/HPS
- Place of origin: China

### Applications

- Parking lots, industrial yards, airport aprons, and sports stadiums
- High mast lighting

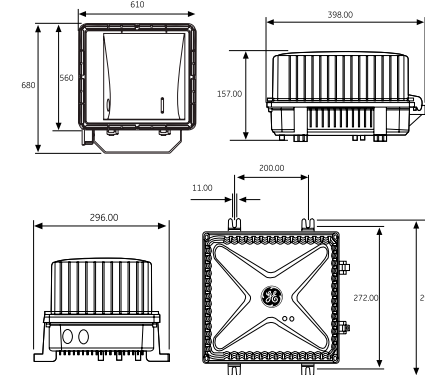
### Electric Standards & Safety

IP65; Class I



### Dimensions

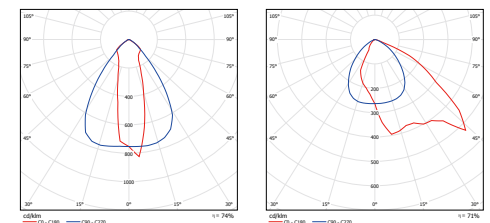
Unit: mm



Effective Projected Area (m<sup>2</sup>)      Net Weight (kg)

0.342      Lights: 19  
Electrical: 13.5

### Photometric Data



### Order Logic

#### Fixture

EF1K	01	M	AS	GR
Product Identification	Wattage	Light	Photometric Data	Color
EF1K=E-PACT	01=1000W	S=HPS 1000W E40 M=MH 1000W E40	SM= Symmetrical AS= Asymmetrical	GR=Grey

\* Lamps are not included.

#### Gear Box

EBT	01	8	E
Product Identification	Wattage	Voltage	Ballast Type
EBT	01=1000W	3=220V/60Hz 6=240V/50Hz 7=230V/50Hz 8=220V/50Hz	E=MSB

### Ordering Description

#### Fixture

SKU	SKU Description
AF50546	EF1K01SASGR
AF50547	EF1K01SSMGR
AF50548	EF1K01MASGR
AF50549	EF1K01MSMGR

#### Gear Box

SKU	SKU Description
AF50542	EBT013E
AF50543	EBT016E
AF50544	EBT017E
AF50545	EBT018E



# PF-154

## Specification Features

- Suitable for wet locations
- Heavy duty die-casting aluminium housing
- Enclosed, gasketed and activated-charcoal filtered optical assembly
- Heavy duty steel trunnion with degree indicator
- One-piece hydroformed reflector with Alzak finish
- Knuckle slipfitter and wall mounting options
- Built-in "Sight-Track", quick aiming sight
- Tray mounted ballast available. (maximum 150 watt )
- Heat and shock resistant tempered glass lens
- Front access via hinged/removable door
- Electrocoat paint finish inside and out
- Corrosion-resistant external hardware
- Mogul base socket-E39 standard
- Place of origin: USA

## Applications

- Parking lots, building security and building facade.
- Anywhere a compact 70 to 400 watt, wide beam flood light is needed

## Electric Standards & Safety

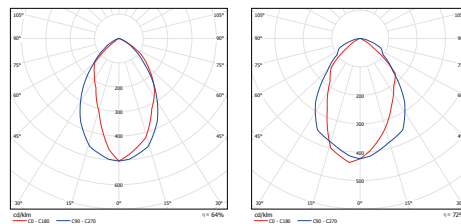
UL 1598 listed, suitable for wet locations; Class I



## Photometric Table

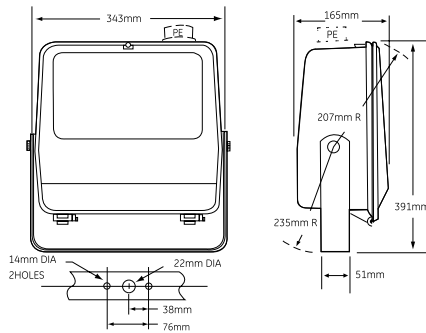
Wattage	Source	IES Type	(1/10 I <sub>max</sub> (horizontal × vertical))	Curve Number
250W, 400W	HPS	6 × 6	(120 × 114)	8610
250W	MH	6 × 6	(122 × 116)	8612
		7 × 6	(143 × 115)	9892
400W	MH	6 × 6	(129 × 120)	8611

## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Net Weight (kg)
0.11	10~13

## Order Logic

PF1S	07	S	0	H	1	6 × 6	DB	P
Product Identity	Wattage	Source	Voltage	Ballast Type	PE Function	Photometric Selection	Color	Options
PF1S=PF-154 Standard	07=70 10=100	S=HPS M=MH or Merc	60Hz 0=120/208/ 240/277	See Ballast and Photometric Selection Table	1=None 2=PE Receptacle	See NEMA Type from Photometric Selection Table.	DB=Dark Bronze	F=Fusing (Not Available with Multivolt or 120 × 347V) K=Knuckle Slipfitter for 1.9-in.to 2.38 -in.(48- 60mm) OD Tenon L=Latch for Door P=Prewired with 6ft(2M) #14/3 T=Terminal Board V=Knuckle Wall Mount Y=Dual Wattage Units Connect Higher Wattage
Note: 150W Max Mag-Reg	15=150(55V) 17=175 20=200	CAUTION: For 400W MH, an E- 18 or ED-28 Lamp	Multivolt 1=120 2=208 3=240 4=277	A=Autoreg H=HPF Reactor or Lag	Note: Receptacle Connected Same Voltage as Unit.	Example: 6 × 6=6 × 6		
PF1T=PF-154 Floodlight with Tray Mounted Ballast 150 watt Maximum	24=250/400* 25=250W 40=400W *Connected for 250W	Must Be Used. Standard: Lamp Not Included.	5=480 D=347 F=120 × 347* T=220  50Hz 6=220 R=230 Y=240	M=Mag-Reg N=NPF Reactor or Lag	Order PE Control Separately.			
Note: Mag-Reg Not Available.								
								*Connected for 120V

\* Lamps are not included.



# EUROFLUX

## Specification Features

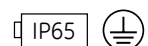
- High quality engineering plastic housing
- High purity aluminium reflector with anodized finish for symmetric and asymmetric beam patterns
- Heat and shock resistant tempered glass lens
- EF15 150W max
- EF25 250W max
- EF40 600W max
- Place of origin: EU

## Applications

- Building facade, stadiums, industrial yards
- Symmetrical and asymmetric light distribution

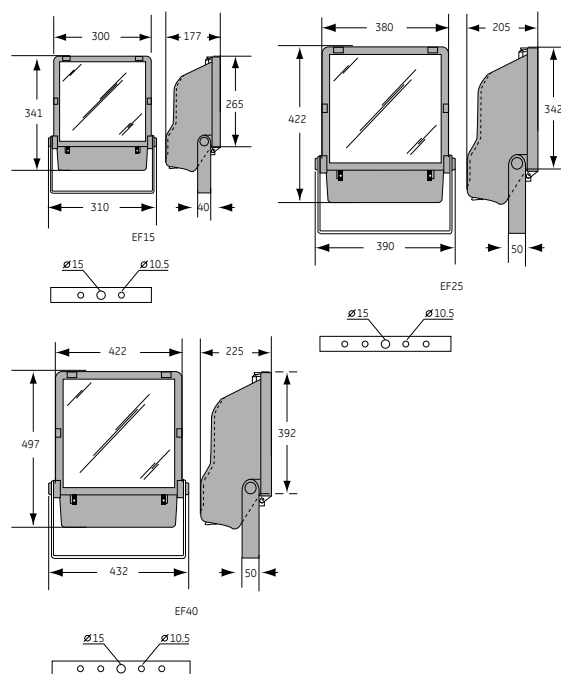
## Electric Standards & Safety

Electric Standards & Safety

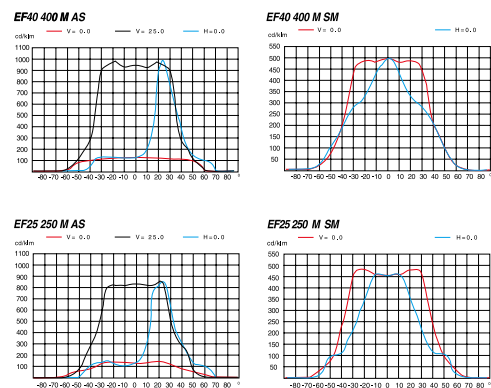


## Dimensions

Unit: mm



## Photometric Data



## Ordering Description

SKU	SKU Description	Source	Lamp Type	Package Weight (kg)
<b>EF40</b>				
42893	EF40 250 S AS	HPS	LU250/T/40	10.9
42894	EF40 250 S SM	HPS	LU250/T/40	10.9
42895	EF40 250 M AS	MH	ARC250/T/H/742/E40	11
42896	EF40 250 M SM	MH	ARC250/T/H/742/E40	11
42898	EF40 400 M AS	MH	ARC400/T/H/742/E40	12.1
42899	EF40 400 M SM	MH	ARC400/T/H/742/E40	12.1
43070	EF40 400 S AS	HPS	LU400/T/40	12.1
42897	EF40 400 S SM	HPS	LU400/T/40	12.1
42901	EF40 400 M AS K	MH	KRC400/T/H/960/E40	12.1
42902	EF40 400 M SM K	MH	KRC400/T/H/960/E40	12.1
42878	EF40 400 M AS CMH	MH	CMH400/T/UVC/H/830/E40	12.1
42877	EF40 400 M SM CMH	MH	CMH400/T/UVC/H/830/E40	12.1
42900	EF40 600 S SM	HPS	LU600/HO/T/40	13.9
<b>EF25</b>				
42886	EF25 150 S AS	HPS	LU150/T/40	8.4
42888	EF25 150 S SM	HPS	LU150/T/40	8.4
42889	EF25 250 S AS	HPS	LU250/T/40	9.5
42890	EF25 250 S SM	HPS	LU250/T/40	9.5
42891	EF25 250 M AS	MH	ARC250/T/H/742/E40	9.5
42892	EF25 250 M SM	MH	ARC250/T/H/742/E40	9.5
42880	EF25 250 M SM CMH	MH	CMH250/T/UVC/U/830/E40	9.5
42879	EF25 250 M AS CMH	MH	CMH250/T/UVC/U/830/E40	9.5
<b>EF15</b>				
42882	EF15 70 S AS	HPS	LU70/90/T12/27	5.8
42883	EF15 70 M AS	MH	ARC70/TD/742/RX7S	5.8
42884	EF15 100 M AS	MH	MXR100/U/27	6.2
42885	EF15 150 M AS	MH	ARC150/TD/742/RX7S	7.1
42903	EF15 150 M AS CMH	MH	CMH100/E/UVC/U/830/E27/C	7.1

\* Lamps are not included.



# Dura Flux

## Specification Features

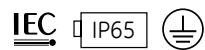
- Die-casting housing with electrocoat paint finish, corrosion-resistant, small size, light weight
- High quality silicon rubber gasket for optical and gear box
- Symmetrical light distribution, precise light beam and high efficient reflection
- High pure anodized aluminium reflector
- Heat and shock resistant tempered glass lens
- Place of origin: China

## Applications

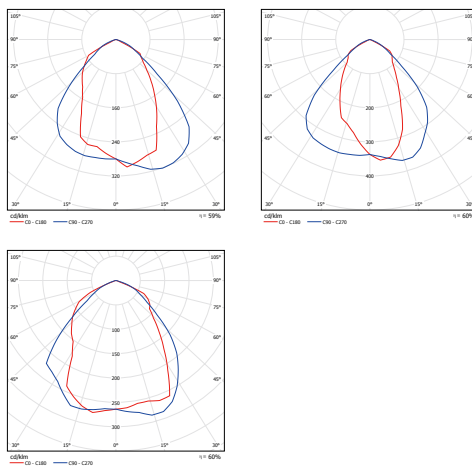
- Parking lots
- Building security
- Building facade
- Shipping yards
- Rail yards
- Other flood lighting areas

## Electric Standards & Safety

IP65; IEC61000-3-2; Class I

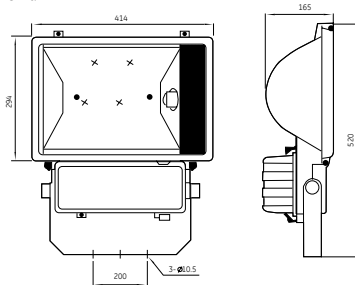


## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Net Weight (kg)
0.13	8.5~11.3

## Order Logic

CSEF	25	S	8	H	B
Product Identity	Wattage	Source	Voltage	Ballast Type	Color
CSEF	15=150W 25=250W 40=400W	S=HPS M=MH	8=220V/50Hz 7=230V/50Hz 6=240V/50Hz 3=220V/60Hz 2=230V/60Hz 1=240V/60Hz	H=HPR Reactor or Lag	B=Black

\* Lamps are not included.

## Ordering Description

SKU	SKU Description	SKU	SKU Description
AF50101P	CSEF15M2HB	AF50125P	CSEF25S2HB
AF50102P	CSEF15M3HB	AF50126P	CSEF25S3HB
AF50105P	CSEF15M6HB	AF50129P	CSEF25S6HB
AF50106P	CSEF15M7HB	AF50130P	CSEF25S7HB
AF50107P	CSEF15M8HB	AF50131P	CSEF25S8HB
AF50109P	CSEF15S2HB	AF50133P	CSEF40M2HB
AF50110P	CSEF15S3HB	AF50134P	CSEF40M3HB
AF50113P	CSEF15S6HB	AF50137P	CSEF40M6HB
AF50114P	CSEF15S7HB	AF50138P	CSEF40M7HB
AF50115P	CSEF15S8HB	AF50139P	CSEF40M8HB
AF50117P	CSEF25M2HB	AF50141P	CSEF40S2HB
AF50118P	CSEF25M3HB	AF50142P	CSEF40S3HB
AF50121P	CSEF25M6HB	AF50145P	CSEF40S6HB
AF50122P	CSEF25M7HB	AF50146P	CSEF40S7HB
AF50123P	CSEF25M8HB	AF50147P	CSEF40S8HB



# SBN/SBF

## Specification Features

- Heavy duty die-casting aluminium housing
- Dark bronze electrocoat paint finish inside and out
- Enclosed and gasketed with Alzak finished aluminium reflector and tempered glass lens
- Corrosion-resistant hardware
- Wide beam and narrow beam optics for medium base HID lamps
- HPF or NPF ballasts available
- 1/2-inch ID threaded swivel mount
- Medium base HPS or metal halide lamps
- Lamp included
- Place of origin: USA

## Applications

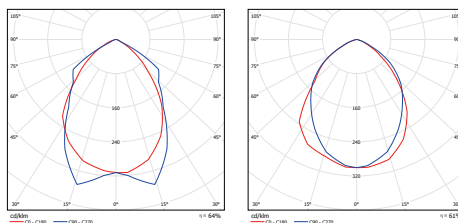
- Signage, facade, landscape lighting, building mounted focal points and flag lighting
- Residential, small scale commercial and industrial applications
- Ideal for situations where an easy-to-conceal flood light with either wide beam or narrow beam photometrics is needed

## Electric Standards & Safety

UL 1598 listed, suitable for wet locations; Class I

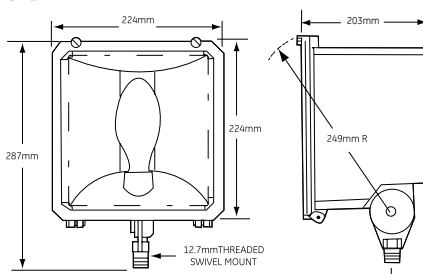


## Photometric Data



## Dimensions

Unit: mm



Effective Projected Area (m <sup>2</sup> )	Net Weight (kg)
0.074	4~6

## Order Logic

SBF	17	M	6	H	PE
Product Identity	Wattage	Source	Voltage	Ballast Type	PE Function
SBF=Wide Beam SBF	03=35W	S=HPS	0=120/208/240/277	See Ballast and Photometric Selection Table	PE=PE (if required)
Powerflood	05=50W	M=MH	Multivolt		
Flood Lighting	07=70W	Standard: Lamp	1=120	A=Autoreg(175W Metal Halide Only)	
SBN=Narrow Beam SBN	10=100W	Installed in Socket.	2=208	H=HPF Reactor or Lag	
Powerflood	15=150W(55V)		3=240	N=NPF Reactor or Lag	
Flood Lighting	17=175W		4=277		
			5=480		
			D=347		
			F=220 x 347		

## Photometric Table

Wattage	Source	IES Type 1/10 I <sub>max</sub> (horizontal x vertical)	Curve Number
<b>SBF</b>			
70W, 100W	HPS	6 x 6 (126 x 116)	7138
70W	MH	6 x 6 (126 x 117)	7469
175W	MH	6 x 6 (126 x 117)	7469

Wattage	Source	IES Type 1/10 I <sub>max</sub> (horizontal x vertical)	Curve Number
<b>SBN</b>			
70W, 100W	HPS	3 x 4 (33 x 67)	8553
70W	MH	3 x 4 (34 x 56)	8572
175W	MH	3 x 4 (34 x 56)	8572

# GE Lighting

## GE Asia Headquarters China

7F, Building 1, No.1 Hua Tuo Rd.  
Zhang Jiang Hi-Tech Park  
Pudong, Shanghai 201203  
T: +86 21 3877 1888  
F: +86 21 3877 7437  
+86 21 3877 7459

## Australia

125-127 Long Street  
Smithfield, Sydney, NSW 2164  
T: +61 2 8788 6911  
F: +61 2 8788 7224

## Indonesia

BRI II Tower, 26th Floor  
Jl. Jend Sudirman kav 44-46  
Jakarta, Indonesia 10210  
T: +62 21 573 0490  
F: +62 21 574 5241

## India

The Millenia, 6F, Tower B, #1&2  
Murphy Road, Ulsoor Bangalore  
560 008  
T: +91 80 4143 4000  
F: +91 80 4143 4199

## HongKong

8F, Lee Gardens 33 Hysan  
Ave. Causeway Bay.  
T: +852 2100 6800  
F: +852 2376 0013

## Japan

12F, Akasaka Park Bldg., 5-2-20  
Akasaka Minato-ku, Tokyo  
Japan  
107-6112  
T: +81 3 5544 6700  
F: +81 3 5544 6760

## Korea

9th Floor, POBA Gangnam Tower, 343,  
Hakdong-ro (Nonhyundong 119)  
Gangnam-gu, Seoul 135-820, Korea  
T: +82 2 6201 4300  
F: +82 2 6201 4343, 4344

## Malaysia

Level 6 & 7 1 Sentral Jalan Travers  
Kuala Lumpur Sentral, Kuala  
Lumpur, Malaysia  
T: +603 2273 9788  
F: +603 2273 3473

## New Zealand

Level 1, 8 Tangihua Street.  
Auckland, North Island.  
T: +64 9 353 6706  
F: +64 9 353 6707

## Philippines

1873 P. Domingo Makati  
City, Metro Manila, Philippines  
T: +63 2 895 7051 to 53  
F: +63 2 325 0377

## Singapore

240 Tanjong Pagar Road,  
GE Tower, Singapore  
T: +65 6326 3319  
F: +65 6326 3227

## Taiwan

6F, No.8, Sec. 3, Minsheng E. Road  
Taipei  
T: +886 2 2183 7000  
F: +886 2 2516 7356

## Thailand

27th Floor, CRC Tower, All Seasons Place  
87/2 Wireless Road, Lumpini,  
Pathumwan, Bangkok 10330, Thailand  
T: +66 2 250 0820-4  
F: +66 2 250 0825

## Vietnam

7th Floor, Saigon Centre 65 Le Loi  
Blvd., District 1, Hochiminh City,  
Vietnam  
T: +84 8 3914 6778  
F: +84 8 3827 8229

