CATALOGUE EXTERIEUR
LED DESIGN INNOVATION
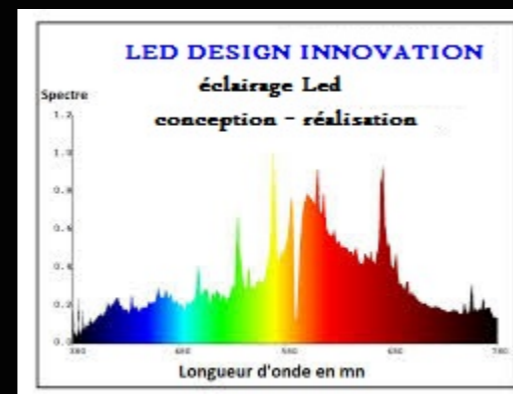
2021

PREMIUM SERIES 2021

HIGHBAY
PROJECTEURS
LANTERNES
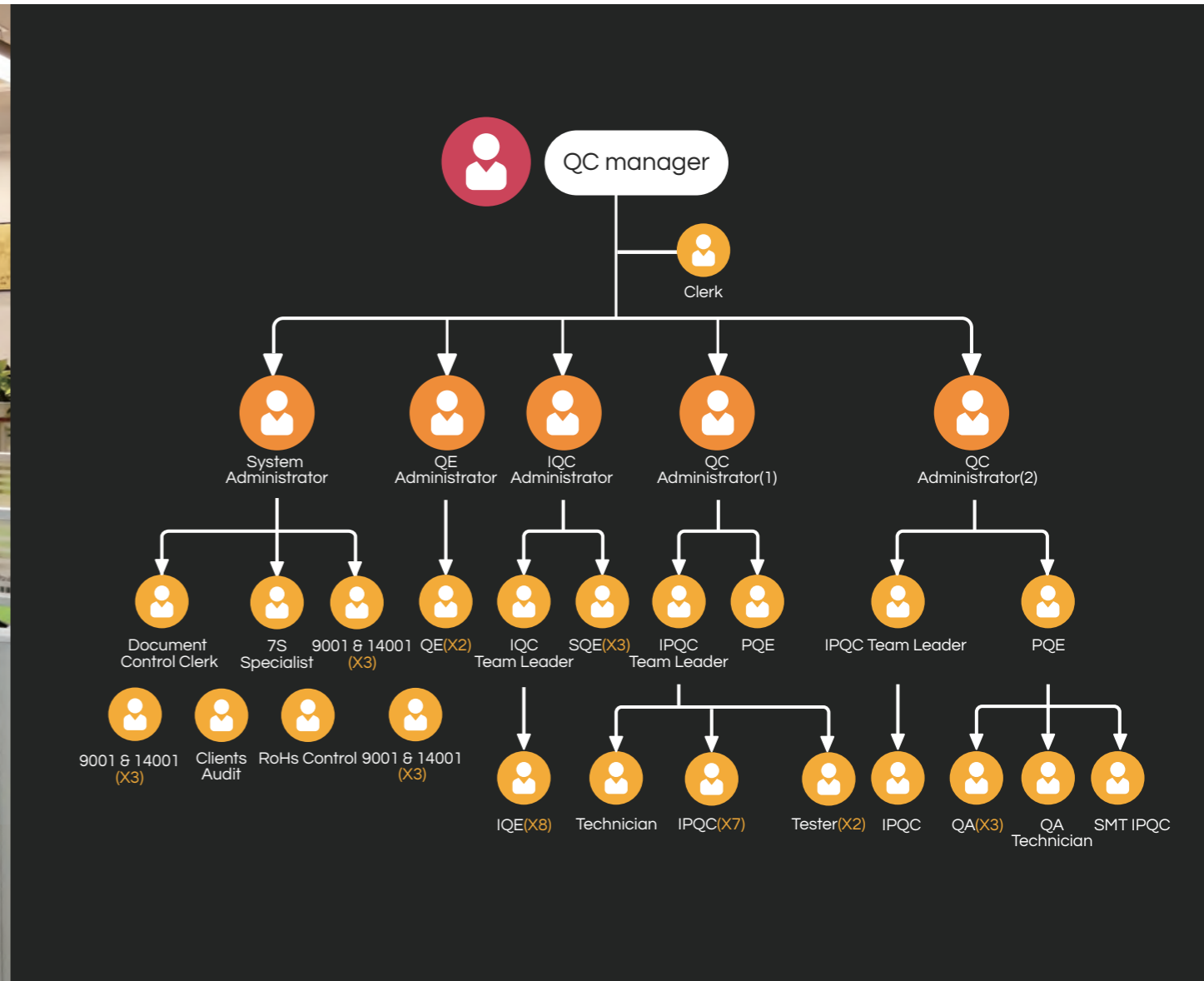
www.led-design-innovation.com

email : patrick.faggian11@gmail.com



LED DESIGN INNOVATION
éclairage Led
conception - réalisation

Spectre

Longueur d'onde en mn

**15.000** SQ.M

**450+** Employees

BSCI
Business Social Compliance Initiative

ISO 14001
INTERNATIONAL CERTIFICATIONS

ISO 9001
International Organization for Standardization

ISO 50001
ENERGY MANAGEMENT

Org chart:
- QC manager
  - Clerk
    - System Administrator
      - Document Control Clerk
        - 9001 & 14001 (X3)
        - Clients Audit
        - RoHs Control
        - 9001 & 14001 (X3)
      - 7S Specialist
      - 9001 & 14001 (X3)
    - QE Administrator
      - QE(X2)
    - IQC Administrator
      - IQC Team Leader
        - IQE(X8)
        - Technician
      - SQE(X3)
    - QC Administrator(1)
      - IPQC Team Leader
        - IPQC(X7)
        - Tester(X2)
      - PQE
        - IPQC
    - QC Administrator(2)
      - IPQC Team Leader
        - QA(X3)
        - QA Technician
        - SMT IPQC
      - PQE

# recherche et developpement

    is a self-research, self-produce, and self quality control manufacturer, who attaches great importance to R&D and QC. Our R&D team is about 80 highly skilled professionals. While from the R&D department to the photometry laboratories and QC department, from the sales to the marketing, every member of the team works hard to meet customer's needs.

**80+** Ingénieurs     **38+** Staff

# Production

Every test we did is designed to give customers confidence that the investment they're making in A products is a sound one.

- ✓ 3D Printer
- ✓ IPX5 / X6 / X7 Test
- ✓ Thermal Test
- ✓ Anti-corrosion Test
- ✓ 3G Vibration Test
- ✓ Salt Spray Test

- ✓ Draught-proof Test
- ✓ Power Meter
- ✓ Water-proof Test
- ✓ Anti-UV Test
- ✓ Oven
- ✓ Electronic Load Test

- ✓ Lifespan Test
- ✓ RoHS Test
- ✓ Surge Test
- ✓ Humidity Test
- ✓ Wind resistance Test
- ✓ Ebdyrance Test

- ✓ Needle-flame Test
- ✓ Load Test
- ✓ Cold anchorage Test
- ✓ Drop Test
- ✓ AC/DC Power source
- ✓ Suspension Test

- ✓ Dust-proof Test
- ✓ IES Test
- ✓ Integrating Sphere
- ✓ Glow-wire Test
- ✓ Safety Test
- ✓ Touch Current Test

- ✓ Cord Anchorage Test
- ✓ Aging Test
- ✓ Electronic Balance
- ✓ Oscilloscope
- ✓ Constant Temperature
- ✓ Digital Multimeter
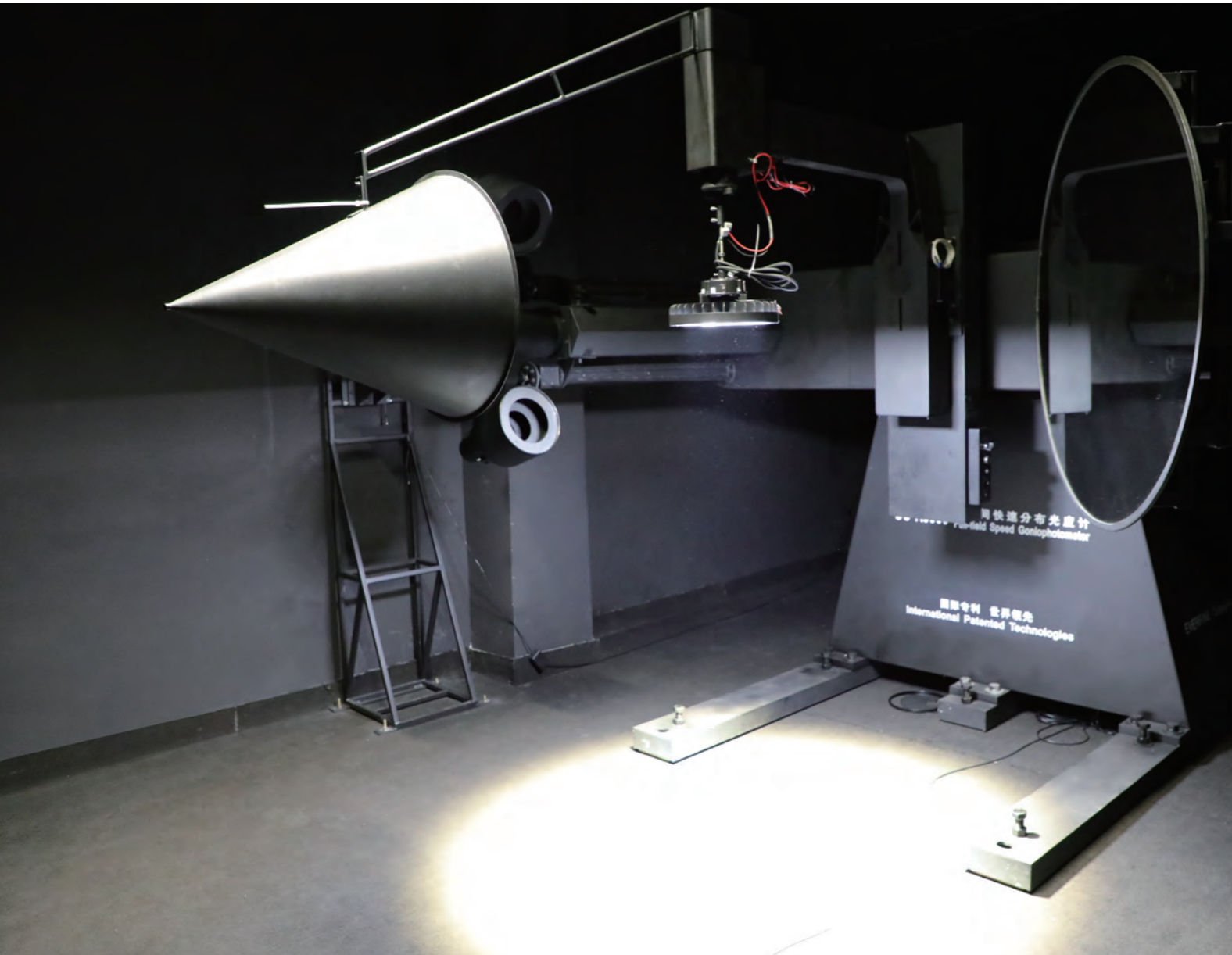
Free Lighting Design

Professional and Fast
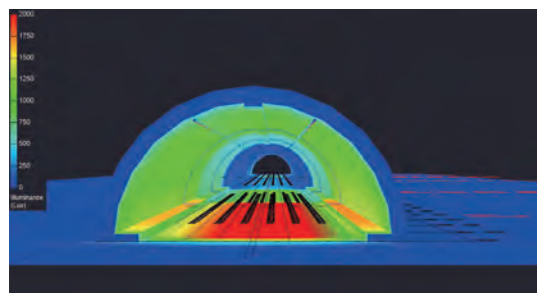
# Customized Solutions

Just like you, we value lighting solutions that are flexible enough to fit the needs of each unique user while sustaining our environment. One dedicated team serves for custom engineering and quickly tackle to complicated customization request: such as optical lens, reflectors, anti-corrosion surface treatment, pole adaptor, brackets, smart controls like Motion sensor, Daylight sensor, Zigbee, DALI, DMX, Zhaga. Furthermore, for important projects, a customized team will be set up which is headed by product manager to provide specially-assigned personnel to ensure the smooth and orderly development of the project.
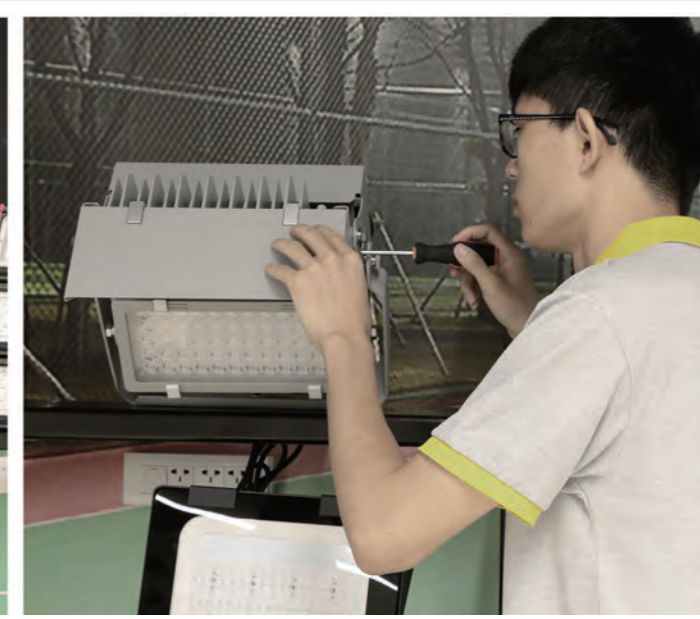
# Products Categories



## SPORT & AREA
· Sports Fields Lighting
· Area Site Lighting
· Architectural Lighting
· Security Lighting

## INDUSTRIAL & WAREHOUSE
· Factories
· Warehouses
· Engineering Facilities
· Storage Facilities
· Logistics Facilities

## SPECIAL PURPOSE LIGHTING
· Garage Parking
· Full-Cutoff Wall Pack
· Conveyor Lighting
· Tunnel Lighting
· Portable Work Light

## STREET & ROADWAY
· Parks
· Roadways
· Routes / Country Road
· Highways
· Open Car Parks

# High-Bay Luminaires
## for Commercial and Industrial Buildings

HB01 / P02-06

HB06 / P07-09

HB12 / P10-12

HB17 / P13-15

HB18 / P16-17

HB21 / P18-19

HB32 / P20-22

HB31 / P23-25

HB35 / P26-28

HB37 / P29-31

HB39 / P32-34

HB43 / P35-37

HB46 / P38-39

HB42 / coming soon

HB45 / coming soon

LOW UGR

High efficiency 160LPW

High efficiency 200LPW

High-temperature

Low-Bay Luminaires

High Powered 300-600W

CCT Adjustable

Rack optics/Aisle lens

Lumen output field adjustable

10 years warranty

Plug-and-play sensor

Light distribution field adjustable

CRI90

Food processing

5-core DALI

IP65 External Emergency module

## Specifications - HB01 mini HiCloud LED High Bay

Version: 3.0

### Electrical Information

| Model No. | HB01-50 | HB01-70 | HB01-90 |
|---|---|---|---|
| Power Consumption(±5%) | 50W | 70W | 90W |
| Power Supply | MEAN WELL | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | |
| Power Factor | >0.92 | | |
| Surge Protection | 2kV line-line, 4kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | dimmable, DALI, Daylight Sensor, Microwave Sensor, PIR Sensor | | |
| | Zigbee Wireless Control | | |

### Optic Information

| LED Type | LED 3030 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 7000lm | 9800lm | 12600lm |
| Efficacy(@5000K Ra70) | 140lm/W | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | |
| Beam Angle | H19601, H19602, H00A01, H00B01, H00B02 | | |
| UGR level | 19 | | |

CE CB RoHS SAA

### Description

HiCloud LED highbay is the first UFO in the market, more than 1.5 million units export in all highbay.Very stable quality, we have sold more than 6 years, it is still the first choice for big projects. Different intelligent control, customized supports and diversified accessories can meet most of applications.

### Dimensions and Mount

| Product Dimension | Φ264×122mm | Φ264×171mm |
|---|---|---|
| Luminaire Net Weight | 2.4 ±0.3kg | 3.1±0.3kg |
| Export Carton Size | 310×235×315mm(17.32"×9.25"×12.4") | |
| Gross Weight | 3.1±0.3kg | 3.8 ±0.3kg |
| Mounting Option | Loop Hanging | |
| | Ceiling Mounting, Pipe Mounting | |
| Material | Aluminum Alloy | |
| | Polycarbonate Optical Lens | |
| Finish | Powder Coating | |
| Fixture Color | Black body/Red ring, Black body/Black ring | |
| EPA | NA | |
| IK Rating | IK08, IK10 | |
| IP Rating | IP20 | IP65 |

### Key Features

- 140 LPW.
- Full wattage 50W, 70W, 90W.
- Optics can be replaced easily: 60°, 90°
- Low UGR, UGR<19
- Multiple installations: loop hanging, ceiling mounting, wall mounting, pipe mount.
- Intelligent control: 1-10V, Dali, Motion sensor, Daylight sensor, Zigbee and Emergency.
- Full certificates CE, ROHS, CB, C-tick, SAA, LM79, LM80, TM-21, ISTMT, LCP test reports available.
- Black, white housing optional
- PC and ALU reflector are optional.

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 61000hrs-L90 |
| | 137000hrs-L80 |
| | 223000hrs-L70 |
| Warranty | 5 Years |

### Applications

- Indoor and outdoor high ceiling application
- Warehouse
- Factory
- Industrial facility
- Chemical Facilities
- Exhibition centers
- Shopping malls
- Stadiums
- Toll stations

### New Features

*Please consult us for details.*

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## Specifications - HB01 HiCloud LED High Bay

Version: 3.0

### Electrical Information

| Model No. | HB01-100 | HB01-120 | HB01-150 | HB01-200 | HB01-240 | HB01-300 |
|---|---|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 120W | 150W | 200W | 240W | 300W |
| Power Supply | MEAN WELL | | | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | | | |
| Power Factor | >0.92 | | | | | |
| Surge Protection | 2kV line-line, 4kV line-earth | | | | | |
| Driver Type | Constant Current (CC) | | | | | |
| Control | dimmable, DALI, Daylight Sensor, Microwave Sensor, PIR Sensor | | | | | |
| | Zigbee Wireless Control | | | | | |

### Optic Information

| LED Type | LED 3030 | | | | | |
|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 14000lm | 16800lm | 21000lm | 28000lm | 36000lm | 45000lm |
| Efficacy(@5000K Ra70) | 140lm/W | | | | 150lm/W | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | | |
| Beam Angle | H00A02, H00B03, H00B04, H25201, H25202, H25203, H53201, H53202, H53203, H53204 | | | | | |
| UGR level | 25 | | | | | |

CE CB RoHS ErP SAA

### Description

HiCloud LED highbay is the first UFO in the market, more than 1.5 million units export in all highbay.Very stable quality, we have sold more than 6 years, it is still the first choice for big projects. Different intelligent control, customized supports and diversified accessories can meet most of applications.

### Dimentions and Mount

| Product Dimension | φ383×182mm | | φ383× 201mm | φ383× 210mm | φ383×254mm |
|---|---|---|---|---|---|
| Luminaire Net Weight | 5.6±0.3kg | 5.9±0.3kg | 6.7±0.3kg | 7.8 ±0.3kg | 8.7 ±0.3kg |
| Export Carton Size | 440×255×450mm | | | | |
| Gross Weight | 6.5 ± 0.3kg | 6.8±0.3kg | 7.6 ±0.3kg | 8.7 ±0.3kg | 9.6 ±0.3kg |
| Mounting Option | Loop Hanging | | | | |
| | Ceiling Mounting, Pipe Mounting | | | | |
| Material | Aluminum Alloy | | | | |
| | Polycarbonate Optical Lens | | | | |
| Finish | Powder Coating | | | | |
| Fixture Color | Black body/Red ring, Black body/Black ring | | | | |
| EPA | NA | | | | |
| IK Rating | IK08, IK10 | | | | |
| IP Rating | IP65 | | | | |

### Key Features

- 140 LPW & 160 LPW.
- Full wattage 100w, 120w, 150w, 200w, 240w, 300w.
- Optics can be replaced easily: 30°, 50°, 60°, 90° and 120°
- Low UGR solution optional, UGR<19
- Multiple installations: loop hanging, ceiling mounting, wall mounting, pipe mount.
- Intelligent control: 1-10V, Dali, Motion sensor, Daylight sensor, Zigbee and Emergency.
- Full certificates CE, ROHS, CB, TUV-GS, ENEC, C-tick, SAA; LM79, LM80, TM-21, ISTMT, LCP test reports available.
- Black, white housing optional
- PC and ALU reflector are optional.

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 32000hrs-L90 |
| | 152000hrs-L80 |
| | 244000hrs-L70 |
| Warranty | 5 Years |

### Applications

- Indoor and outdoor high ceiling application
- Warehouse
- Factory
- Industrial facility
- Chemical Facilities
- Exhibition centers
- Shopping malls
- Stadiums
- Toll stations

### New Features

- UGR<19 with honeycomb diffuser available (for 100W-200W only).
- Emergency with motion sensor
- High temperature solution
- Dust-proof Reflector
- DMX control
- Whole White color
- Protective steel grid for Sports field

*Please consult us for details.*

## Photometry

**50W-90W beam angle**



H19602

H19601

H00A01 / H00B02

**100W-200W beam angle**



H25203

H25202

H25201

H00A02 / H00B03 / H00B04

**240W-300W beam angle**



H53201

H53202

H53203

H53204

H00A02 / H00B03 / H00B04

## Mounting Options



Loop mounting

Ceiling mounting

Pipe mounting

Bracket mounting

Pole mounting

## Dimensions

Unit:mm



Ø264

Ø264

122

61

171

127

61

50W

70W/90W

---

Ø25mm (0.98°) 130mm (5.12°) 71mm (2.8°) 182mm (7.17°)

Ø25 (0.98°) 152mm (5.98°) 71mm (2.8°) 182mm (7.17°)

Ø30mm (1.18°) 192mm (7.56°) 71mm (2.8°) 201mm (7.91°)

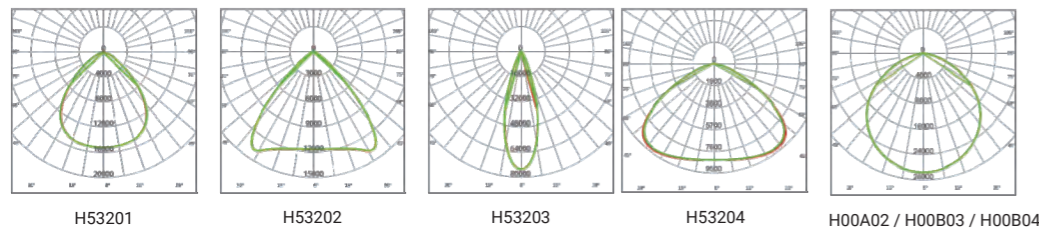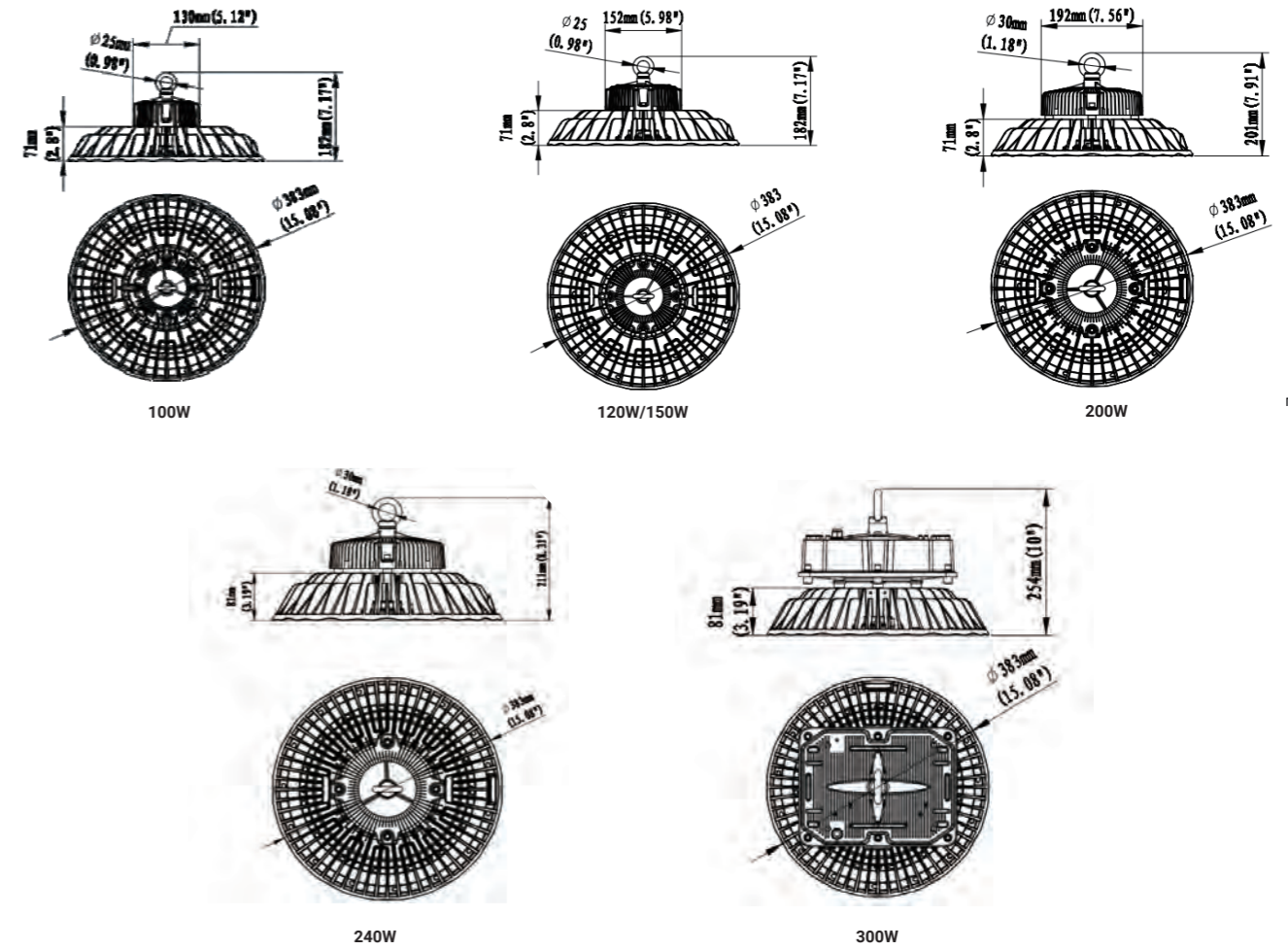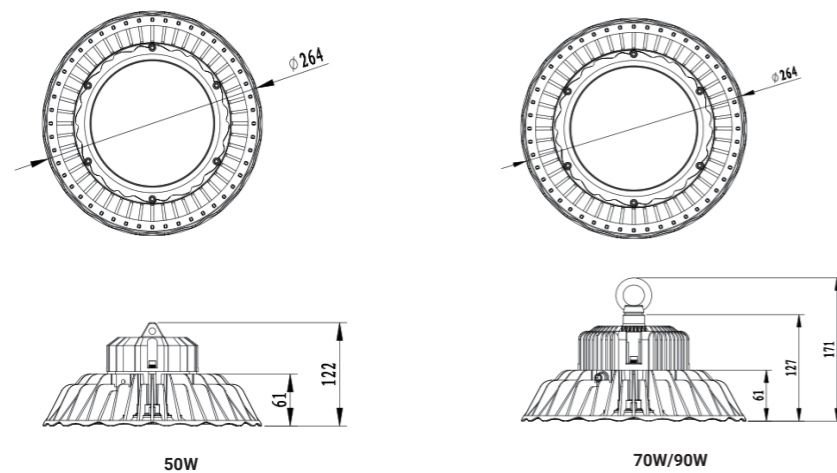Ø383 (15.08°)

Ø383 (15.08°)

Ø383mm (15.08°)

100W

120W/150W

200W



240W

300W

## Accessories



**Optic lens**

High transmittance PC materials, UV test approval.

Code: please refer to Photometry for different beam angle.

**Aluminium reflectors**

Different beam angle, anti glare effect, black/silvery color options.
100-300W:
Code: H00D02 (90°), H00D04 (110°), H00D03 (65°)
50-90W:
Code: H00D01 (90°)

**PC reflector**

90° PC reflector with lid.

Code: H00C01A+H00C01B (100-300W)
Code: H00C03A+H00C03B (50-90W)

**Protective wire guard**

Protect the luminaries from hitting.

Code: BC-H01-08

**Ceiling mount bracket**

SPCC materials with outdoor powder coating, Non adjustable.

Code: BC-H01-01 (100-240W)
Code: BC-H01-01a (300W)

**±45° adjustable bracket**

SPCC materials with outdoor powder coating.

Code: BC-H01-02a (100-240W)
Code: BC-H01-02b (300W)

**±30° adjustable bracket**

SPCC materials with outdoor powder coating.

Code: BC-H01-02c

**±180° adjustable bracket**

SPCC materials with outdoor powder coating.

Code: BC-H01-03a (100-240W)
Code: BC-H01-03b (300W)

Version: 3.0

Version: 3.0

HB06

**Pole mount bracket**
Match dia.60mm pole

Code: BC-H01-05b(100-240W)
Code: BC-H01-05c(300W)
Code: BC-H01-05a(70-90W)

**Pipe mount bracket**
support both 3/4 or 1/2 NPT.

Code: BC-H01-04 (100-240W)

**Hook**
304 stainless steel.

Code: HK-H01-01

**Pole**
SPCC pole, length could be customized.

Code: PL-A00-01

**Safety chain**
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H01-01a (100-300W)
Code: SC-H01-01b (50-90W)

**Daylight sensor**
1-10V DC input, IP20 rating, daylight Harvesting function.

**Junction bracket for 2 high bay lights**
SPCC materials with outdoor powder coating.
Code: BC-H01-09(100W)                code:
BC-H01-07(200W)

**Visor**
SPCC materials with outdoor powder coating.
Code: BC-H01-08

**Microwave motion sensor**
120-277Vac input, IP65 rating, max detect height is 15m.

**Remote controller**
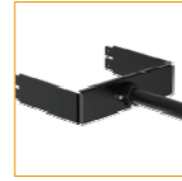
**PIR sensor**
120-277Vac input, IP65 rating, max detect height is 15m.

**Zigbee wireless controller**
1pcs for each luminaire.

**Zigbee gateway**
1pcs can control 100pcs fixtures.

**Zigbee daylight sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

**Zigbee microwave motion sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

reddot award 2018

CE CB RoHS NSF D SAA

## Electrical Information

| Model No. | HB06-100 | HB06-120 | HB06-150 | HB06-200 |
|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 120W | 150W | 200W |
| Power Supply | MEAN WELL | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | |
| Power Factor | >0.92 | | | |
| Surge Protection | 2kV line-line, 4kV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | dimmable, DALI, Daylight Sensor, Microwave Sensor, PIR Sensor | | | |
| | Zigbee Wireless Control | | | |

## Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 14000lm | 16800lm | 21000lm | 28000lm |
| Efficacy(@5000K Ra70) | 140lm/W | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | H00A02, H00B03, H00B04, H25201, H25202, H25203 | | | |
| UGR level | 25 | | | |

## Description

HiClean plus LED highbay is specially design forfood processing applications. The lamp body is arched perfectly which makes not only asthetic but also dust-proof and easy to clean. At the basis of highly efficient heat dissipation solution, our design concept is "unibody" , which lead the way in high bay lights.

## Dimentions and Mount

| Product Dimension | φ489×200mm |
|---|---|
| Luminaire Net Weight | 7.2±0.3kg |
| Export Carton Size | 560x260x565mm |
| Gross Weight | 9.3±0.3kg |
| Mounting Option | Loop Mounting |
| | Ceiling Mounting, Pipe Mounting |
| Material | Aluminum Alloy |
| | Polycarbonate Optical Lens |
| Finish | Powder Coating |
| Fixture Color | Grey/White |
| EPA | NA |
| IK Rating | IK08, IK10 |
| IP Rating | IP66 |

## Key Features

- 140lm/W or 160lm/W
- With IP69K protection level, you can flush the light frequently
- NSF certificate approved, used in a food processing plant.
- The product have an anti impact grade of IK10.
- The screw are hidden to prevent dust and moisture.
- Easy to Clean
- Covered by high transmittance PC instead of glass, to prevent
debris falling to enhance the food safety.

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 70000hrs-L90 |
| | 152000hrs-L80 |
| | 244000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Food Processing Plant
- Warehouse
- Factory
- Pharmaceutical Manufacturing Facilities
- Chemical Facilities
- Beverage Processing
- Poultry and Meat Processing
- Pet-food Production
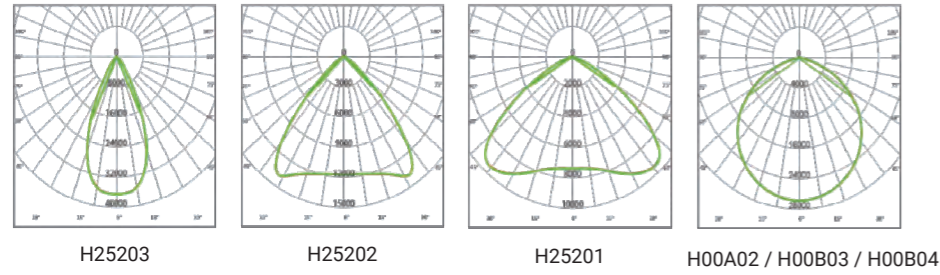- Grain and Sugar Production

## New Features

- UGR<19 with honeycomb diffuser available (for 100W-150W only).
- Working ambient temperatures 60°C, DC cable between driver and light 20m
- HB06-200 external emergency driver 10W 3hrs
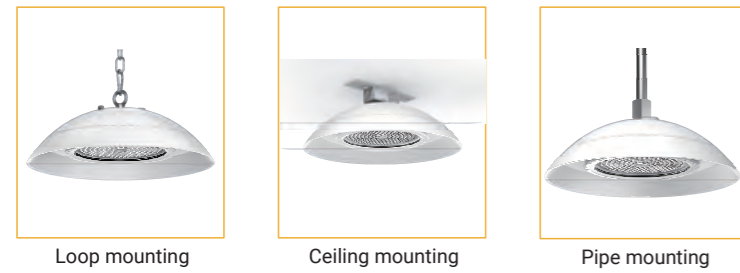- HB06 45degree adjustable bracket

*Please consult us for details.*

**Version: 3.0**

**Version: 3.0**

HB06

## Photometry

H25203

H25202

H25201

H00A02 / H00B03 / H00B04

## Mounting Options

Loop mounting

Ceiling mounting

Pipe mounting

## Dimensions

∅ 489mm (19.25")

∅ 403mm (15.86")

∅ 34mm (1.33")

54mm (2.1")

200mm (7.87")

**100W-200W**

## Accessories

**Optic lens**
High transmittance PC materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.

**Aluminium reflectors**
Different beam angle, anti glare effect, black/silvery color options.
Code: H00D02 (90°)
Code: H00D04 (110°)
Code: H00D03 (65°)

**Ceiling mount bracket**
SPCC materials with outdoor powder coating, Non adjustable.

Code: BC-H06-01

**Safety chain**
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H06-03

**Microwave motion sensor**
120-277Vac input, IP65 rating, max detect height is 15m.

**Remote controller**

**PIR sensor**
120-277Vac input, IP65 rating, max detect height is 15m.

**Daylight sensor**
1-10V DC input, IP20 rating, daylight Harvesting function.

**Zigbee microwave motion sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

**Zigbee wireless controller**
1pcs for each luminaire.

**Zigbee gateway**
1pcs can control 100pcs

**Zigbee daylight sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

**PC reflector**
90° PC reflector with lid.

Code: H00C01A+H00C01B (90°)

## Electrical Information

| Model No. | HB12-100 | HB12-120 | HB12-150 | HB12-200 |
|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 120W | 150W | 200W |
| Power Supply | SOSEN | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | |
| Power Factor | >0.92 | | | |
| Surge Protection | 4kV line-line, 4kV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | dimmable, DALI, Daylight Sensor, Microwave Motion Sensor, PIR Sensor | | | |
| | Zigbee Wireless Control | | | |

## Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 14000lm | 16800lm | 21000lm | 28000lm |
| Efficacy(@5000K Ra70) | 140lm/W | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | H00A02, H00B03, H00B04, H25201, H25202, H25203 | | | |
| UGR level | 28 | | | |

## Dimentions and Mount

| Product Dimension | φ292×183mm | | φ292×191mm | φ292×199mm |
|---|---|---|---|---|
| Luminaire Net Weight | 4.3±0.3kg | | 4.6±0.3kg | 5.2±0.3kg |
| Export Carton Size | 332×332×210mm | | | 332x332x230mm |
| Gross Weight | 5.2±0.3kg | | 5.5±0.3kg | 6.1 ±0.3kg |
| Mounting Option | Loop Mounting | | | |
| | Ceiling Mounting, Bracket Mounting | | | |
| Material | Aluminum Alloy | | | |
| | Tempered Glass or Polycarbonate Optical Lens | | | |
| Finish | Powder Coating | | | |
| Fixture Color | Black/White | | | |
| EPA | NA | | | |
| IK Rating | IK08 | | | |
| IP Rating | IP65 | | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C | -30°C to + 45°C |
|---|---|---|
| Life Time of LED @Ta=25°C | 96,000hrs-L80 | |
| | 151,000hrs-L70 | |
| Warranty | 5 Years | |

## Description

To provide a compact design but stable, and more powerful solution is the original intention we design the HiPro high bay. 140-160lm/W, IP65, outdoor powder coating heat sink, various lens and brackets, make HiPro performs perfectly in different conditions. Further more, UGR level of 19, ensuring comfortable workplace illumination.

## Key Features

- Equiv. to 400W Metal Halide lamps
- IP65 & IK08 double protection
- Superior temperature stability
- Multiple installation ways available
- Multiple light distributions for differentt project needs
- Compatible with different intelligent control modes

## Applications

- Warehouse
- Industrial Facility
- Exhibition Center
- Shopping Mall
- Gymnasium
- Airport
- Toll Station and so on.

## New Features

*Please consult us for details.*
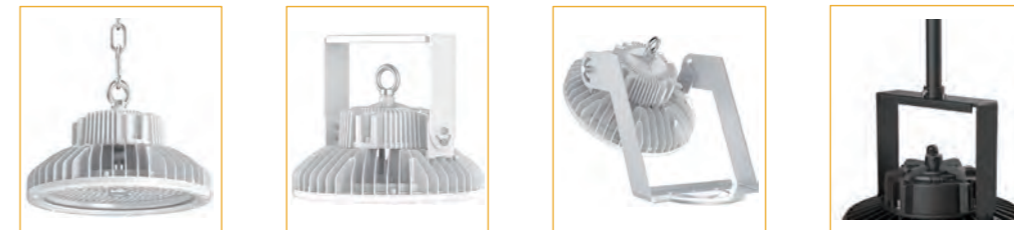
CE  CB  RoHS  D  SAA

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HB12

## Photometry



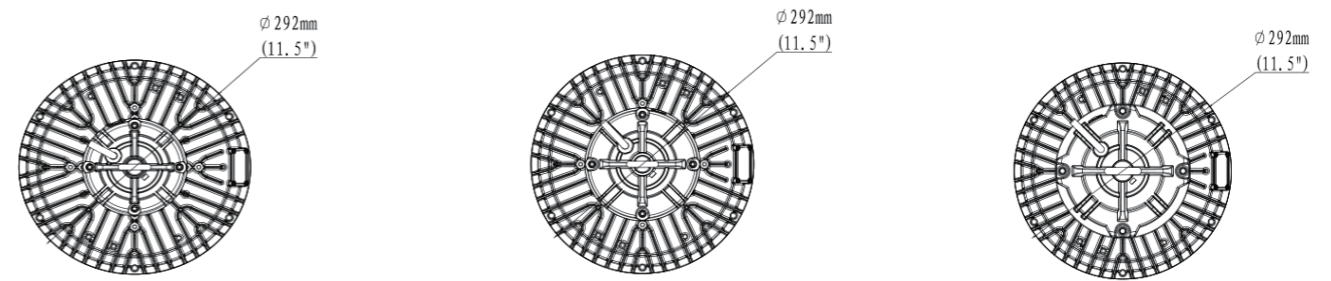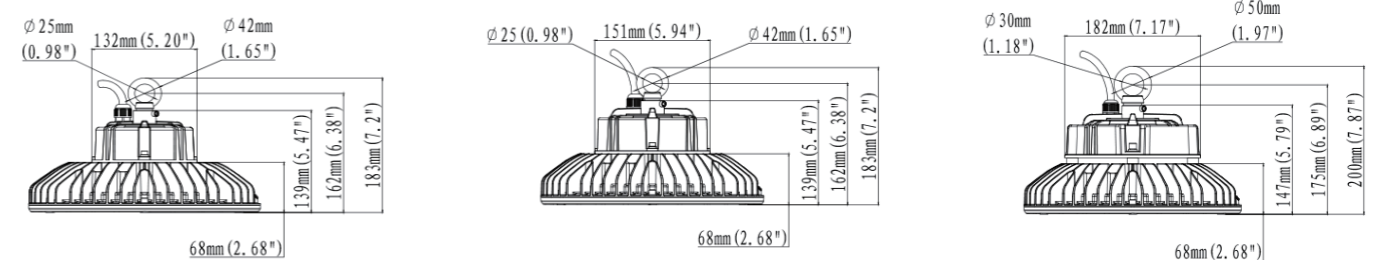H25203     H25202     H25201     H00A02 / H00B03 / H00B04

## Mounting Options



Loop mounting     Ceiling mounting     Bracket mounting     Pipe mounting

## Dimensions



100W/120W     150W     200W

## Accessories

### Optic lens
High transmittance PC materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.

### ±45° adjustable bracket
SPCC materials with outdoor powder coating.

Code: BC-H12-01

### Safety chain
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H01-01a

### Microwave motion sensor
120-277Vac input, IP65 rating, max detect height is 15m.

### Remote controller

### Daylight sensor
1-10V DC input, IP20 rating, daylight Harvesting function.

### Zigbee wireless controller
1pcs for each luminaire.

### Zigbee gateway
1pcs can control 100pcs fixtures.

### PC reflector
90° PC reflector with lid.

Code: H00C01A+H00C01B(90°)

### Aluminium reflectors
Different beam angle, anti glare effect, black/silvery color options.
Code: H00D02 (90°)
Code: H00D04 (110°)
Code: H00D03 (65°)

### ±90° adjustable bracket
SPCC materials with outdoor powder coating.

Code: BC-H12-02

### Pipe mount bracket
support 3/4 NPT.

Code: BC-H12-03

### PIR sensor
120-277Vac input, IP65 rating, max detect height is 15m.

### Zigbee microwave motion sensor
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

### Zigbee daylight sensor
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

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CE  CB  RoHS  SAA

### Electrical Information

| Model No. | HB17-450 | HB17-600 |
|---|---|---|
| Power Consumption (±5%) | 450W | 600W |
| Power Supply | Inventronics | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | |
| Power Factor | >0.92 | |
| Surge Protection | 6kV line-line, 10kV line-earth | |
| Driver Type | Constant Current (CC) | |
| Control | dimmable, DALI, Daylight Sensor, Microwave Sensor, PIR Sensor | |
| | Zigbee Wireless Control | |

### Optic Information

| LED Type 1 | LED 5050 | |
|---|---|---|
| Luminous Flux (±10%) | 72000LM | 96000LM |
| Efficacy(5000K Ra70) | 160lm/w | |
| Beam Angle | H31201,H31202,H31203,H00A07 | |
| LED Type 2 | LED 3737 | |
| Luminous Flux (±10%) | 63000LM | 84000LM |
| Efficacy(5000K Ra70) | 140lm/w | |
| Beam Angle | H29201 | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | |
| Color Rendering Index | Ra70 (Ra80 optional) | |
| UGR level | 24 | |

### Dimentions and Mount

| Product Dimension | Loop Hanging | Φ454 x 263m | |
|---|---|---|---|
| | Bracket Mounting | 633 x 467x 454mm | |
| Luminaire N.W | Loop Hanging | 12.8±0.3kg | 13.5±0.3kg |
| | Bracket Mounting | 16.5±0.3kg | 17.5±0.3kg |
| Export Carton Size | Light Carton Size | 524×330×528mm | |
| | Bracket Carton Size | 365×310×450m(4PCS/CTN) | |
| | Visor Carton Size | 430×370×220mm(8PCS/CTN) | |
| Gross Weight (Loop Hanging) | | 14.8±0.3kg | 15.6±0.3kg |
| Mounting Option | | Loop Hanging / Bracket Mounting | |
| Material | Housing | Aluminum Alloy | |
| | Optics | Tempered Glass or Polycarbonate Optical Lens | |
| Finish | | Powder Coating | |
| Fixture Color | | Black | |
| EPA | | NA | |
| IK Rating | | IK08 | |
| IP Rating | | IP65 | |

### Description

HB17 comes with 450w and 600W. Two in one design make is available for LED highbay light and LED floodlight as well. High power with 160lm/w lumen output make it to be right choice for high mounting application, such as hangar and large sports area. Versatile beam angle help cover different project demands. It can replace 1000W and 2000W HID/Metal Halide Lamp directly.

### Key Features

- Cold-forge heat sink with excellent heat dissipation while keep the lamps in smaller size.
- High efficacy up to 160 lm/w.
- Beam angle : 15 °30° 60°and 90° ,120° optional.
- Can be used as both High Bay and Flood Ligh

### Applications

- High ceiling application
- Large equipment factory
- Exhibition Center
- Stadium Hangar/Airport

### Lifespan and Warranty

| Operating Temperature | -30°C to +45°C |
|---|---|
| Life Time of LED @Ta=25°C | 52000hrs-L90 |
| | 105000hrs-L80 |
| | 164000hrs-L70 |
| Warranty | 5 Years |

### New Features

| 1. 65.9°C High Temperature Solution |
|---|
| 2. Emergency Solution; Microwave motion sensor Solution; Surge protection Solution |
| 3. Ceiling mounting bracket ; ±90deg rotatable mounting bracket; Pole mount solution |
| 4. Dust-resistance Solution |
| 5. Anti-glare AL Reflector Solution |

***Please consult us for details.***

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## Photometry

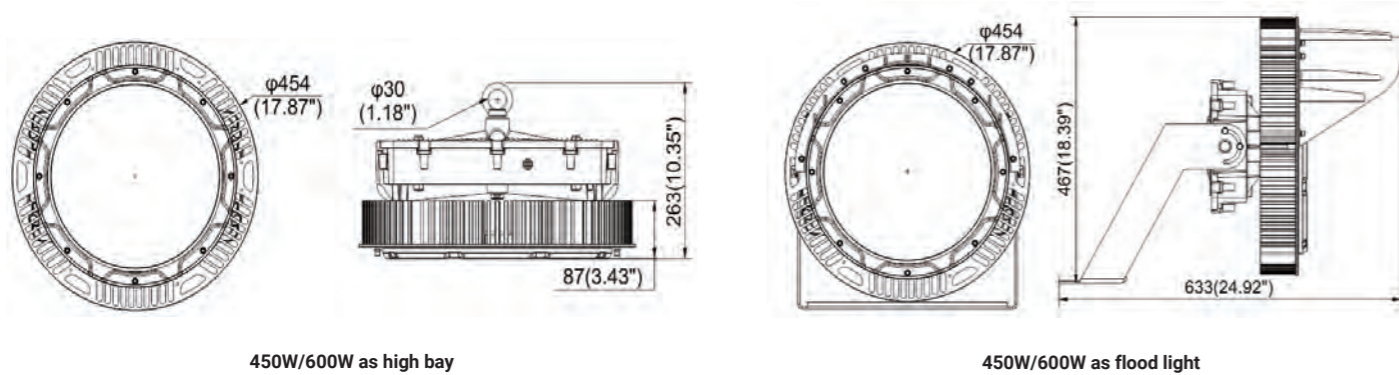| | | | | | |
|---|---|---|---|---|---|
| 90° PC Lens (H31201) | 60° PC Lens (H31202) | 30° PC Lens (H31203) | 15° PC Lens (H29201) | 120° Glass (H00A07) | 120° Clear PC cover (H00B18) |

## Mounting Options

Loop Hanging

Bracket Mounting

## Dimensions

Unit:mm

φ454 (17.87")
φ30 (1.18")
263(10.35")
87(3.43")

**450W/600W as high bay**

φ454 (17.87")
467(18.39")
633(24.92")

**450W/600W as flood light**

## Accessories

**Optic lens**
High transmittance PC materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.

**Aluminium reflectors**
Different beam angle, anti glare effect, black/silvery color options.

Code: H00D06 (90°)
Code: H00D07 (100°)

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**±90°adjustable bracket**
SPCC materials with outdoor powder coating.

Code: BC-H17-01

**Visor**
90°PC reflector with lid.

Code: BC-H17-02

**±45° adjustable bracket**
SPCC materials with outdoor powder coating.

Code: BC-H12-01 (100-200W)

**Pipe mount bracket**
support both 3/4 NPT.

Code: BC-H12-03 (100-200W)

**Safety chain**
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H06-03

**Daylight sensor**
1-10V DC input, IP20 rating, daylight Harvesting function.

**Microwave motion sensor**
120-277Vac input, IP65 rating, max detect height is 15m.

**Remote controller**

**PIR sensor**
120-277Vac input, IP65 rating, max detect height is 15m.

**Zigbee wireless controller**
1pcs for each luminaire.

**Zigbee gateway**
1pcs can control 100pcs fixtures.

**Zigbee microwave motion sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

**Zigbee daylight sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

## Electrical Information

| Model No. | HB18-030 | HB18-050 | HB18-75 | HB18-100 | HB18-120 | HB18-150 | HB18-180 |
|---|---|---|---|---|---|---|---|
| Power Consumption(±5%) | 30W | 50W | 75W | 100W | 120W | 150W | 180W |
| Power Supply | SOSEN | | | | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | | | | |
| Power Factor | >0.92 | | | | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | | | | |
| Driver Type | Constant Current (CC) | | | | | | |
| Control | dimmable, DALI | | | | | | |

## Optic Information

| LED Type | LED 2835 | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 4350lm | 7250lm | 10875lm | 14500lm | 17400lm | 21750lm | 26100lm |
| Efficacy(@5000K Ra80) | 145lm/W | | | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | | | |
| Color Rendering Index | Ra80 | | | | | | |
| Beam Angle | H00107+H00C03-A, H00104+H00C03-A, H00103+H00C03-A | | | H00A09+H00C01A | | | |
| UGR level | 22 | | | | | | |

## Dimentions and Mount

| Product Dimension | φ278×276mm | | φ421×385mm | |
|---|---|---|---|---|
| Luminaire Net Weight | 2.5±0.3kg | 5.3±0.3kg | 5.6±0.3kg | 5.7±0.3kg |
| Export Carton Size | 320x320x315mm | | 355×355×275mm | |
| Gross Weight | 3.5±0.3kg | 6.0±0.3kg | 6.3±0.3kg | 6.4 ±0.3kg |
| Mounting Option | Loop Mounting | | | |
| Material | Aluminum Alloy | | | |
| | Tempered Glass/Polycarbonate Optical Lens | | | |
| Finish | Powder Coating | | | |
| Fixture Color | White | | | |
| EPA | NA | | | |
| IK Rating | IK08 | | | |
| IP Rating | IP65 | | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 76000hrs-L80 |
| | 120000hrs-L70 |
| Warranty | 5 Years |

## New Features

*Please consult us for details.*

## Description

HiWide with an ingenious design, snow white lamp body well matched with PC diffuser, is exceptional for different commercial applications, such as shopping-mall, large plazas, large Docking, etc. It is integrated with PC diffuser which makes efficacy up to 140lm/w but low anti-glare. Simple and stylish outlook is a heavenly solution to your aesthetically demanding spaces.

## Key Features

- 145 lm/W.
- Full wattage:30W, 50W, 75W, 100W, 120W, 150W, 180W.
- Low UGR solution optional
- Intelligent control: 1-10V, DALI.
- PC reflector normal configuration .

## Applications

- Indoor and outdoor high ceiling application
- Warehouse
- Factory
- Industrial facility
- Chemical Facilities
- Exhibition centers
- Shopping malls
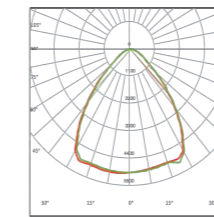- Stadiums
- Toll stations

CE CB RoHS SAA
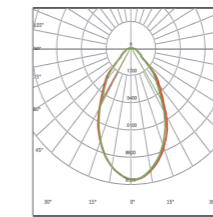
## Photometry

**30W-75W beam angle**
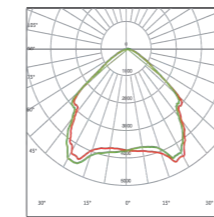


H00107+H00C03-A



H00104+H00C03-A



H00103+H00C03-A

**100W-180W beam angle**
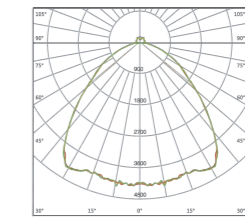


H00A09+H00C01A

## Mounting Options



Loop mounting

## Dimensions



30W/50W/75W

Ø421mm(16.57")

Ø30mm(1.18")
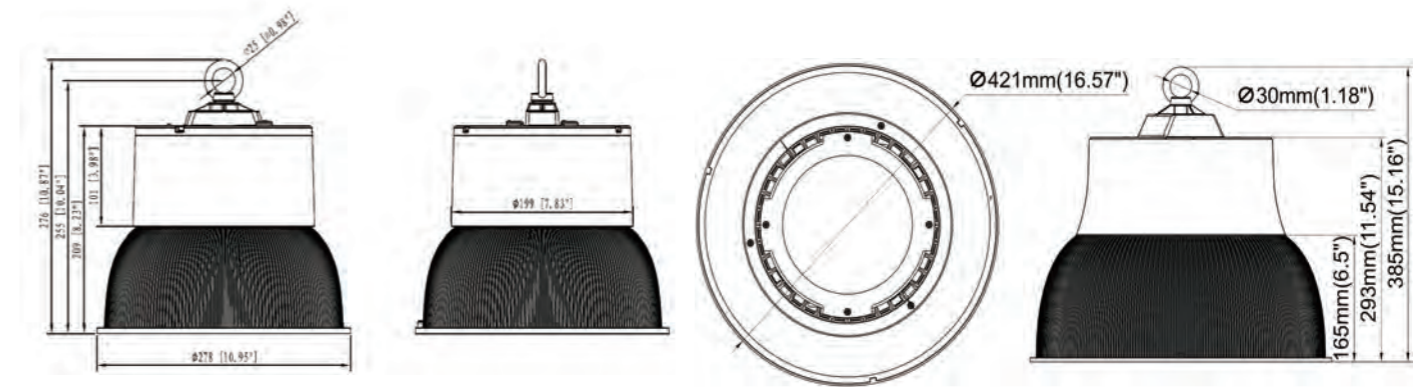
100W/120W/150W/180

## Accessories

**Safety chain**
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H01-01a

**PC reflector**
90° PC reflector with lid.

Code: H00C03A+H00C03B (90°) (30W-75W)
Code: H00C01A+H00C01B (90°) (100W-180W)

## Electrical Information

| Model No. | HB21-100 | HB21-120 | HB21-150 | HB21-200 | HB21-240 |
|---|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 120W | 150W | 200W | 240W |
| Power Supply | MEAN WELL | | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | | |
| Power Factor | >0.92 | | | | |
| Surge Protection | 2kV line-line, 4kV line-earth | | | | |
| Driver Type | Constant Current (CC) | | | | |
| Control | dimmable, DALI, Microwave Motion Sensor | | | | |

## Optic Information

| LED Type | LED 3030 | | | | |
|---|---|---|---|---|---|
| Luminous Flux (±10%) | 15000lm | 18000lm | 22500lm | 30000lm | 36000lm |
| Efficacy(@5000K Ra70) | 150lm/W | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | |
| Beam Angle | H55501, H00B18 | | | | |
| UGR level | 26 | | | | |

## Description

HB21 LED highbay is specially design for food processing applications. The lamp body is arched perfectly which makes not only asthetic but also easy to clean. A built-in microwave motion sensor makes it convenient to be adjusted after installation. Intelligent detection saves more energy.

## Dimentions and Mount

| Product Dimension | φ520×223mm | |
|---|---|---|
| Luminaire Net Weight | 8.9±0.3kg | 9.1±0.3kg |
| Export Carton Size | 580×580×272mm | |
| Gross Weight | 10.8±0.3kg | 11.0±0.3kg |
| Mounting Option | Loop Mounting | |
| Material | Aluminum Alloy | |
| | Polycarbonate Optical Lens | |
| Finish | Powder Coating | |
| Fixture Color | White | |
| EPA | NA | |
| IK Rating | IP69K | |
| IP Rating | IP66 | |

## Key Features

- Smooth exterior and no exposed fasteners
- Contains no glass and toxic material for food safety
- Well-sealed with dust tight and waterproof rating of IP66
- Equipped with Microwave sensor modules and set by remote controller after installation
- The smooth, seamless and downward angled aluminum alloy housing design ensures zero residue remains after wash down
- Super high efficacy up to 150 LM/W
- 100-277VAC & 277-480VAC available

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 56,000hrs-L90 |
| | 125,000hrs-L80 |
| | 203,000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Food Processing Plant
- Warehouse
- Factory
- Pharmaceutical Manufacturing Facilities
- Chemical Facilities
- Beverage Processing
- Poultry and Meat Processing
- Pet-food Production
- Grain and Sugar Production
- Any area demanding a well sealed, smooth high output LED light fixture

## New Features

*\* Please consult us for details.*
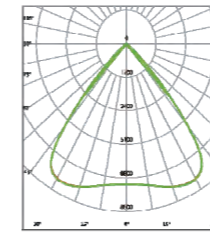
## Photometry



H55501          H00B18
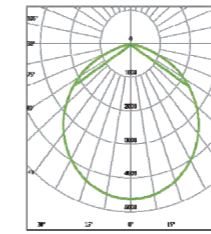
## Mounting Options



Loop mounting

## Dimensions
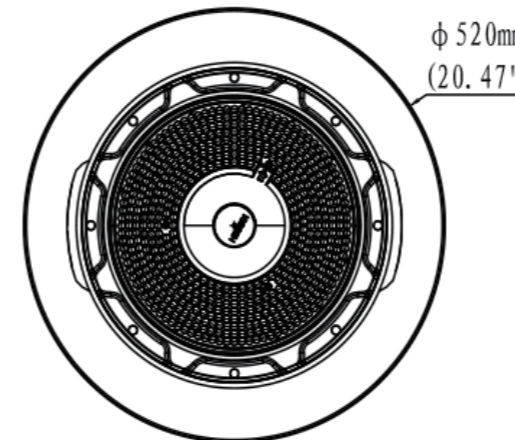


φ 520mm (20. 47")
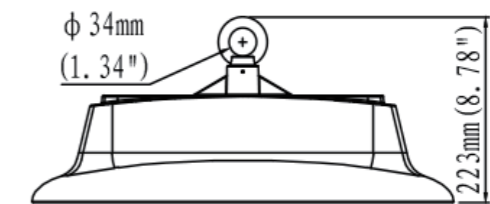
φ 34mm (1. 34")

223mm (8. 78")

**100W-240W**

## Accessories



**Optic lens**
High transmittance PC materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.



**Safety chain**
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H06-01



**Microwave motion sensor**
120-277Vac input, IP65 rating, max detect height is 15m.

## Electrical Information

| Model No. | HB32-100 | HB32-150 | HB32-200 |
|---|---|---|---|
| Power Consumption(±5%) | 100W | 150W | 200W |
| Power Supply | Philips Driver | | |
| Input Voltage | 100-240 VAC  50 / 60 Hz | | |
| Power Factor | >0.92 | | |
| Surge Protection | 4kV line-line, 6kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | Dimmable and Non-dimmable | | |

## Optic Information

| LED Type | LED 3030 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 15000lm | 2250lm | 30000lm |
| Efficacy (5000K Ra70) | 150 LM/W | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | |
| Beam Angle | H55601/H55602/H00108/H00111/H00115/H11401 | | |
| UGR level | <25 | | |

## Dimentions and Mount

| Product Dimension | φ360 x 301mm | φ360 x 379mm |
|---|---|---|
| Luminaire Net Weight | 3.9±0.3kg | 4.3±0.3kg |
| Export Carton Size | 420×420×212mm | |
| Gross Weight | 5.0kg±0.3kg | 5.4kg±0.3kg |
| Mounting Option | Loop Hanging | |
| | Ceiling Mounting | |
| Material | Aluminum Alloy | |
| | Polycarbonate Optical Lens | |
| Finish | Powder Coating | |
| Fixture Color | Black | |
| EPA | NA | |
| IK Rating | IK08 | |
| IP Rating | IP65 | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 51000hrs-L90 |
| | 102000hrs-L80 |
| | 151000hrs-L70 |
| Warranty | Ta 50℃ -10 Years |
| | Ta 65℃ - 5 Years |

## Description

No dust accumulation design will help the fixture better heat dissipation and work longer. HB32 high bay will be an excellent luminiare for heavy dust area, like carpenter,  workshop, paper processing area, etc.

## Key Features

- Dust-free accumulation design, better heat dissipation.
- Superior heat dissipation design for working temperature  up to Ta65℃.
- Well-sealed with dust tight and waterproof rating of IP65.
- Multiple mounting options.
- Super high efficacy up to 150 LM/W.

## Applications

- Warehouse
- Industrial Facility
- Exhibition Center
- Shopping Mall
- Gymnasium
- Airport
- Toll Station and so on

## New Features

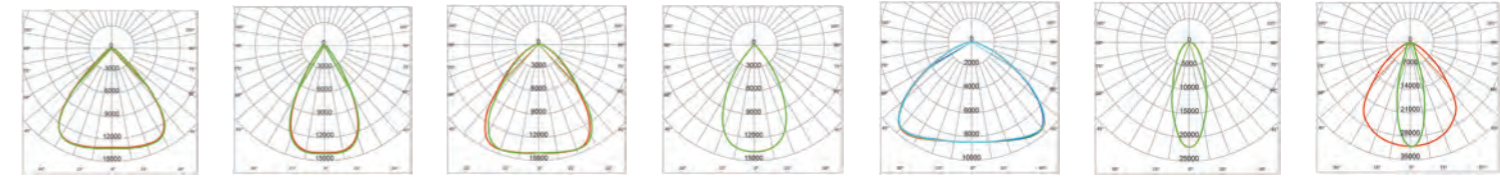*Please consult us for details.*

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## Photometry



H55601
(85° dotted lens)

H55602
(60° dotted lens)

H00108
(90° circular Lens)

H00111
(60° circular Lens )

H00115
(120° circular Lens)

H00121
(40° circular Lens)

H11401
(40*100° Strip Lens)
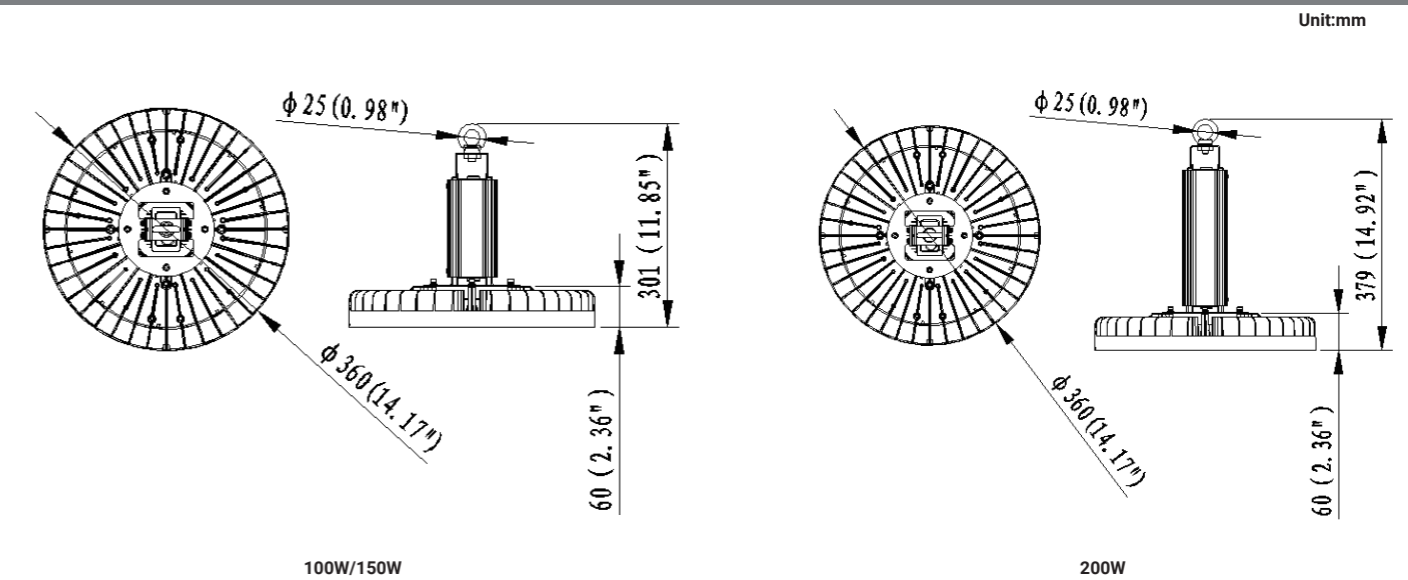
## Mounting Options



Loop Hanging

Ceiling Mounting

## Dimensions

Unit:mm



100W/150W

200W

## Accessories

**Optic lens**
High transmittance PC materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.

**Aluminium reflectors**
Different beam angle, anti glare effect, black/silvery color options.

Code: H00D09 (90°）
Code: H00D07 (100°）

Version: 3.0

**PC reflector**
90° PC reflector with lid.

Code: H00C12

**Safety chain**
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H01-01a

**±45° adjustable bracket**
SPCC materials with outdoor powder coating.

Code: BC-H25-03

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# Specifications - HB31 LED High Bay

Version: 3.0

HB31

## Electrical Information

| Model No. | HB31-100 | HB31-120 | HB31-150 | HB31-200 |
|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 120W | 150W | 200W |
| Power Supply | PHILIPS driver | | | |
| Input Voltage | 220-240 VAC , 50 / 60 Hz | | | |
| Power Factor | ≥0.92 | | | |
| Surge Protection | 2kV line-line,4kV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | Non-dimmable, DALI Control | | | |

## Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 16500lm | 19800lm | 24750lm | 33000lm |
| Efficacy(@5000K Ra70) | 165 LM/W | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | H00A12 | | | |
| UGR level | NA | | | |

## Description

HB31 highbay light special designed for high working temperature industrial ambient, even for up to 65~70°C. Advanced thermal management system allows superior heat dissipation ensuring long life with minimal lumen depreciation. 5 years warranty is offered for such harsh environment.

## Dimentions and Mount

| Product Dimension | φ400x306.5mm | |
|---|---|---|
| Luminaire Net Weight | 7.89±0.3kg | 7.96±0.3kg |
| Export Carton Size | 455x455x360mm | |
| Gross Weight | 9.66±0.3kg | 9.73±0.3k |
| Mounting Option | Loop Hanging/Ceiling Mounting | |
| Material | Aluminum Alloy | |
| | Glass cover | |
| Finish | Powder Coating | |
| Fixture Color | black | |
| EPA | NA | |
| IK Rating | IK07 | |
| IP Rating | IP65 | |

## Key Features

- Working temperature up to 70°C
- High performance LED design delivering up to 165 lm/W, up to 33000lm
- Four wattages 100W, 120W, 150W, 200W
- IP65 rating
- Outstanding cooling performance with excellent air cross-ventilation design
- 50,000 hours, long life at L70@70°C

## Lifespan and Warranty

| Operating Temperature | -30°C to + 70°C |
|---|---|
| Life Time of LED @Ta=25°C | 70000hrs-L90 |
| | 152000hrs-L80 |
| | 244000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Warehouse
- Industrial Facility
- Exhibition Center
- Shopping Mall
- Gymnasium
- Stations

## New Features

*\* Please consult us for details.*

## Photometry



Clear Glass

## Mounting Options



Loop mounting



Ceiling mounting

## Dimensions

Unit:mm



∅ 30 (1.18")

∅ 400 (15.75")

306.5 (12.07")

71 (2.8")
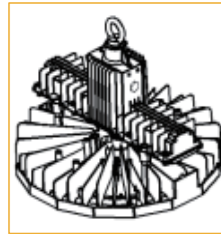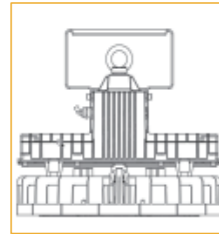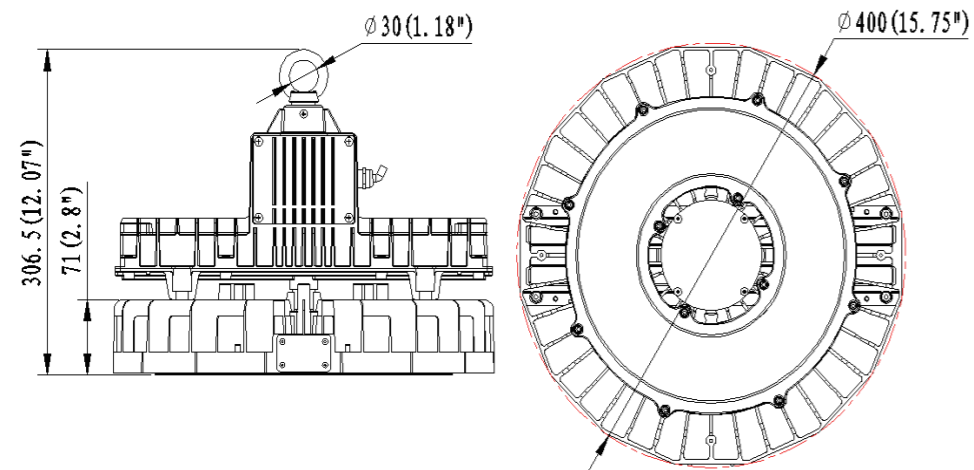
100W/120W/150W/200W

## Accessories
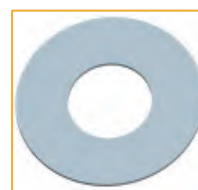


**Tempered glass**
Tempered glass

Code: H00A12



**Aluminium reflectors**
Different beam angle, anti glare effect, black/silvery color options.

Code: H00D09 (90°)

**Ceiling mount bracket**
SPCC materials with outdoor powder coating, Non adjustable.

Code: BC-H31-01



**Safety chiain**
safety chain
(250mm chain, 8+8=340mm)

Code: SC-H01-01a

CE  RoHS

## Description

Built-in microwave sensor makes HB35 compact and looks small. No dust accumulation design will help the fixture better heat dissipation and work longer. HB35 high bay will be an excellent luminaire for heavy dust area, like carpenter workshop, paper processing area, etc.

## Key Features

- Dust-free accumulation design, better heat dissipation.
- Built-in microwave motion sensor, looks much compact.
- Well-sealed with dust tight and waterproof rating of IP65.
- Multiple mounting options.

## Applications

- Warehouse
- Industrial Facility
- Exhibition Center
- Shopping Mall
- Gymnasium
- Airport
- Toll Station and so on

### Electrical Information

| Model No. | HB35-100 | HB35-120 | HB35-150 | HB35-200 | HB35-240 |
|---|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 120W | 150W | 200W | 240W |
| Power Supply | SOSEN | | | | |
| Input Voltage | 100-240 VAC  50 / 60 Hz | | | | |
| Power Factor | >0.95 | | | | |
| Surge Protection | 6kV line-line,10kV line-earth | | | | |
| Driver Type | Constant Current (CC) | | | | |
| Control | Dimmable, DALI, Microwave Sensor | | | | |
| | Zigbee Wireless Control | | | | |

### Optic Information

| LED Type | LED 3030 | | | | |
|---|---|---|---|---|---|
| Luminous Flux (±10%) | 14500lm | 17400lm | 21750lm | 29000lm | 36000lm |
| Efficacy (5000K Ra80) | 145 LM/W | | | | 150 LM/W |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | |
| Color Rendering Index | Ra80 | | | | |
| Beam Angle | H55601/H55602/H00108/H00111/H00115/H00121 | | | | |
| UGR level | ＜25 | | | | |

### Dimentions and Mount

| Product Dimension | φ365 x 244mm | | |
|---|---|---|---|
| Luminaire Net Weight | 5.5±0.3kg | 5.6±0.3kg | 5.7±0.3kg |
| Export Carton Size | 410×410×240mm | | |
| Gross Weight | 6.8±0.3kg | 6.9±0.3kg | 7.0±0.3kg |
| Mounting Option | Loop Hanging | | |
| | Ceiling Mounting | | |
| Material | Aluminum Alloy | | |
| | Polycarbonate Optical Lens | | |
| Finish | Powder Coating | | |
| Fixture Color | Black | | |
| EPA | NA | | |
| IK Rating | IK10 | | |
| IP Rating | IP65 | | |

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 53,000hrs-L90 |
| | 82000hrs-L80 |
| | 131000hrs-L70 |
| Warranty | 5 Years |

### New Features

*\* Please consult us for details.*

---

### Photometry

| H55601 (85° dotted lens) | H55602 (60° dotted lens) | H00108 (90° PC Lens) | H00111 (60° PC Lens ) | H00115 (120° PC Lens) | H00121 (40° PC Lens) | H11401 (40*100° Strip Lens) |
|---|---|---|---|---|---|---|

### Mounting Options

Loop Hanging          Ceiling Mounting

### Dimensions

**Unit: mm**

Ø34 (1.34")

Ø365 (14.37")

72 (2.83")

244 (9.60")

**100W-240W**

### Accessories

**Optic lens**
High transmittance PC materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.

**Aluminium reflectors**
Different beam angle, anti glare effect, black/silvery color options.

Code: H00D09(90°)

**PC reflector**
90° PC reflector with lid.

Code: H00C12

**Safety chain**
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H01-01a

**PIR sensor**
12Vdc input, IP65 rating, max detect height is 15m.

**Zigbee wireless controller**
1pcs for each luminaire.

**Zigbee gateway**
1pcs can control 100pcs fixtures.

**Zigbee daylight sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

**Ceiling mount bracket**
SPCC materials with outdoor powder coating, Non adjustable.

Code: BC-H01-01 (100-240W)
Code: BC-H01-01a (300W)

**Microwave motion sensor**
12Vdc input, IP65 rating, max detect height is 15m.

**Remote controller**
For motion sensor and PIR sensor.

**Zigbee microwave motion sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

CE    RoHS

## Description

HB37 equipped with high performance LED source, 450W with 160lm/w get up to 72000 total lumen. Perfect replace 1000W HID/Metal Halide lamp. Die-casting Aluminum allows superior thermal management to ensure long lifetime. Multiple beam angle for option ,including narrow 15deg to get directional illumination to far distance. Fixtures are rated for ambient operating temperature range -30°C to 50°C.  Superior design with IP66 waterproof, as ideal solution for indoor high ceiling mounting in factory,warehouse, sports hall and outdoor high mast application.

## Key Features

- UFO shape high power high bay and floodlight.
- 450W delivers high lumen package 72,000lm.
- Lighter weight heat sink but has good thermal management too.
- HB37 is the best retrofit choice of 1000W old high bay

## Applications

- High ceiling application
- Large equipment factory
- Exhibition Center
- Stadium  Hangar/Airport

### Electrical Information

| | |
|---|---|
| **Model No.** | HB37-450 |
| **Power Consumption (±5%)** | 450W |
| **Power Supply** | Inventronics |
| **Input Voltage** | 100-240 VAC, 50 / 60 Hz |
| **Power Factor** | ≥0.92 |
| **Surge Protection** | 6kV line-line, 10kV line-earth |
| **Driver Type** | Constant Current (CC) |
| **Control** | dimmable, DALI, Daylight Sensor, Microwave Sensor, PIR Sensor |
| | Zigbee Wireless Control |

### Optic Information

| | | |
|---|---|---|
| **LED Type** | LED 5050 | LED 3737 |
| **Luminous Flux (±5%)** | 72000LM | 63000LM |
| **Efficacy(5000K Ra70)** | 160 LM/W | 140 LM/W |
| **Correlated Color Temperature** | 5000K (3000K, 4000K optional) | |
| **Color Rendering Index** | Ra70 (Ra80 optional) | |
| **Beam Angle** | H31201, H31202, H31203 | H29201 |
| **UGR level** | 22 (H29201) | |

### Dimentions and Mount

| | |
|---|---|
| **Product Dimension** | φ426x260mm (φ16.77" x10.24") |
| **Luminaire N.W** | 13.2±0.3kg (29.10±0.66Lbs) |
| **Export Carton Size** | 490x320x495mm (19.29" x12.60" x 19.49") |
| **Gross Weight** | 15±0.3kg(33.07±0.66Lbs) |
| **Mounting Option** | Loop Hanging |
| | Bracket Mounting |
| **Material** | Aluminum Alloy |
| | Polycarbonate Optical Lens |
| **Finish** | Powder Coating |
| **Fixture Color** | Black |
| **EPA** | NA |
| **IK Rating** | IK08 |
| **IP Rating** | IP65 |

### Lifespan and Warranty

| | |
|---|---|
| **Operating Temperature** | -30°C to + 50°C(-22°F to 122°F) |
| **Life Time of LED @Ta=25°C** | 82000hrs-L80 |
| | 131000hrs-L70 |
| **Warranty** | 5 Years |

### New Features

*Please consult us for details.*

## Photometry

H29201

H31203

H31202

H31201

## Mounting Options

Loop mounting

Bracket Mounting

## Dimensions

**Unit:mm**

φ30(1.18")

406 (15.98")

640 (25.20")

208 (8.19")

260 (10.24")

453 (17.83")

83 (3.26")

φ426 (16.77")

φ426 (16.77")

**450W as high bay**

**450W as flood light**

## Accessories

**Optic lens**
High transmittance PC materials,
UV test approval.

Code: please refer to **Photometry** for different
beam angle.

**Aluminium reflectors**
Different beam angle, anti glare effect,
black/silvery color options.

Code: H00D06 (90°)
Code: H00D07 (100°)

**±90°adjustable bracket**
SPCC materials with outdoor powder coating.

Code: BC-H17-01

**Visor**
90°PC reflector with lid.

Code: BC-H17-02

**Safety chain**
304 stainless steel, available for 0.25m, 1m,
1.5m and 5m long.

Code: SC-H06-03

**Daylight sensor**
1-10V DC input, IP20 rating,
daylight Harvesting function.

**Microwave motion sensor**
120-277Vac input, IP65 rating,
max detect height is 15m.

**Remote controller**

**PIR sensor**
120-277Vac input, IP65 rating,
max detect height is 15m.

**Zigbee wireless controller**
1pcs for each luminaire.

**Zigbee gateway**
1pcs can control 100pcs fixtures.

**Zigbee daylight sensor**
An optional sensor control for Zigbee system,
100-277Vac input, IP65 rating.

**Zigbee microwave motion sensor**
An optional sensor control for Zigbee system,
100-277Vac input, IP65 rating.

# Specifications - HB39 LED High Bay Light

**Version: 3.0**

## Electrical Information

| Model No. | HB39-100 | HB39-120 | HB39-150 |
|---|---|---|---|
| Power Consumption(±5%) | 100W | 120W | 150W |
| Power Supply | SOSEN | | |
| Input Voltage | 100-240 VAC  50 / 60 Hz | | |
| Power Factor | >0.95 | | |
| Surge Protection | 4kV line-line, 4kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | dimmable, DALI, Microwave Sensor | | |
| | Zigbee Wireless Control | | |

## Optic Information

| LED Type | LED 3030 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 14000lm | 16800lm | 21000lm |
| Efficacy(5000K Ra80) | 140lm/W | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | |
| Color Rendering Index | Ra80 | | |
| Beam Angle | H00125, H00128, H00129 | | |
| UGR level | <28 | | |

## Description

HB39 is a medium/high-end dustproof clean lamp, suitable for retail and wholesale. A variety of installation methods, lifting ring, hook, hanging pipe optional, and beautiful appearance, light weight, appearance diameter of about 400mm.

## Dimentions and Mount

| Product Dimension | φ398×211mm |
|---|---|
| Luminaire Net Weight | 4.66±0.3kg |
| Export Carton Size | 450x450x245mm |
| Gross Weight | 5.9±0.3kg |
| Mounting Option | Loop Hanging |
| | Hook Mounting, Pipe Mounting |
| Material | Aluminum Alloy |
| | Polycarbonate Optical Lens |
| Finish | Powder Coating |
| Fixture Color | White |
| EPA | NA |
| IK Rating | IK08 |
| IP Rating | IP66 & IP69K |

## Key Features

- Light efficiency: 140lm/w
- Multiple lighting distribution option, dotted lens with better glare control.
- Built-in motion sensor, more compact size
- Various accessories are available• IP66 & IP69K/IK08 double protection

## Lifespan and Warranty

| Operating Temperature | -30°C to + 45°C |
|---|---|
| Life Time of LED @Ta=25°C | 53,000hrs-L90 |
| | 82000hrs-L80 |
| | 131000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Warehouse
- Industrial Facility
- Exhibition Center
- Shopping Mall
- Gymnasium
- Airport
- Toll Station and so on

## New Features

*\* Please consult us for details.*

## Photometry



H00129          H00125          H00128

## Mounting Options



Loop Hanging          Hook Mounting          Pipe Mounting

## Dimensions

**Unit:mm**



CB  CE  SAA  RoHS  NSF A&C Lighting Co.,Ltd
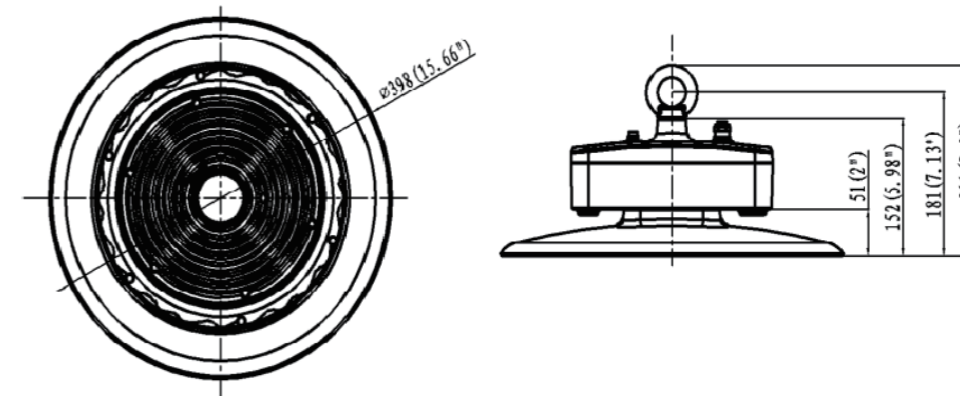
**Optic lens**
High transmittance PC materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.

**Aluminium reflectors**
Different beam angle, anti glare effect, black/silvery color options.
Code: H00D02 (90°)
Code: H00D04 (110°)
Code: H00D03 (65°)

**PC reflector**
90° PC reflector with lid.

Code: H00C01A+H00C01B (90°)

**Safety rope**
304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long.

Code: SC-H01-01a

**Microwave motion sensor**
12Vdc input, IP65 rating, max detect height is 15m.

# Specifications - HB43 Swirl LED High Bay

Version: 3.0

HB43

## Electrical Information

| Model No. | HB43-100 | HB43-120 | HB43-150 | HB43-200 |
|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 120W | 150W | 200W |
| Power Supply | Sosen | | | |
| Input Voltage | 100-240VAC, 50 / 60 Hz | | | |
| Power Factor | >0.95 | | | |
| Surge Protection | 4kV line-line, 4kV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | Dimmable and Non-dimmable, Microwave Motion Sensor | | | |
| | PIR Sensor | | | |

## Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 15000lm | 18000lm | 22500lm | 30000lm |
| Efficacy(5000K Ra70) | 150lm/W | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | H00130 (Wide/Medium/Narrow adjustable) | | | |
| UGR level | 28 | | | |

## Description

Swirl has an exquisite and compact design, as like butterfly spreading wings to dancing. Die-casting robust housing with anti-corrosion surface treatment and ingenious air cross-ventilation structure design support superior heat dissipation conditions to ensure a long lifespan. With the zoomable optic design, 65°/85°/100° are changeable through simple rotation on optics. No need to change the lens anymore. One model in stock means 3 solutions in hand.

## Dimentions and Mount

| Product Dimension | φ290×167mm | | | φ320×167mm |
|---|---|---|---|---|
| Luminaire Net Weight | 2.0±0.3kg | | 2.3±0.3kg | 3 .0± 0.3kg |
| Export Carton Size | 350x350x227mm | | | 380x380x225mm |
| Gross Weight | 2.8±0.3kg | | 3.1±0.3kg | 4.2±0.3kg |
| Mounting Option | Loop Hanging | | | |
| | Ceiling Mounting | | | |
| Material | Aluminum Alloy | | | |
| | Polycarbonate Optical Lens | | | |
| Finish | Powder Coating | | | |
| Fixture Color | Black | | | |
| EPA | NA | | | |
| IK Rating | IK07 | | | |
| IP Rating | IP42 | | | |

## Key Features

- Adjustable light distributions for different project needs
- Lumen output selectable, one fixture for four wattage.
- Compatible with PIR & Microwave motion sensor
- Large size heat sink helps the body better heat dissipation
- PC and ALU Reflectors are available.

## Lifespan and Warranty

| Operating Temperature | Normal : -30°C to + 50°C |
|---|---|
| | Sensor version : 0°C to + 50°C |
| Life Time of LED @Ta=25°C | 80000 hrs-L80 |
| | 127000 hrs-L70 |
| Warranty | 5 Years |

## Applications

- Warehouse
- Industrial Facility
- Exhibition Center
- Shopping Mall
- Gymnasium
- Airport
- Toll Station and so on.

## New Features

*Please consult us for details.*

Version: 3.0

Version: 3.0

HB43

## Photometry



H00130(Narrow)

H00130 (Medium)

H00130 (Wide)

W-Wide beam

M-Medium beam

N-Narrow beam

## Mounting Options



Loop hanging

Ceiling mounting

## Dimensions(Unit: mm/inch)

Unit:mm



100W/120W (without sensor)

150W (without sensor)

200W (without sensor)
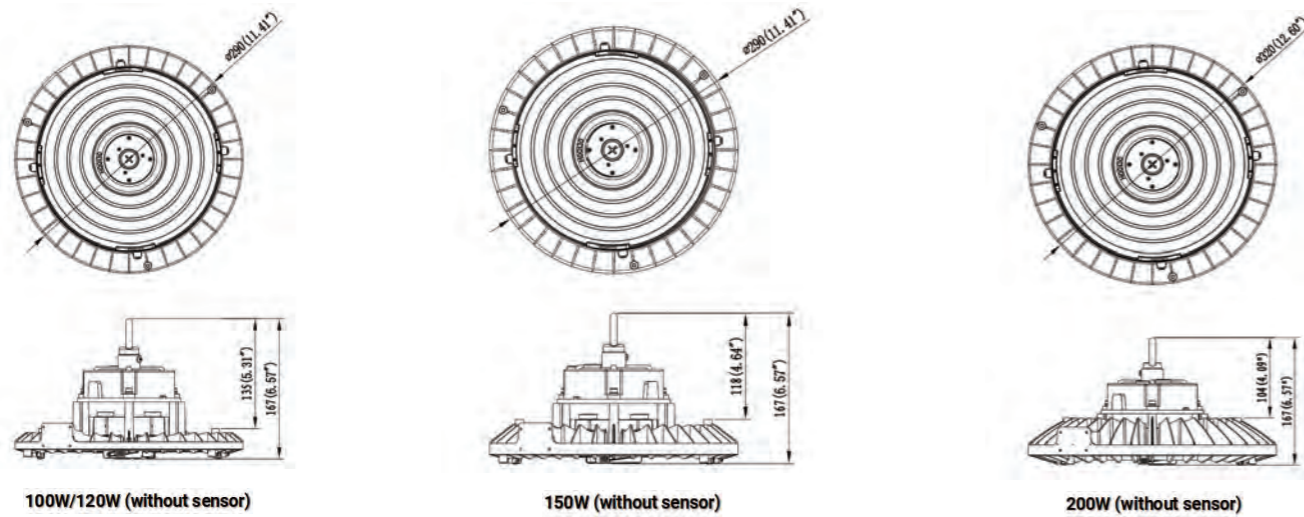
## Accessories

**Aluminium reflectors**
Different beam angle, anti glare
effect, black/silvery color options.
Code: H00D02 (90°)
Code: H00D04 (110°)
Code: H00D03 (65°)

**PC reflector**
90° PC reflector with lid.

Code: H00C01A+H00C01B (90°)

**Safety chain**
304 stainless steel, available for
0.25m, 1m, 1.5m and 5m long.

Code: SC-H01-01a

**PIR sensor**
12Vdc input, IP65 rating,
max detect height is 15m.

**±45° adjustable bracket**
SPCC materials with outdoor powder coating.

Code: BC-H12-01

**Microwave motion sensor**
12Vdc input, IP65 rating,
max detect height is 15m.

**Remote controller**
For motion sensor and PIR sensor.

**Microwave motion sensor**
12Vdc input, IP65 rating,
max detect height is 15m.

tuya  Bluetooth

Version: 3.0

## Electrical Information

| Model No. | HB46-100 | HB46-150 | HB46-200 |
|---|---|---|---|
| Power Consumption(±5%) | 100W | 150W | 200W |
| Power Supply | SOSEN | | |
| Input Voltage | 100-277 VAC /277-480 VAC, 50 / 60 Hz | | |
| Power Factor | >0.92 | | |
| Surge Protection | 2kV line-line, 4kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | dimmable, Plug-and-Play PIR sensor, Microwave Sensor | | |
| | Zhaga Socket, Zigbee Wireless Control | | |

## Optic Information

| LED Type | LED 2835 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 14000lm | 21000lm | 28000lm |
| Efficacy(5000K Ra80) | 140lm/W | | |
| Correlated Color Temperature | 5000K (4000K optional) | | |
| Color Rendering Index | Ra80 | | |
| Beam Angle | H00C15 / H01401 | | H00C14/H01501 |
| UGR level | <28（H01401/H01501） | | |

## Dimentions and Mount

| Product Dimension | φ320x208mm (φ12.60"x8.19") | | φ360x208mm (φ14.17"x8.19") |
|---|---|---|---|
| Luminaire Net Weight | 3.68±0.2kg (8.11±0.44Lbs) | 3.73±0.2kg (8.22±0.44Lbs) | 4.38±0.2kg (9.65±0.44Lbs ) |
| Export Carton Size | 400x400x205mm(15.75"x15.75"x8.07") | | |
| Gross Weight | 4.63±0.3kg (10.2±0.66Lbs) | 4.67±0.3kg (10.29±0.66Lbs) | 5.51±0.3kg (12.15±0.66Lbs) |
| Mounting Option | Hook Hanging | | |
| | Yoke Mounting, Pendant Mounting | | |
| Material | Aluminum Alloy | | |
| | Polycarbonate Optical Lens | | |
| Finish | Powder Coating | | |
| Fixture Color | White | | |
| EPA | NA | | |
| IK Rating | IK10 | | |
| IP Rating | IP65 & IP69K | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 45°C (-22°F to 113°F) |
|---|---|
| Life Time of LED @Ta=25°C | 38546 hrs-L90 |
| | 81637 hrs-L80 |
| | 130490 hrs-L70 |
| Warranty | 5 Years |

## Description

The LED Round High Bay HB46 delivers top of the line efficiency,durability and versatility. The polycarbonate prismatic lens distributes even illumination, minimizing glare while also guaranteeing long term durability. The Plug and play sensor would reduce energy consumption and cost significantly.

## Key Features

- Polycarbonate Prismatic Lens brings Visual Comfort to eyes
- 100-277V & 277-480V available
- Aesthetics Outlook
- Hook, pendant or yoke mounting
- IP65, IP69K rated
- Plug-and-play Sensor optional

## Applications

- Warehouse & storage
- Industrial facilities
- Sports facilities & gyms
- Manufacturing facilities
- Gymnasium
- Airport
- Retail centers

## New Features

*Please consult us for details.*

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## Photometry



H00C14 (200W)



H00C15 (100W/150W)

## Mounting Options



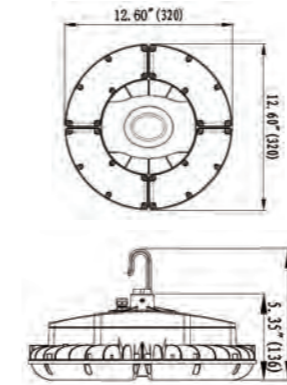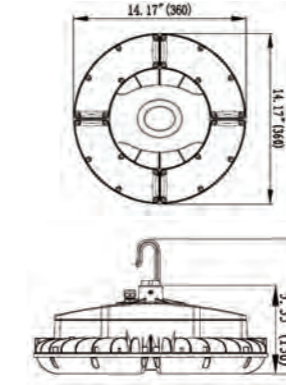Hook Mounting



Yoke Mounting

## Dimensions

Unit:mm



100W/150W



200W

## Accessories



**Plug-and-play Bi-level Microwave Motion Sensor**
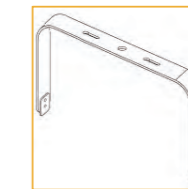
Code: ANT-5-4T



**Plug-and-play Bi-level PIR Sensor**
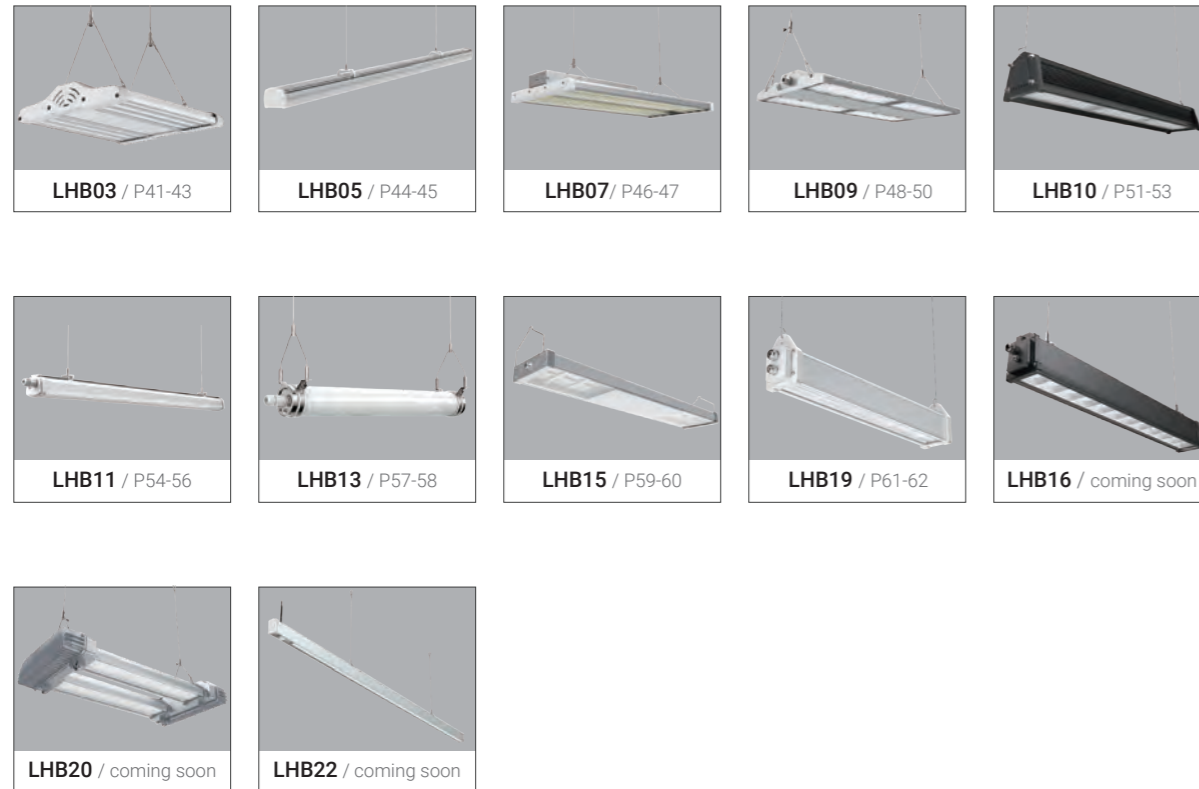
Code: ANT-6-4T



**Remote Controller for ANT-6-4T& ANT-5-4T**

Code: RC-100



**Yoke mount bracket**

Code: To be determined

# High-Bay Aisle Luminaires

| | | | | |
|---|---|---|---|---|
| **LHB03** / P41-43 | **LHB05** / P44-45 | **LHB07**/ P46-47 | **LHB09** / P48-50 | **LHB10** / P51-53 |

| | | | | |
|---|---|---|---|---|
| **LHB11** / P54-56 | **LHB13** / P57-58 | **LHB15** / P59-60 | **LHB19** / P61-62 | **LHB16** / coming soon |

| | |
|---|---|
| **LHB20** / coming soon | **LHB22** / coming soon |

LOW UGR

Ball test approval

Lumen output field adjustable

High efficiency

IP65 / IP66

Linear Trunking Systems

High-temperature

Food processing

Linkable Linear Light

CCT CCT Adjustable

Commercial/Retail Lighting
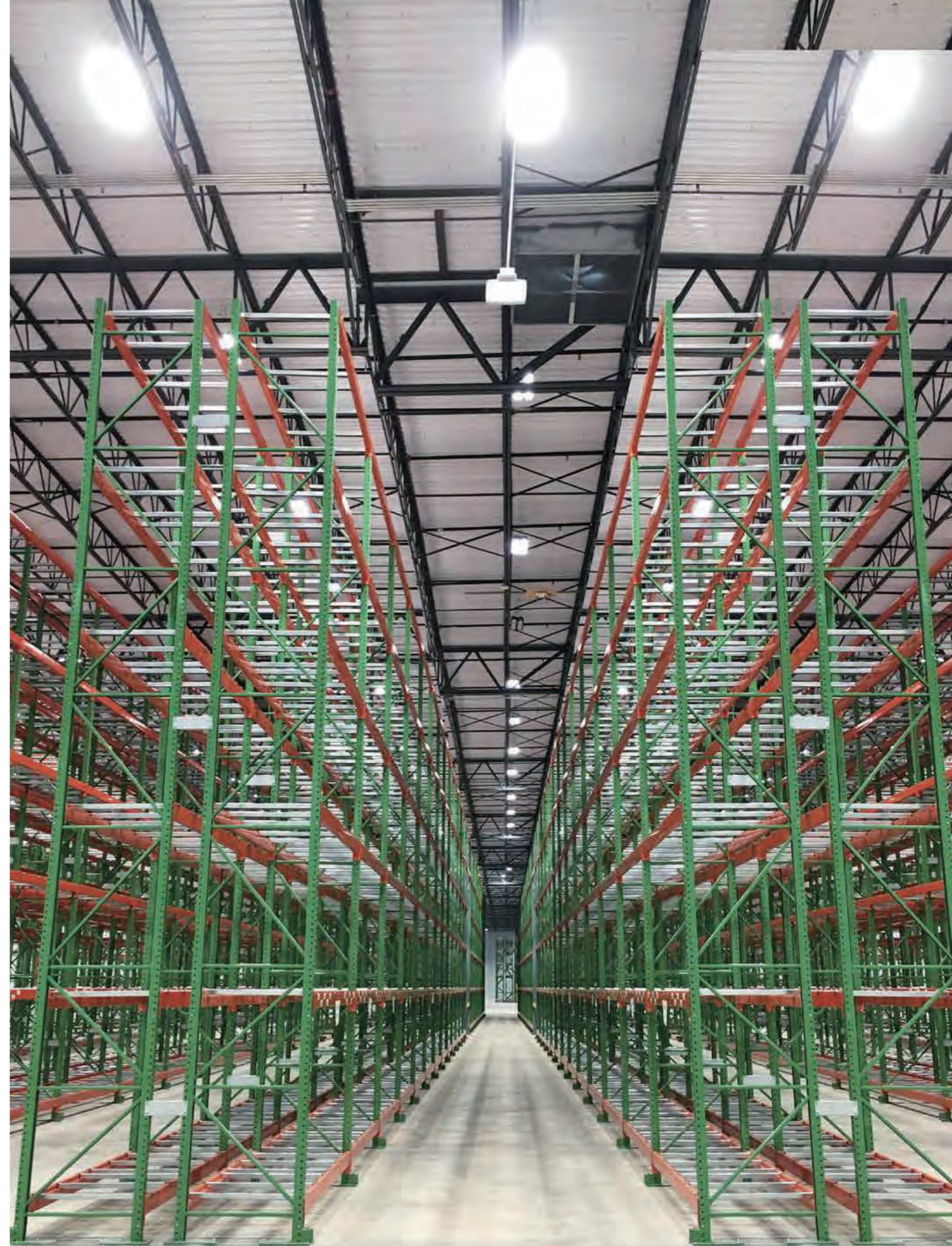
# Specifications - LHB03 HiPanel LED Linear Light

**Version: 3.1**

## Electrical Information

| Model No. | LHB03-060 | LHB03-090 | LHB03-120 | LHB03-150 | LHB03-180 | LHB03-300 |
|---|---|---|---|---|---|---|
| Power Consumption(±5%) | 60W | 90W | 120W | 150W | 180W | 300W |
| Power Supply | MEAN WELL, INVENTRONICS | | | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | | | |
| Power Factor | >0.93 | | | | | |
| Surge Protection | 2kV line-line, 4kV line-earth | | | | | |
| Driver Type | Constant Current (CC) | | | | | |
| Control | dimmable, DALI control, Microwave Sensor, Zigbee Wireless Control | | | | | |

## Optic Information

| LED Type | LED 3030 | | | | | |
|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 7800LM | 11700LM | 15600LM | 19500LM | 23400LM | 39000LM |
| Efficacy(5000K Ra70) | 130LM/W | | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | | |
| Beam Angle | L00301, L00302, L00303, L00304, L00305, L00306 | | | | | |
| UGR level | NA | | | | | |

## Description

HiPanel generates professional lighting distributions, perfectly matching different applications, The fixture provides an intelligent solution which could save more than 90% energy. Its specially-designed lens solves glare problem and provides more soft light for supermarket, warehouse lifter, exhibition center, etc.

## Key Features

- 60W - 90W - 120W - 150W - 180W - 300W
- Up to 135 Lumens per Watt
- Seven types of lens optional. Anti-glare control.
- Replaces traditional T5, T8.
- CCT: 3000K - 4000K - 5000K, CRI>70/CRI>80 optional
- Integrated smart controls: DALI, 1-10V dimming, motion sensor, Zigbee.
- Ambient temperature range is from -30°C to 50°C
- 5 years warranty

## Dimentions and Mount

| Product Dimension | 336×307×61mm | 621×307×61mm | 906×307×61mm |
|---|---|---|---|
| Luminaire Net Weight | 3.8±0.3kg | 6.6±0.3kg | 10.2±0.3kg |
| Export Carton Size | 395×175×360mm | 680×175×360mm | 965×105×360m |
| Gross Weight | 4.4±0.3kg | 7.2±0.3kg | 11.4±0.3kg |
| Mounting Option | Suspension Mounting | | |
| | Ceiling Mounting | | |
| Material | Aluminum Alloy | | |
| | Polycarbonate Optical Lens | | |
| Finish | Powder Coating | | |
| Fixture Color | Silvery | | |
| EPA | NA | | |
| IK Rating | IK10 | | |
| IP Rating | IP20 | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 64,000hrs-L90 |
| | 144,000hrs-L80 |
| | 235,000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Indoor and outdoor high ceiling application
- Warehouse
- Factory
- Industrial facility
- Chemical Facilities
- Exhibition centers
- Shopping malls
- Stadiums
- Toll stations

## New Features

- Emergency backup 8W, illumination time 3 hours.
- Daylight harvesting sensor, microwave sensor and PIR sensor are all compatible.
- ± 45° adjustable brackets
- Easily linkable
- Higher efficacy up to 160lm/w for optional.

*** Please consult us for details.***

## Photometry



L00301    L00302    L00303    L00304    L00305    L00306

## Mounting Options



Suspension mounting    Ceiling mounting

## Dimensions

Unit:mm



336

307

61

**60W/90W**

621

307

61

**120W/150W/180W**

906

307

61

**300W**

## Accessories

**Microwave motion sensor**
120-277Vac input, IP65 rating,
max detect height is 15m.

**Remote control**

**PIR sensor**
120-277Vac input, IP65 rating,
max detect height is 15m.

**Daylight sensor**
1-10V DC input, IP20 rating,
daylight Harvesting function.

**Zigbee wireless control**
1pcs for each luminaire.

**Zigbee gateway**
1pcs can control 100pcs fixtures.

**Zigbee daylight sensor**
An optional sensor control for
Zigbee system, 100-277Vac input,
IP65 rating.

**Zigbee microwave motion sensor**
An optional sensor control for
Zigbee system, 100-277Vac input,
IP65 rating.

**Ceiling mount bracket**
SPCC materials.

Code: BC-L03-01

# Specifications - LHB05 HiSlim LED Linear High Bay Light

**Version: 3.0**

CE    RoHS

## Electrical Information

| Model No. | LHB05-040 | LHB05-065 | LHB05-075 |
|---|---|---|---|
| Power Consumption(±5%) | 40W | 65W | 75W |
| Power Supply | OSRAM | | |
| Input Voltage | 220-240 VAC , 50 / 60 Hz | | |
| Power Factor | ≥0.90 | | |
| Surge Protection | 1kV line-line, 2kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | DALI | | |

## Optic Information

| LED Type | LED 3030 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 6200LM | 10075LM | 11625LM |
| Efficacy(5000K Ra70) | 155lm/W | | |
| Correlated Color Temperature | 5000K (3000K,4000K optional) | | |
| Color Rendering Index | Ra70 | | |
| Beam Angle | L00301, L00302, L00303 L00304, L00305, L00306 | | |
| UGR | NA | | |

## Description

The linkable linear light can be used in lighting projects of supermarket and shopping-mall, etc.

## Dimentions and Mount

| Product Dimension | 1532×61×53mm |
|---|---|
| Luminaire Net Weight | 2.2±0.3kg |
| Export Carton Size | 1600×250×160mm(6 pieces per carton) |
| Gross Weight | 16.7Kg(6pcs) |
| Mounting Option | Suspension mounting |
| Material | Aluminum Alloy |
| | Polycarbonate Optical Lens |
| Finish | Sand blasting |
| Fixture Color | Aluminum color |
| EPA | NA |
| IK Rating | NA |
| IP Rating | IP20 |

## Key Features

· System efficacy reaches up to 155lm/W
· High performance design with Nichia SMD.
· Multiple light distributions for differentt project needs
· 120W-180W HID Equivalent.

## Lifespan and Warranty

| Operating Temperature | -20°C to + 45°C |
|---|---|
| Life Time of LED @Ta=25°C | 71000hrs-L80 |
| | 156000hrs-L80 |
| | 252000hrs-L70 |
| Warranty | 5 Years |

## Applications

· Warehouse
· Supermarket
· Shopping-mall
· Retail Store

## New Features

*\* Please consult us for details.*

## Photometry

| | | | | | |
|---|---|---|---|---|---|
| L00301 | L00302 | L00303 | L00304 | L00305 | L00306 |

## Mounting Options

Suspension mounting

## Dimensions

Unit:mm

1452
1532

53
61
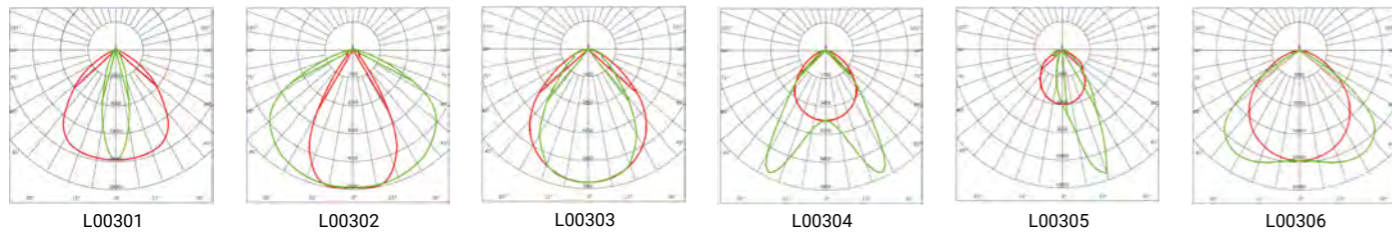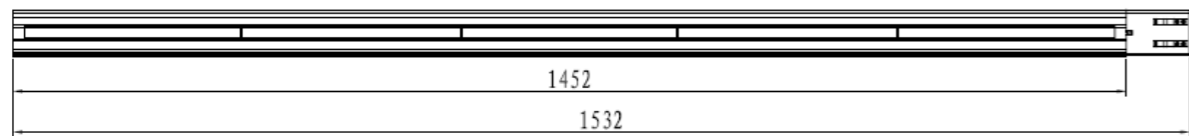
# Specifications - LHB07 LED Linear High Bay Light

Version: 3.0

CE SAA

## Electrical Information

| Model No. | LHB07-080/T | LHB07-120/T | LHB07-180/T |
|---|---|---|---|
| Power Consumption(±5%) | 80W | 120W | 180W |
| Power Supply | SOSEN | | |
| Input Voltage | 100-240 VAC / 100-277 VAC, 50 / 60 Hz | | |
| Power Factor | ≥0.92 | | |
| Surge Protection | 4kV line-line, 6kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | Motion sensor, PIR sensor, Zigbee Wireless Control | | |

## Optic Information

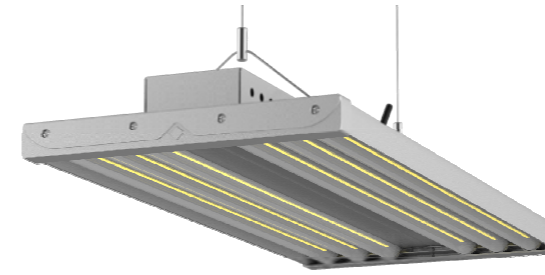| LED Type | SMD 2835 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 11600LM | 17400LM | 26100LM |
| Efficacy(4000K Ra70) | 145lm/W | | |
| Correlated Color Temperature | 5000K (3000K,4000K optional) | | |
| Color Rendering Index | Ra80 | | |
| Beam Angle | L00C01 | | |

## Description

HiFly A is a high-performance, classy and cost-effective solution.This energy-efficient high bay is ideal for supermarket, office, warehouses, gyms, distribution centers, industrial applications.

## Dimentions and Mount

| Product Dimension | 675×305×72mm | |
|---|---|---|
| Luminaire Net Weight | 4.4±0.3kg | 4.6±0.3kg |
| Export Carton Size | 735x120x365mm | |
| Gross Weight | 5.1±0.3kg | 5.3±0.3kg |
| Mounting Option | Suspension mounting | |
| Material | Aluminum Alloy | |
| | Polycarbonate Optical Lens | |
| Finish | Sand blasting, anodizing | |
| Fixture Color | Aluminum color | |
| EPA | NA | |
| IK Rating | NA | |
| IP Rating | IP20 | |

## Key Features

- System efficacy reaches up to 145lm/W @5000K Ra80
- Private tooling and compact design.
- Multiple light distributions for different project needs.
- Junction box for safe wiring and smart control options.
- 5 years warranty

## Lifespan and Warranty

| Operating Temperature | -30°C to + 45°C |
|---|---|
| Life Time of LED @Ta=25°C | 82000hrs-L80 |
| | 52000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Warehouse
- Shopping Mall
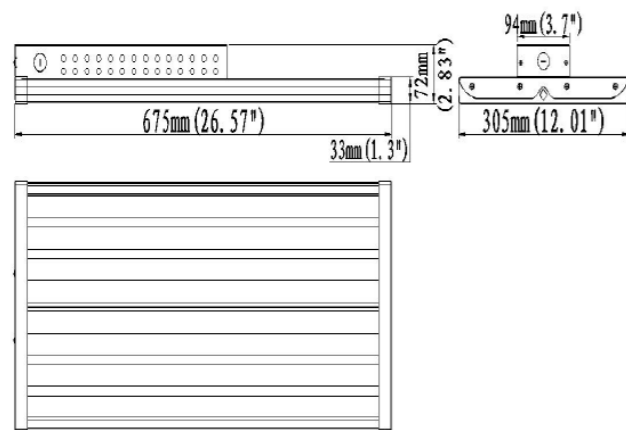- Super-market

## New Features

* Please consult us for details.
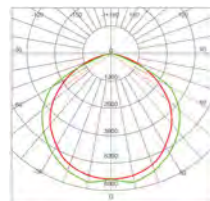
L00C01

Suspension mounting

94mm (3.7")
72mm (2.83")
675mm (26.57")
33mm (1.3")
305mm (12.01")

**Microwave motion sensor**
120-277Vac input, IP65 rating, max detect height is 15m.
**Remote control**



**PIR sensor**
120-277Vac input, IP65 rating, max detect height is 15m.



**Daylight sensor**
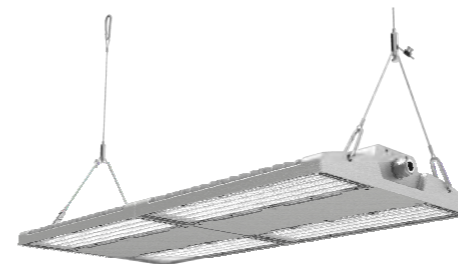1-10V DC input, IP20 rating, daylight Harvesting function.



**Zigbee wireless control**
1pcs for each luminaire.

**Zigbee gateway**
1pcs can control 100pcs



**Zigbee microwave motion sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.



**Zigbee daylight sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

# Specifications - LHB09 Refinado LED Linear Light

**Version: 3.0**

LHB09

## Electrical Information

| Model No. | LHB09-100 | LHB09-150 | LHB09-200 | LHB09-240 | LHB09-300 | LHB09-400 | LHB09-480 |
|---|---|---|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 150W | 200W | 240W | 300W | 400W(±3%) | 480W(±3%) |
| Power Supply | SOSEN | | | | | | |
| Input Voltage | 220-240 VAC | | | | | | |
| Power Factor | >0.91 | | | | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | | | | |
| Driver Type | Constant Current (CC) | | | | | | |
| Control | Dimmable/DALI Control / ZigBee Control | | | | | | |
| | Microwave sensor / PIR sensor | | | | | | |

## Optic Information

| LED Type | LED 3030 | | | | | | |
|---|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 15500LM | 23250LM | 31000LM | 37200LM | 46500LM | 62000LM | 74400LM |
| Efficacy(5000K Ra70) | 155LM/W | | | | | | 150LM/W |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | | | |
| Beam Angle | L04501, L00401, L00402, L00403, L04502 | | | | | | |
| UGR level | NA | | | | | | |

## Dimentions and Mount

| Product Dimension | 340×325×60mm | | 680×325×60mm | | | 1020×325×60mm | |
|---|---|---|---|---|---|---|---|
| Luminaire Net Weight | 3.5±0.3kg | 3.7±0.3kg | 6.7±0.3kg | 6.8±0.3kg | 7.8±0.3kg | 10.7±0.3kg | 11.1±0.3kg |
| Export Carton Size | 420×385×135mm | | 760×385×135mm | | | 1100×385×135mm | |
| Gross Weight | 4.2±0.3kg | 4.4±0.3kg | 7.5±0.3kg | 7.6±0.3kg | 8.6±0.3kg | 11.65±0.3kg | 12±0.3kg |
| Mounting Option | Suspension mounting | | | | | | |
| | Ceiling bracket & ±60deg rotatable bracket mounting | | | | | | |
| Material | Aluminum Alloy | | | | | | |
| | Polycarbonate Optical Lens | | | | | | |
| Finish | Powder Coating | | | | | | |
| Fixture Color | Silver gray | | | | | | |
| EPA | NA | | | | | | |
| IK Rating | IK10 | | | | | | |
| IP Rating | IP66 | | | | | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 40,000hrs-L90 |
| | 82,000hrs-L80 |
| | 131,000hrs-L70 |
| Warranty | 5 Years |

## Description

Refined with IP66 equal for indoor & outdoor application, it continues to improve integral and customized intelligent control: PIR Sensor, Microwave Motion Sensor, photocell, Zigbee, as well as DALI, emergency function for huge energy saving. Further more, we could do some customization, such as 180LM/W, LED power adjustable, CCT select-able, Anti-glare grille lens, wire guard...etc.

## Key Features

· 100W/150W/200W/240W/300W/400W/480W
· 155lm/W
· Low UGR
· IP66 IK10 rated
· Specialized asymmetrical optic 25°*85° for aisle, workshop and warehouse.
· Smart control all in one, including PIR, Microwave motion sensor, photocell, Zigbee, DALI, Emergency.
· Pendent mounting, pipe mounting for multiple installation.

## Applications

· Indoor and outdoor high ceiling application
· Warehouse
· Factory
· Industrial facility
· Exhibition centers
· Stadiums
· Toll stations

## New Features

· Integral Emergency backup 8W, illumination time 3 hours.
· Field-adjustable output for optional.
· Ball test approved.
· Play and plug sensor, external sensor with brackets is for optional
· Easily linkable
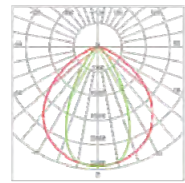· Higher efficacy up to 180lm/w for optional.
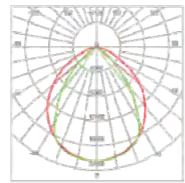
*\* Please consult us for details.*

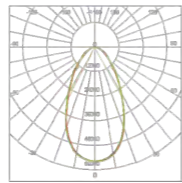CE RoHS

## Photometry

### Strip optic lens
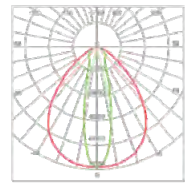
L00401
25x85°

L00402
60x100°

### Dotted optic lens

L00403
80x100°
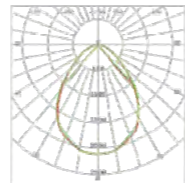
L04501
60°

L04502
90°

## Mounting Options

Loop mounting
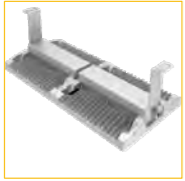
Ceiling mounting

±60° rotatable
bracket mounting

## Dimensions

325(12.79")

340(13.38")

60(2.36")

**100W/150W**

680(26.77'')

325(12.79'')

60(2.36")

**200W/240W/300W**

1020(40.16")

325(12.79")

60(2.36")
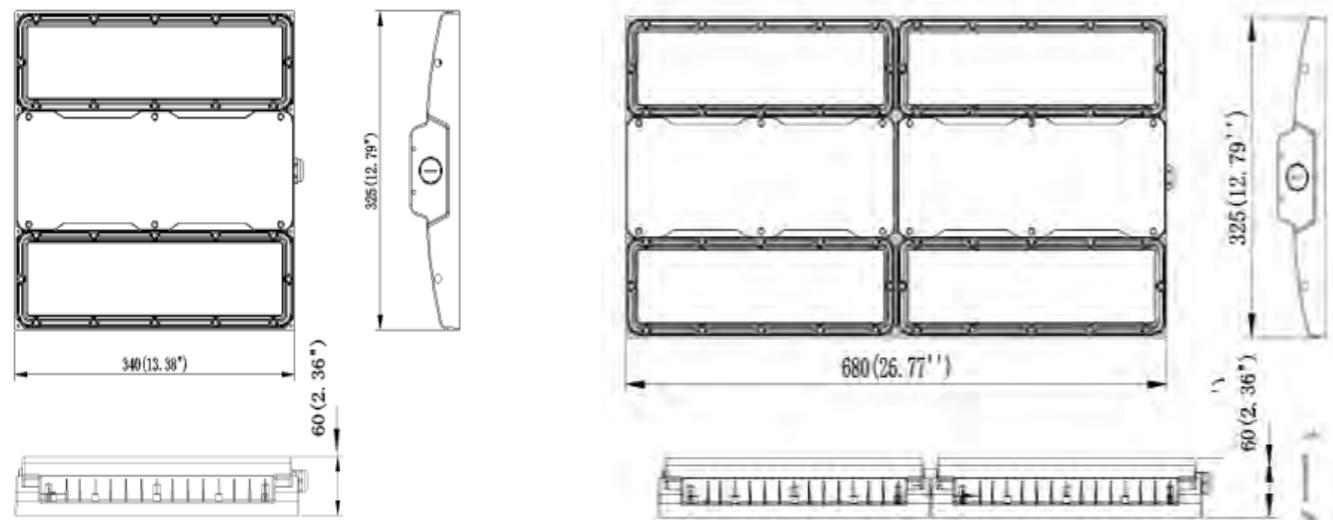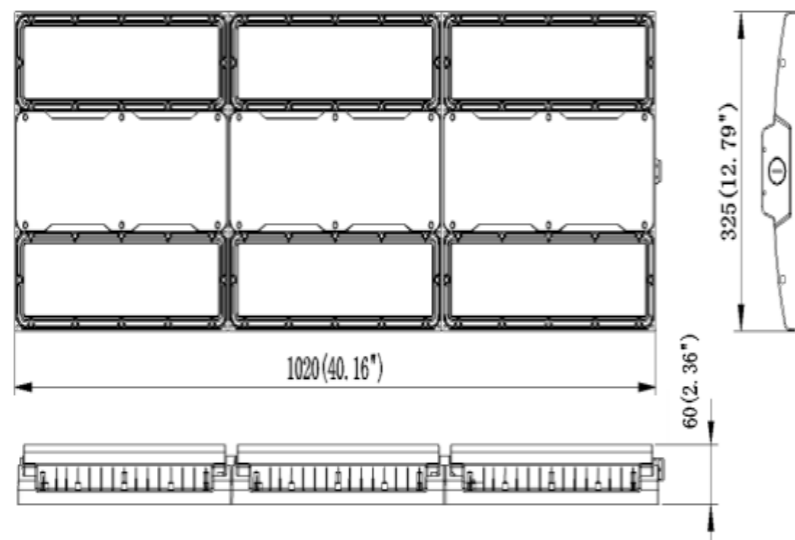
**400W/480W**

## Accessories

**Safety line**
Stainless steel materials

Code: SL-L09-01

**±60deg rotatable bracket**
SPCC materials.

Code: BC-L09-01

**Ceiling mount bracket**
SPCC materials.

Code: BC-L09-02

**Microwave motion sensor**
120-277Vac input, IP65 rating,
max detect height is 15m.
**Remote control**

**PIR sensor**
120-277Vac input, IP65 rating,
max detect height is 15m.

**Daylight sensor**
1-10V DC input, IP20 rating,
daylight Harvesting function.

**Zigbee wireless control**
1pcs for each luminaire.
**Zigbee gateway**
1pcs can control 100pcs fixtures.

**Zigbee daylight sensor**
An optional sensor control for
Zigbee system, 100-277Vac input,
IP65 rating.

**Zigbee microwave motion sensor**
An optional sensor control for Zigbee
system, 100-277Vac input, IP65 rating.

**Optic lens**
PC materials.

Code: please refer to Photometry

## Accessories 2

**plug-and-play microwave
motion sensor**
Installation height: 15M

Code: ANT-5-4T

**plug-and-play PIR**
Installation height: 12M

Code: ANT-6-4T

**Remote Controller for
ANT-6-4T& ANT-5-4T**
Installation height: 15M

Code: RC-100

LHB09

# Specifications - LHB10 Optimized RackLite LED Linear Light

**Version: 3.0**

## Electrical Information

| Model No. | LHB10-050 | LHB10-100 | LHB10-150 | LHB10-200 | LHB10-240 |
|---|---|---|---|---|---|
| Power Consumption(±5%) | 50W | 100W | 150W | 200W | 240W |
| Power Supply | Sosen | | | | |
| Input Voltage | 100-240 VAC, 50/60Hz | | | | |
| Power Factor | >0.90 | >0.92 | | | |
| Surge Protection | 4kV line-line, 6kV line-earth | | | | |
| Driver Type | Constant Current (CC) | | | | |
| Control | dimmable, DALI, Daylight Sensor, Microwave Sensor, PIR Sensor | | | | |
| | Zigbee Wireless Control | | | | |

## Optic Information

| LED Type | LED 3030 | | | | |
|---|---|---|---|---|---|
| Luminous Flux (±10%) | 6750LM | 13500LM | 20250LM | 27000LM | 32400LM |
| Efficacy(5000K Ra70) | 135LM/W | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | |
| Beam Angle | L06401, L06402, L06403, L06404, L06405 | | | | |
| UGR level | NA | | | | |

## Dimentions and Mount

| Product Dimension | 280×137×102mm | 486×137×102mm | 718×137×102mm | 948×137×102mm | 1178×137×102mm |
|---|---|---|---|---|---|
| Luminaire Net Weight | 1.9±0.3kg | 3.4±0.3kg | 4.7±0.3kg | 5.7±0.3kg | 6.9±0.3kg |
| Export Carton Size | 350×200×160mm | 555×200×160mm | 790×200×160mm | 1020×200×160mm | 1250×200×160mm |
| Gross Weight | 2.3±0.3kg | 4.0±0.3kg | 5.3±0.3kg | 6.5±0.3kg | 8.0±0.3kg |
| Mounting Option | Suspension Mounting | | | | |
| | Ceiling Mounting | | | | |
| Material | Aluminum Alloy | | | | |
| | Polycarbonate Optical Lens | | | | |
| Finish | Electrophoresis and Powder Coating | | | | |
| Fixture Color | Black Body, Red or Black End Cap | | | | |
| EPA | NA | | | | |
| IK Rating | IK10 | | | | |
| IP Rating | IP65 | | | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 52000hrs-L90 |
| | 117000hrs-L80 |
| | 190000hrs-L70 |
| Warranty | 5 Years |

## Description

HiRack LED linear high bay is perfect lighting for aisles in warehouse. Asymmetric optic lens adapts to narrow aisle very well between high shelves. The rectangular light pattern perfectly matches with aisles, which can effectively reduce light loss. And it also can provide intelligent lighting solutions by adding DALI, Zigbee, PIR sensor, motion sensor and daylight harvesting sensor and emergency etc.

## Key Features

- Optimized LHB10 50W/100W/150W/200W/240W
- Modular design and excellent performance
- IP65, IK10.
- Long and narrow pattern not only contribute to lighting lux level but also the best uniformity.
- 5 types of beam angle, meet most of the project requirement.
- Lens can be replaced easily, better for stock.
- Multiple mounting options (Suspension mount, Adjustable surface mount).
- Intelligent control for energy saving.

## Applications

- Indoor and outdoor high ceiling application
- Warehouse
- Factory
- Industrial facility
- Chemical Facilities
- Exhibition centers
- Shopping malls
- Stadiums
- Toll stations

## New Features

- 60deg, 90deg, fresnel lens available to reduce UGR.
- Built-in emergency battery.
- Linkable solution optional.

*\* Please consult us for details.*

CE  CB  RoHS  SAA

## Photometry



| L06401 | L06402 | L06403 | L06404 | L06405 |

## Mounting Options



Suspension mounting　　Ceiling mounting　　±50deg adjustable bracket mounting

## Dimensions



137mm (5.39")　280mm (11.02")　102mm (4.02")

**50W**

137mm (5.39")　486mm (19.13")　102mm (4.02")

**100W**

137mm (5.39")　718mm (28.27")　102mm (4.02")

**150W**

137mm (5.39")　948mm (37.32")　102mm (4.02")

**200W**

137mm (5.39")　1178mm (46.38")　102mm (4.02")

**240W**

LHB10
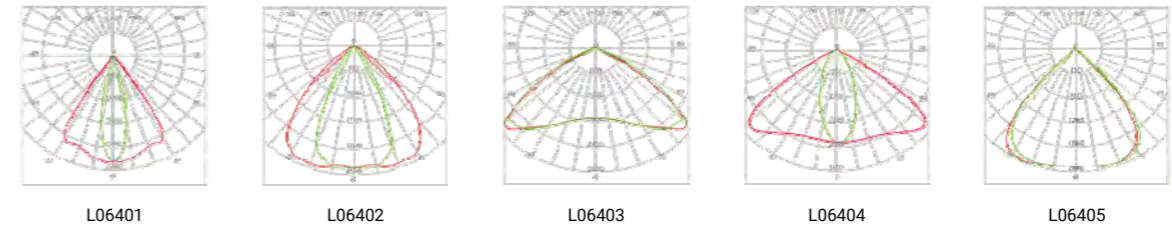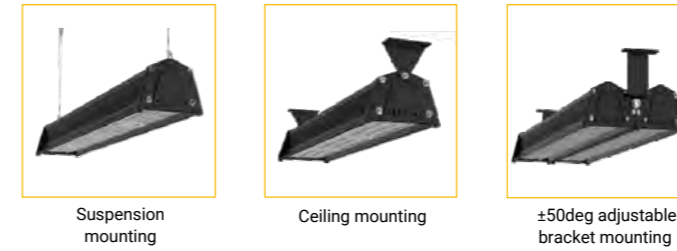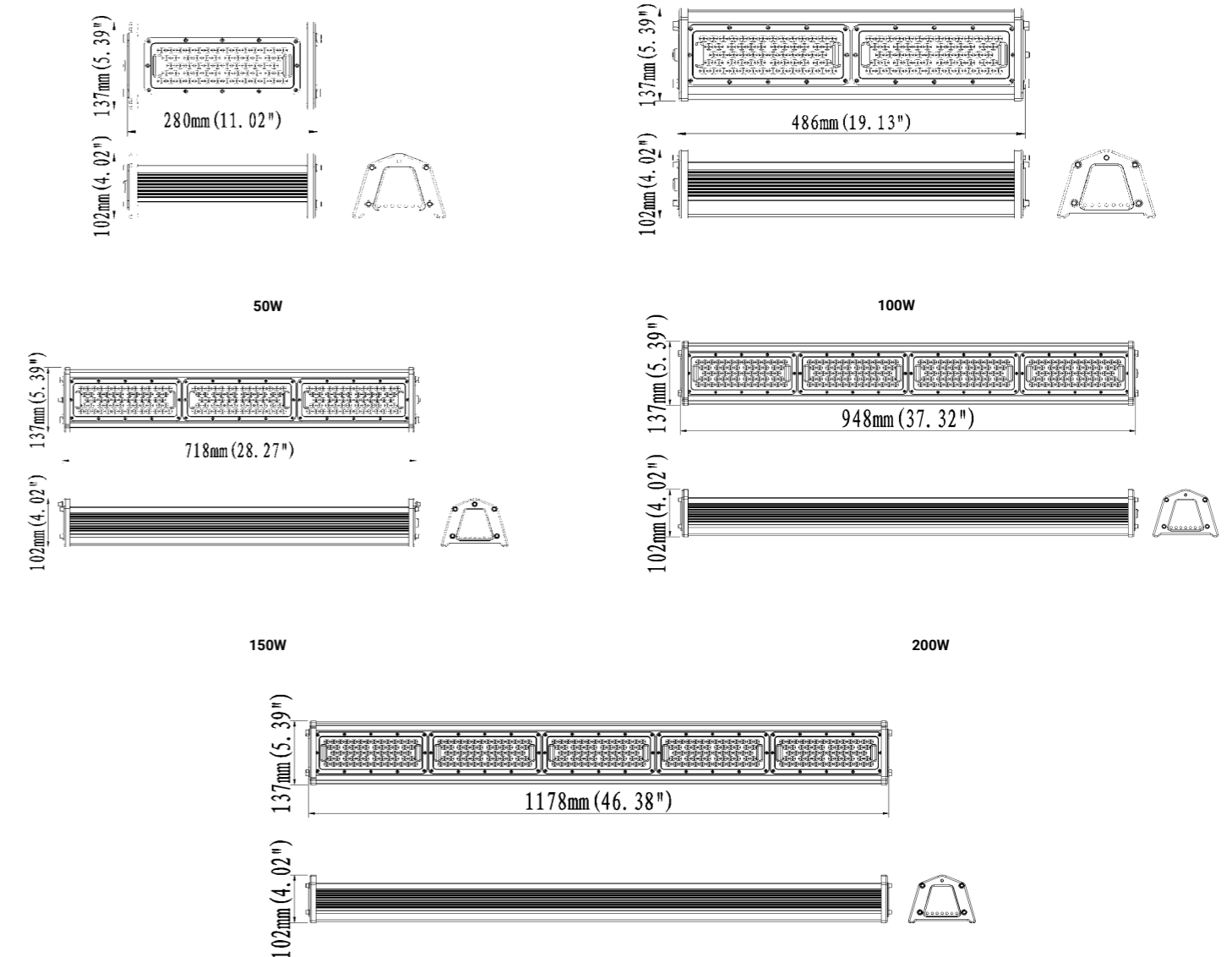
### Ceiling mount bracket
Triangle shape, SPCC materials with powder coating.

Code: BC-L01-01a (30W-150W)

### ±50° adjustable bracket
SPCC materials with powder coating.

Code: BC-L01-02a (30W-150W)

### Microwave motion sensor
120-277Vac input, IP65 rating, max detect height is 15m.

### Remote control

### PIR sensor
120-277Vac input, IP65 rating, max detect height is 15m.

### Zigbee wireless control
1pcs for each luminaire.

### Zigbee gateway
1pcs can control 100pcs fixtures.

### Zigbee daylight sensor
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

### Zigbee microwave motion sensor
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

### Daylight sensor
1-10V DC input, IP20 rating, daylight Harvesting function.

### Optic lens
High transmittance PC materials, UV test approval.

Code: please refer to Photometry for different beam angle.

### Safety Line
2m long stainless steel safety line.

Code: SL-L01-01

## Specifications - LHB11 Hi-Proof LED Linear Light

Version: 3.0

CE  RoHS

LHB11

### Electrical Information

| Model No. | LHB11-040 | LHB11-060 | LHB11-080 |
|---|---|---|---|
| Power Consumption(±5%) | 40W(±10%) | 60W | 80W |
| Power Supply | Philips  Driver | | |
| Input Voltage | 220-240 VAC | | |
| Power Factor | ≥0.9 at Max Load | | |
| Surge Protection | 1KV line-line, 2KV  line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | dimmable, DALI, Microwave Sensor, PIR sesnor, Daylight sensor | | |
| | Zigbee Wireless Control, Emergency | | |

### Optic Information

| LED Type | LED 2835 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 5800LM | 9000LM | 12000LM |
| Efficacy(5000K Ra80) | 145lm/W | 150lm/W | 150lm/W |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | |
| Color Rendering Index | Ra80 (Ra70 optional) | | |
| Beam Angle | L00C17(120°) | | |
| UGR level | NA | | |

### Description

LHB11 is a high quality and durability water-proof, dust-proof and corrosion-proof LED Lighting Product. It could be used in a wide variety of industrial and commercial environments such as car wash operations, maintenance areas, parking garages, stairwells and warehouses. It can be link-able, dimmable, with motion sensor and emergency working.

### Dimentions and Mount

| Product Dimension | 647x97x89mm | 1247x97x89mm | 1547x97x89mm |
|---|---|---|---|
| Luminaire Net Weight | 1.38±0.2kg | 2.3±0.2kg | 2.76±0.2kg |
| Export Carton Size | 745x375x335mm | 1345x375x335mm | 1645x375x335mm |
| Gross Weight | 15.06±0.2kg(9pcs/ctn) | 23.97±0.2kg(9pcs/ctn) | 19.31±0.2kg(6pcs/ctn) |
| Mounting Option | Suspension Mounting, Ceiling Mounting | | |
| | Aluminum Alloy | | |
| Material | Polycarbonate Optical Lens | | |
| | Powder Coating | | |
| Finish | Milky white | | |
| Fixture Color | NA | | |
| EPA | IK08 | | |
| IK Rating | IP65 | | |
| IP Rating | IP65 | | |

### Key Features

- 600mm: 20W-30W; 1200mm: 40W-50W; 1500mm: 60W-80W
- 130lm/w or 150lm/w
- IP65 & IK08
- Easy access to terminal blocks ensure fast and flexible installation
- It can be linkable, max. 10-12no. fittings per daisy-chain
- 0-10V/ PIR/ Microwave sensor/ Zigbee/Dali/ Emergency function are available

### Lifespan and Warranty

| Operating Temperature | -30°C to 40°C |
|---|---|
| Life Time of LED @Ta=25°C | 47,000hrs-L90B50 |
| | 99,000hrs-L80B50 |
| | 158,000hrs-L70B50 |
| Warranty | 5 Years |

### Applications

- Supermarket
- Warehouse / Factory
- Office
- Garage
- Railway / Bus / MTR Station
- RAirport
- Exhibition Hall

### New Features

*Please consult us for details.*

Version: 3.0

## Photometry



L00C17(120°)

## Mounting Options



Suspension Mounting

Ceiling mounting

## Dimensions



2.99" (76mm)

3.82" (97mm)

3.5" (89mm)

| POWER | A(mm/in) | B(mm/in) | C(mm/in) |
|---|---|---|---|
| 40W | 600(23.62") | 647(25.47") | 694(27.32") |
| 60W | 1200(47.24") | 1247(49.09") | 1294(50.94") |
| 80W | 1500(59.05") | 1547(60.91") | 1594(62.75") |

A-Length of the body;
B-Length of the body with single connector;
C-Length of the body with double connectors.

## Accessories



**Suspension kit**
304 stainless steel, available for 2m long.

Code: SL-L11-01

2pcs



**Ceiling Mounting Bracket**
SPCC stainless steel.

Code: BC-L11-01

2pcs



**Zigbee gateway**
1pcs can control 100pcs fixtures.



**Zigbee microwave motion sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.



**Zigbee daylight sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.



**Daylight sensor**
On-off function only.



**PIR sensor**
On-off function only.



**Microwave motion sensor**
On-off function only.

LHB11

### Electrical Information

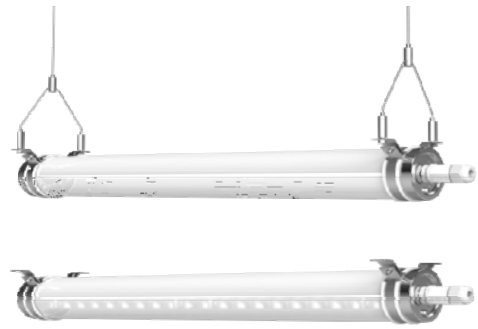| Model No. | LHB13-020 | LHB13-040 | LHB13-050 |
|---|---|---|---|
| Power Consumption(±10%) | 20W | 40W | 50W (±5%) |
| Power Supply | Philips Driver | | |
| Input Voltage | 220-240 VAC, 50-60Hz | | |
| Power Factor | ≥0.9 at Max Load | | |
| Surge Protection | 1KV line-line, 2KV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | dimmable, DALI | | |

### Optic Information

| LED Type 1 | LED2835 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 2800LM | 5600LM | 7000LM |
| Efficacy(5000K Ra80) | 140lm/W | | |
| LED Type 2 | LED 3030 | | |
| Luminous Flux (±10%) | 2600LM | 5200LM | 6500LM |
| Efficacy(5000K Ra80) | 130lm/W | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | |
| Color Rendering Index | Ra80 (Ra70 optional) | | |
| Beam Angle | L00C18 , L00301, L00302 | | |
| UGR level | NA | | |

### Dimentions and Mount

| Product Dimension | 120x84x600mm | 120x84x1128mm | 120x84x1390mm |
|---|---|---|---|
| Luminaire Net Weight | 1.10k±0.2kg | 1.62±0.2kg | 1.96±0.2kg |
| Export Carton Size | 867x445x340mm | 1400x335x340mm | 1660x335x235mm |
| Gross Weight | 19.32±0.2kg(12pcs/ctn) | 19.97±0.2kg(9pcs/ctns) | 35.80±0.2kg(6pcs/ctn) |
| Mounting Option | Suspension Mounting, Ceiling Mounting | | |
| Material | Aluminum Alloy | | |
| | Polycarbonate Optical Lens | | |
| Finish | Powder Coating | | |
| Fixture Color | Milky white | | |
| EPA | NA | | |
| IK Rating | IK10/IK06 | | |
| IP Rating | IP66 | | |

### Lifespan and Warranty

| Operating Temperature | -30°C to 40°C |
|---|---|
| Life Time of LED @Ta=25°C | 60,000hrs-L90B50 |
| | 124,000hrs-L80B50 |
| | 197,000hrs-L70B50 |
| Warranty | 5 Years |

### Description

RoLine is an innovative LED Tubular light which can be used very flexibly. Be it aviaries, Animal farm, Swimming Pool (Chlorine gas), Chemical factory, Office, or Food industry factory, there are nearly no boundaries.

### Key Features

• IP69K, against water pressure of 100bar(1450psi) and temperature of 80°C
• Glare free UGR<19, beam angle 60° or 90°
• PMMA clear/milk cover(anti-corrosion), PC clear/milk cover(IK10).
• Quick connection. It can be linkable together one by one.
• Surface Mount or Suspended
• 20W, 30W, 50W, System efficiency up to 140lm/W.
• 150lm/W optional
• 1-10v, DALI optional
• Qualified Philips driver.

### Applications

• Food Processing
• Farm Lighting
• Poultry Lighting
• Agricultural applications
• Other applications

### New Features

• UGR<16with honeycomb
• Linkable solution available.

*\* Please consult us for details.*

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### Photometry
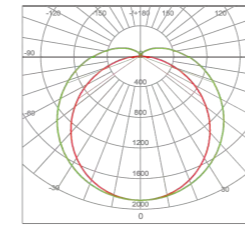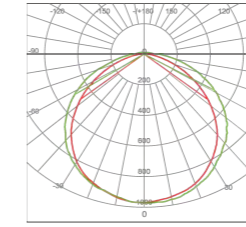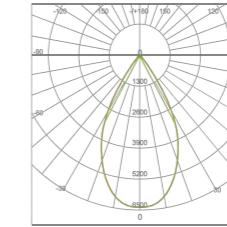


L00C18-02　　　　L00C18-03　　　　L03001　　　　L03002
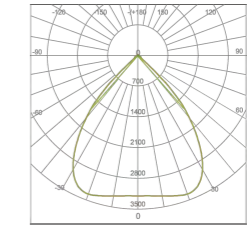
### Mounting Options
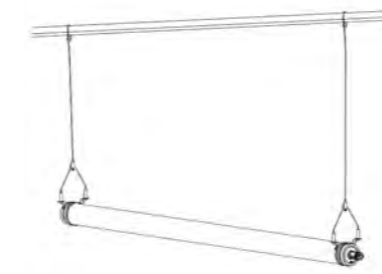


Suspension Mounting
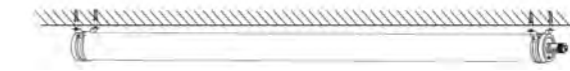
Ceiling mounting

### Dimensions
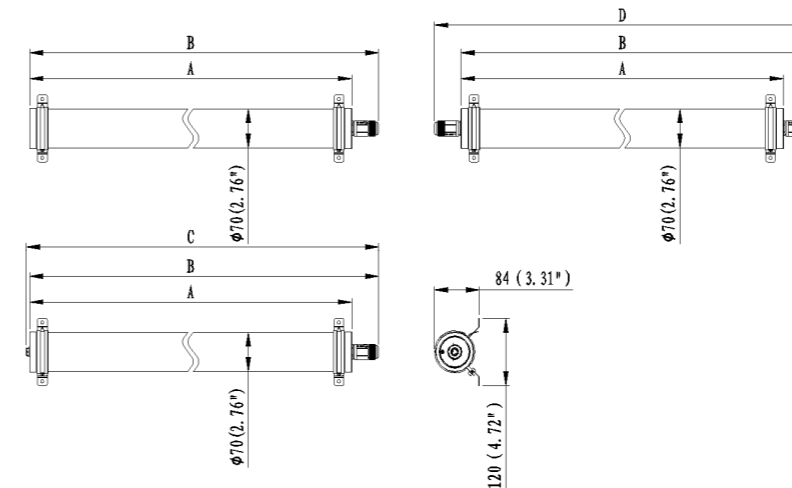


| MODEL | A | | B | | C | | D | |
|---|---|---|---|---|---|---|---|---|
| | mm | in | mm | in | mm | in | mm | in |
| LHB13-020 | 600 | 23.62 | 650 | 25.59 | 656 | 25.83 | 700 | 27.56 |
| LHB13-040 | 1128 | 44.41 | 1178 | 46.38 | 1184 | 46.61 | 1228 | 48.35 |
| LHB13-050 | 1390 | 54.72 | 1440 | 56.69 | 1446 | 56.93 | 1490 | 58.66 |

A-Length of the body;
B-Length of the body with single connector;
C-Length of the body with single connector and vent;
D-Length of the body with double connectors.

### Accessories
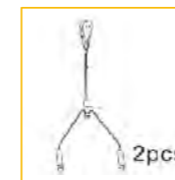


**Suspension kit**
304 stainless steel, available for 2m long.

Code: SL-L13-01

**Ceiling mount bracket**
SPCC materials.

Code: BC-L13-01

# Specifications - LHB15 LED Linear High Bay Light

**Version: 1.0**

## Electrical Information

| Model No. | LHB15-150 | LHB15-300 |
|---|---|---|
| Power Consumption(±5%) | 150W | 300W |
| Power Supply | Philips | |
| Input Voltage | 220-240 VAC , 50 / 60 Hz | |
| Power Factor | >0.9 | |
| Surge Protection | 2kV line-line, 3kV line-earth | |
| Driver Type | Constant Current (CC) | |
| Control | DALI, Microwave Sensor(ON/OFF) | |

## Optic Information

| LED Type | LED 3030 | |
|---|---|---|
| Luminous Flux (±10%) | 23250LM | 46500LM |
| Efficacy(4000K Ra70) | 155lm/W | |
| Correlated Color Temperature | 4000K (3000K,5000K optional) | |
| Color Rendering Index | Ra70 (Ra80 optional) | |
| Beam Angle | F01603、F01604、F01605、F01606、F01610 | |
| UGR level | ＜20 | |

## Description

Delicate design LHB15 with particular reflector emits uniformed and soft light with minimum glare, which protects our eyes from asthenopia. LOW UGR feature makes LHB15 not only be suitable for industrial sites including factory, warehouse, but also perfect for indoor sports fields, office, shopping mall, and so on.

## Dimentions and Mount

| Product Dimension | 915x177x52mm | 1395x177x52mm |
|---|---|---|
| Luminaire Net Weight | 3.5±0.3kg | 5.2±0.3kg |
| Export Carton Size | 1025 x246 x127mm | 1505 x246 x127mm |
| Gross Weight | 4.8±0.3kg | 6.7±0.3kg |
| Mounting Option | Hook mounting | |
| Material | Aluminum Alloy | |
| | Polycarbonate Optical Lens | |
| Finish | Sand blasting, anodizing | |
| Fixture Color | Aluminum color | |
| EPA | NA | |
| IK Rating | NA | |
| IP Rating | IP20 | |

## Key Features

· High brightness,up to 46500 lumens and 155lm/W
· Smooth body would not accumulate dust, sand, or other solid material.
· Low UGR solution with soft vision environment.
· Slim and compact design.
· Great performance in heat dissipation.

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 54000hrs-L90 |
| | 82000hrs-L80 |
| | 131000hrs-L70 |
| Warranty | 5 Years |

## Applications

· Exhibition centers
· Warehouse
· Sport field
· Factory

## New Features

*Please consult us for details.*

## Photometry
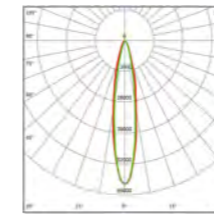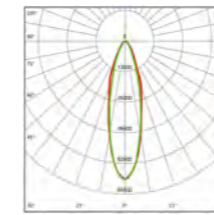


F01603    F01604    F01605    F01606    F01610

## Mounting Options



Hook mounting

## Dimensions



300W — 1395mm (54.92")
150W — 915mm (36.02")
52mm (2.05")
177mm (6.97")
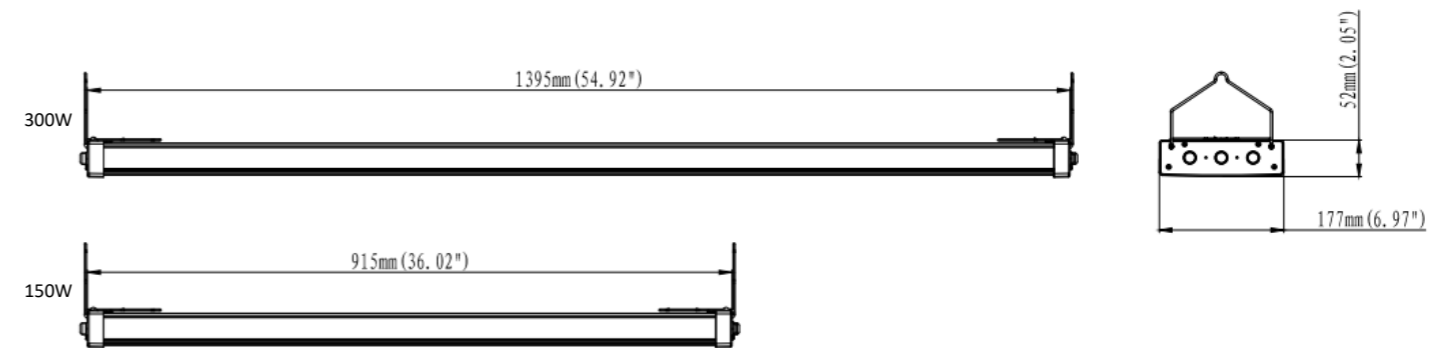
## Accessories
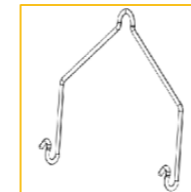
**Protective wire mesh**
304 stainless steel.

Code: HK-L15-01

**Microwave motion sensor (ON-OFF)**
120-277Vac input, IP65 rating, max detect height is 15m. ON/OFF function.

**Remote control**

LHB15

# Specifications - LHB19 LED Linear Light

Version: 3.0

## Electrical Information

| Model No. | LHB19-070 | LHB19-120 |
|---|---|---|
| Power Consumption(±5%) | 70W | 120W |
| Power Supply | Inventronics | |
| Input Voltage | 100-240VAC, 50 / 60 Hz | |
| Power Factor | >0.95 | |
| Surge Protection | 6kV line-line,10kV line-earth | |
| Driver Type | Constant Current (CC) | |
| Control | 0-10V dimmable | |

## Optic Information

| LED Type | LED 2835 | |
|---|---|---|
| Luminous Flux (±10%) | 9450lm | 16200lm |
| Efficacy(5000K Ra80) | 135lm/W | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | |
| Color Rendering Index | Ra80 | |
| Beam Angle | L00111, L00112, L00113, L00114, L00118, L00B01 | |
| UGR level | NA | |

CE  RoHS

## Description

LHB19 is suitable for wholesale and distribution channels with simple & Friendly design. Smaller Size and lighter, length 600/1200mm.

## Dimentions and Mount

| Product Dimension | 629x86x114mm | 1209x86x114mm |
|---|---|---|
| Luminaire Net Weight | 2.3±0.3kg | 3.5±0.3kg |
| Export Carton Size | 715x250x165mm | 1295x250x165mm |
| Gross Weight | 5.4±0.3kg(2pcs/CTN) | 8.1±0.3kg(2pcs/CTN) |
| Mounting Option | Suspension Mounting | |
| | Ceiling Mounting | |
| Material | Housing:Aluminum Alloy | |
| | Optics:polymethyl methacrylate Optical Lens | |
| Finish | Anodizing | |
| Fixture Color | Aluminum color | |
| EPA | NA | |
| IK Rating | IK06 | |
| IP Rating | IP66 | |

## Key Features

- Cost-effective: 135lm/W with best price
- Equiv. to 300W Metal Halide lamps
- Built in power supply
- PMMA cover is optional
- IP66 protection

## Lifespan and Warranty

| Operating Temperature | -30°C to + 45°C |
|---|---|
| Life Time of LED @Ta=25°C | 31,000hrs-L90 |
| | 64,000hrs-L80 |
| | 101,000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Interior lighting
- Hotel
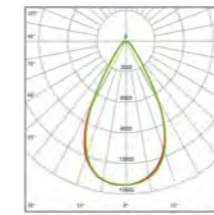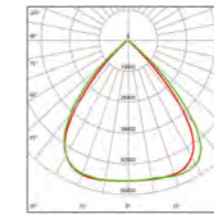- Warehouse
- Shopping Mall
- Toll Station and so on.

## New Features
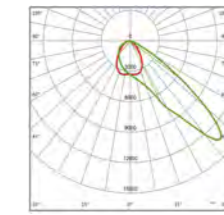
* Please consult us for details.

## Photometry
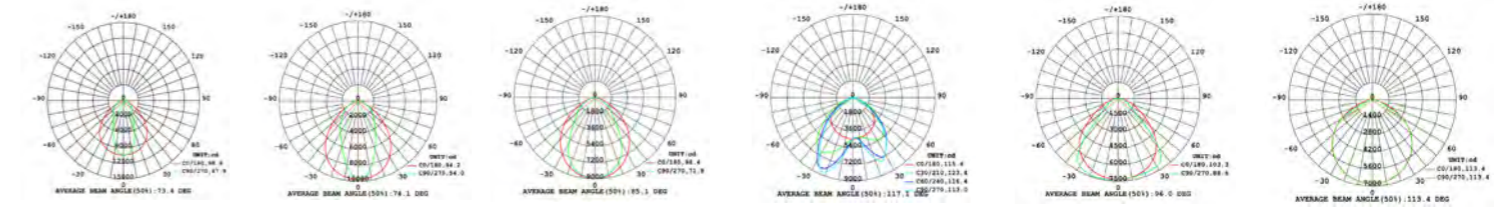


L00111(40*100°)  L00112(60*90°)  L00113(70*100°)  L00114(bilateral asymmetric25°)  L00118(90*100°)  L00B01(120°)

## Mounting Options



Suspension mounting  Ceiling mounting

## Dimensions(Unit: mm/inch)



114 (4.49")  86 (3.39")  629 (24.77")

**70W**

114 (4.49")  86 (3.39")  1209 (47.60")
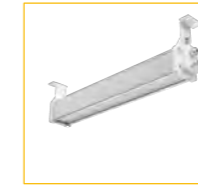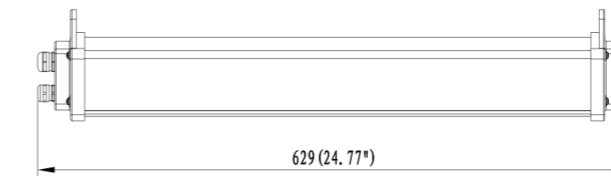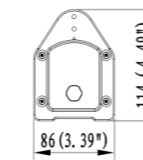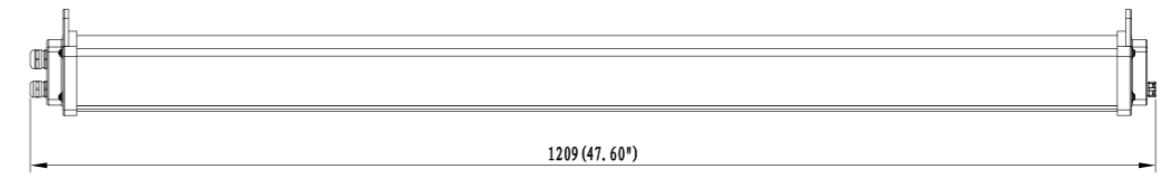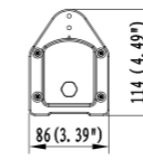
**120W**

## Accessories

**Optic lens**
High transmittance PMMA materials, UV test approval.

Code: please refer to **Photometry** for different beam angle.

**Safety rope**
304 stainless steel, available for 2m long.

Code: SL-L19-01

**Adjustable ceiling mount bracket**
SPCC materials with outdoor powder coating.

Code: BC-L19-01

# Architectural Flood and Spot Luminaires

**FL06** / P64-65

**FL08** / P66-67

**FL10** / P68-69

**FL11** / P70-72

**FL13** / P73-77

**FL18** / P78-80

**FL27** / P81-83

**FL28** / P84-86

**FL33** / P87-89

**ST11** / P90-92

Asymmetric optics

10° 15° Narrow beam angle

Strong Anti-corrosion

Snow load

DALI 2, or DMX , RDM-DMX

Billboard lighting

TLCI>90

High Powered 600-1200W

Photocell

Back light control

Bird-proof sleeve

Outrigger Arm

Up light

3G vibration test verified

Flicker free HDTV broadcasting

Glare control

Support remoted driver installation

# Specifications - FL06 HiMast LED Food Light

Version: 3.0

## Electrical Information

| Model No. | FL06-300 | FL06-600 | FL06-900 |
|---|---|---|---|
| Power Consumption(±5%) | 300W | 600W | 900W |
| Power Supply | MEAN WELL | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | |
| Power Factor | >0.92 | | |
| Surge Protection | 6kV line-line,10kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | dimmable, DALI, DMX | | |
| | Zigbee Wireless Control | | |

## Optic Information

| LED Type | LED 3030, LED 5050 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 42000LM | 84000LM | 126000LM |
| Efficacy(5000K Ra70) | 140LM/W | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | |
| Beam Angle | F00801, F01601, F01602 ,F01603, F01604,F01605, F01606, F01608, F01609, F01610, F01611, F01612, F01613,  F00401(LED 5050) | | |
| UGR level | NA | | |

## Dimentions and Mount

| Product Dimension | | 559×288×178mm | 606×564×401mm | 792×606×401mm |
|---|---|---|---|---|
| Luminaire Net Weight | | 11.7±0.3kg | 29.0±0.3kg | 41.0±0.3kg |
| Export Carton Size | Heat sink | | 575×550×215mm | 800×550×215mm |
| | Power Supply | 625×230×335mm | 635×340×135mm | 860×340×135mm |
| | Bracket | | 670×420×85mm | 770×420×85mm |
| Gross Weight | | 12.9±0.3kg | 35.2±0.3kg | 46.5±0.3kg |
| Mounting Option | | Bracket Mounting | | |
| Material | | Aluminum Alloy | | |
| | | Tempered Glass and Polycarbonate Optical Lens | | |
| Finish | | Powder Coating | | |
| Fixture Color | | BlacK | | |
| EPA | | 1.4ft² | 4.0ft² | 5.95ft² |
| IK Rating | | IK08 | | |
| IP Rating | | IP66 | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 70,000hrs-L90 |
| | 152,000hrs-L80 |
| | 244,000hrs-L70 |
| Warranty | 5 Years |

## Description

HiMast is  first high power floodlight, design idea came from replacing the 1000W HID, one module up to 300W, each module has a 70° rotating range, while 3 modules having a 40° adjustable capability. IP66 & IK08 for outdoor usage and each module equipped with a vent to keep the internal housing pressure be balanced, no vapor. Easy maintenance and quick assembly, mainly used in the sports court, wharf, outdoor site.

## Key Features

- Easy assembly and quick connection between modules.
- LED modules adjustable according to lighting places.
- Wind Test Certified & 10KV Surge Protection.
- High power consumption with high lumen output.

## Applications

- Sports arena
- Stadium
- Dock
- Area lighting

## New Features

- Special cable design to avoid bird pecking
- 2000K available for highways application
- Customized bracket available for downwards installation
- Emergency kit available for IP66
- Aiming device helps install FL06 more accurately

*Please consult us for details.*

CE  CB  RoHS

## Photometry



F00801    F01601    F01602    F01603    F01604    F01605    F01606

F01608    F01609    F01610    F01611    F01612    F01613    F00401

## Mounting Options

Bracket mounting



300W          600W          900W

## Dimensions



300W

559(22.01")

288(11.34")

178(7.01")

600W

524(20.63")

401(15.79")

606(23.86")

30°

564(22.2")

448(17.64")

900W

752(29.61")

401(15.79")

606(23.86")

30°

792(31.18")

676(26.61")

Version: 3.1

## Electrical Information

| Model No. | FL08-40 | FL08-60 | FL08-80 | FL08-100 | FL08-120 | FL08-150 | FL08-180 | FL08-200 | FL08-240 |
|---|---|---|---|---|---|---|---|---|---|
| Power Consumption(±5%) | 40W | 60W | 80W | 100W | 120W | 150W | 180W | 200W | 240W |
| Power Supply | MEAN WELL | | | | | | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | | | | | | |
| Power Factor | ≥0.92 | | | | | | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | | | | | | |
| Driver Type | Constant Current (CC) | | | | | | | | |
| Control | dimmable, DALI | | | | | | | | |

## Optic Information

| LED Type | LED 3030 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 5800LM | 8700LM | 11600LM | 14500LM | 17400LM | 21750LM | 26100LM | 29000LM | 32800LM |
| Efficacy(5000K Ra70) | 145 LM/W | | | | | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | | | | | |
| Beam Angle | F00801, F01601, F01602, F01603, F01604, F01605, F01606, F01608, F01609, F01610, F01611, F01612, F01613 | | | | | | | | |
| UGR level | NA | | | | | | | | |

CE  CB  RoHS

## Description

Innovation design and asymmetric optics by the market's favorite. UP to 140lm/W@33,600lm, more than 11 kinds of professional light distribution, almost all applications covered, like recreational sports, area lighting...etc. U type bracket and pole mounting bracket make it installation quick and easy. Definitely a classic floodlight, HiSpot is an impeccable choice to expand the industrial lighting business.

## Key Features

- 3 sizes cover 40W to 240W, ideal for stock, distribution.
- Multiples optics to suit all sports and floodlighting applications.
- High lumen output 135lm/w.
- Easy to maintain with buckle design.
- External vent, avoid internal fogging and frosting.

## Dimentions and Mount

| Product Dimension | 359×308×82mm | | 413×366×83mm | | | 462×452×87mm | | |
|---|---|---|---|---|---|---|---|---|
| Luminaire Net Weight | 4.3±0.3kg | | 6.3±0.3kg | 6.5±0.3kg | 6.8±0.3kg | 8.4±0.3kg | 8.6±0.3kg | 8.9±0.3kg |
| Export Carton Size | 425×130×360mm | | 490×420×140mm | | | 540×515×160mm | | |
| Gross Weight | 4.9 ± 0.3kg | | 6.9 ± 0.3kg | 7.5 ± 0.3kg | | 10.1 ± 0.3kg | | |
| Mounting Option | Bracket Mounting/ Pole Mounting | | | | | | | |
| Material | Aluminum Alloy | | | | | | | |
| | Tempered Glass and Polycarbonate Optical Lens | | | | | | | |
| Finish | Powder Coating | | | | | | | |
| Fixture Color | Black | | | | | | | |
| EPA | 1.08ft² | | 1.53ft² | | | 2.12ft² | | |
| IK Rating | IK08 | | | | | | | |
| IP Rating | IP66 | | | | | | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 45°C |
|---|---|
| Life Time of LED @Ta=25°C | 61,000hrs-L90 |
| | 134,000hrs-L80 |
| | 218,000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Recreational sports
- Parking lots
- Roundabout
- Billboard lighting
- Building facades
- Other area lighting applications

## New Features

- Photocell, PIR sensor available
- Outrigger Arm

*\* Please consult us for details.*

## Mounting Options


Bracket mounting


Pole mounting


Outrigger arm mounting

## Dimensions
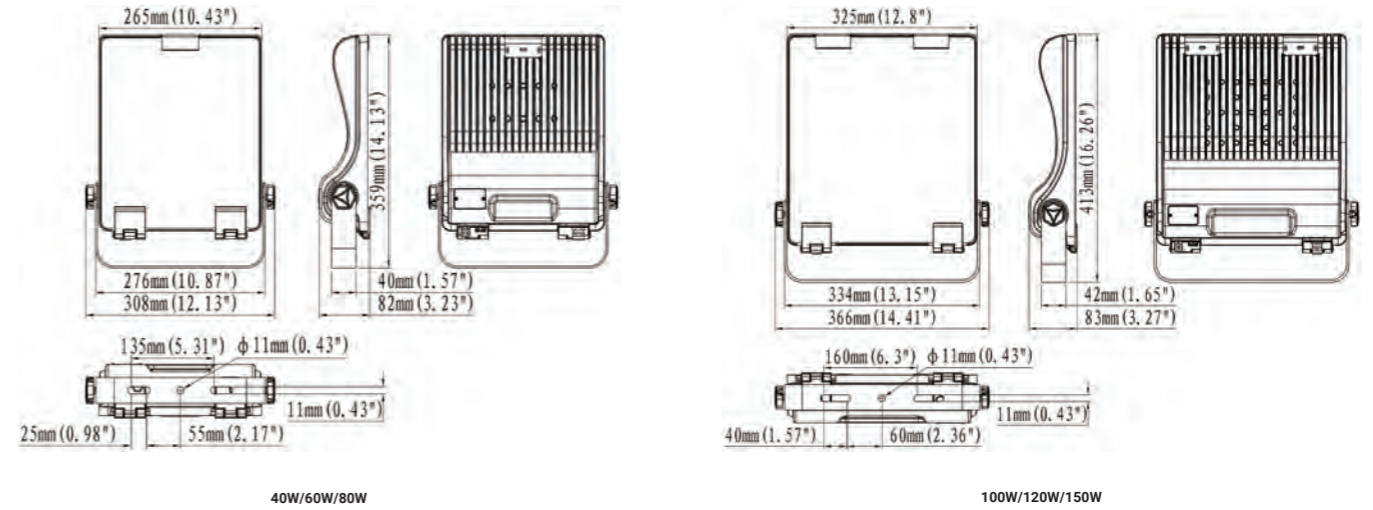

40W/60W/80W


100W/120W/150W
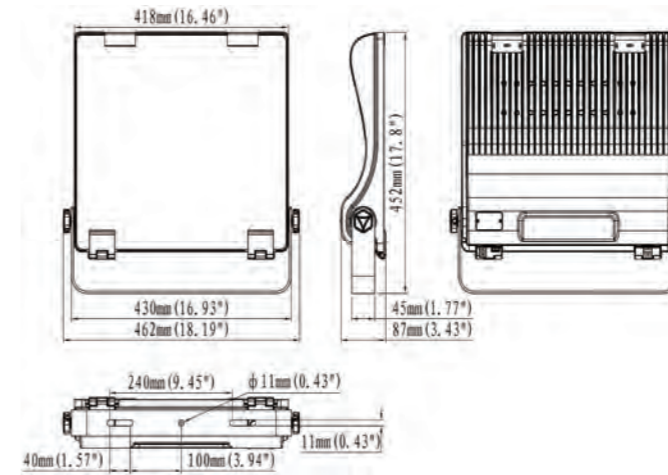

180W/200W/240W

## Accessories

**Pole mount adaptor**
ADC12 materials with powder coating, 60mm pole.
Code: BC-F15-06

**Pole mount adaptor**
Q235 steel, surface treatment: cold galvanized+ e-coating + powder coating.
Code: BC-F08-02(for dia.42mm)
Code: BC-F08-03(for dia.76mm)

**Outrigger arm**
SPCC materials,  for 40W/60W/80W only.
Code: BC-F08-05

**Clamp mount bracket**
SPCC materials,  for dia. 40mm-100mm pole.
Code: BC-F15-07a

**Clamp mount bracket**
SPCC materials,  for dia. 40mm-150mm pole.
Code: BC-F15-07b

FL08

## Photometry


F00801


F01601


F01602


F01603


F01604


F01605


F01606


F01608


F01609


F01610


F01611


F01612


F01613

# Specifications - FL10 HiGrin LED Flood Light

Version: 3.0

## Electrical Information

| | |
|---|---|
| Model No. | FL10-1K2 |
| Power Consumption(±5%) | 1200W |
| Power Supply | INVENTRONICS |
| Input Voltage | AC 100-240V, 50-60Hz |
| Power Factor | >0.92 |
| Surge Protection | 6kV line-line, 10kV line-earth |
| Driver Type | Constant Current (CC) |
| Control | DALI, DMX, Zigbee |

## Optic Information

| | |
|---|---|
| LED Type | LED 3030 |
| Luminous Flux (±10%) | 156000lm |
| Efficacy(5000K Ra70) | 130 LM/W |
| Correlated Color Temperature | 5000K (4000K, 5700K optional) |
| Color Rendering Index | Ra70 (Ra80 optional) |
| Beam Angle | F05401, F05402 |
| UGR level | NA |

## Description

HiGrin is a professional high power sports lighting fixture, which has a cooling and human-centric structure, two LED modules but the integrated pure aluminum heat sink, power up to 1200W. All the light is thrown to a very specific direction for desired lighting area only, people won't see the light source when standing on the ground, which makes HiGrin is a high-quality lighting solution to make the public environment be friendly and comfortable, suitable for use in sports field, airports, outdoor logistic center, ports, etc.

## Dimentions and Mount

| | | | | |
|---|---|---|---|---|
| Product Dimension | Fixture body | 790x403x525mm | Driver box | 458×278×159mm |
| Luminaire Net Weight | Fixture body | 28.5±0.3kg | Driver box | 12.5±0.3kg |
| Export Carton Size | Fixture body | 895×262×630mm | Driver box | 477x340x210mm |
| Gross Weight | Fixture body | 32.5±0.3kg | Driver box | 13.5±0.3kg |
| Mounting Option | Bracket Mounting / Pole Mounting | | | |
| Material | Aluminum Alloy | | | |
| | Tempered Glass and Polycarbonate Optical Lens | | | |
| Finish | Powder Coating/Anodizing | | | |
| Fixture Color | Fixture body | Grey | Driver box | Black |
| EPA | Fixture body | 4.08ft² | Driver box | 1.34ft² |
| IK Rating | IK08 | | | |
| IP Rating | IP66 | | | |

## Key Features

- 1200W 1:1 replace the 2000W HID.
- No backlight, no up-light, and no spill light.
- Asymmetric lighting distribution 25*100° and 30*90° optional.
- High brightness also high uniformity lighting performance.
- Good heat dissipation, lifetime up to L90B10 100,000hrs.
- Driver box as a separate part, flexible installation.

## Lifespan and Warranty

| | |
|---|---|
| Operating Temperature | -30°C to + 50°C |
| Life Time of LED @Ta=25°C | 84,000hrs-L80 |
| | 135,000hrs-L70 |
| | |
| Warranty | 5 Years |

## Applications

- For sports court
- For Billboard lighting
- Exhibition Center
- Shopping Mall
- Accent lighting
- Parking lots

## New Features

*\* Please consult us for details.*

## Photometry



F05401

F05402
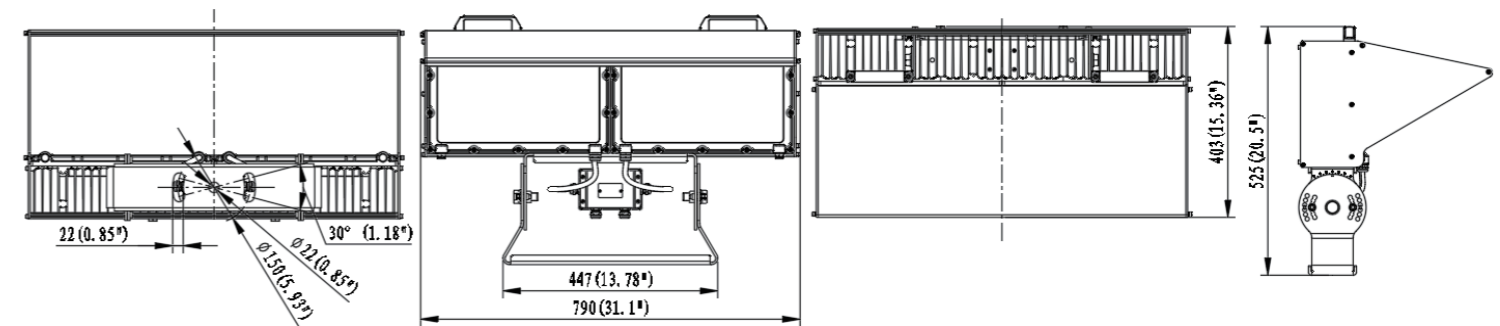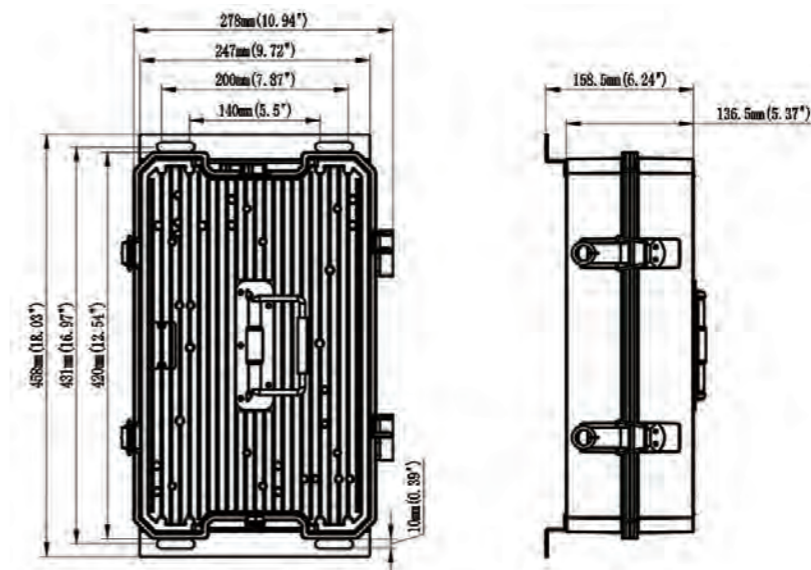
CE  RoHS

## Mounting Options



Bracket mounting

## Dimensions



22 (0. 85") 30° (1. 18") Ø 22 (0. 85") Ø 150 (5. 93") 447 (13. 78") 790 (31. 1") 403 (15. 36") 525 (20. 5")

Fixture body



278mm (10. 94") 247mm (9. 72") 200mm (7. 87") 140mm (5. 5") 400mm (18. 03") 431mm (16. 97") 420mm (12. 54") 10mm (0. 39") 158. 5mm (6. 24") 136. 5mm (5. 37")

Driver box

## Accessories



**Aiming device**
Exact aiming to help easy install upon lighting simulation.

Code: AD-A00-01



**Adjustable bracket for Aiming device**
SPCC materials, installed in fixture body 20° beam angle adjustable.

Code: BC-A00-01

# Specifications - FL11 LED Flood Light

Version: 3.0

### Electrical Information

| Model No. | FL11-050 | FL11-100 | FL11-150 | FL11-200 | FL11-300 |
|---|---|---|---|---|---|
| Power Consumption(±5%) | 50W | 100W | 150W | 200W | 300W |
| Power Supply | DONE | SOSEN | | | |
| Input Voltage | 220-240 VAC, 50-60Hz | | | | |
| Power Factor | >0.90 | >0.93 | | | |
| Surge Protection | 6kV line-line, 6kV line-earth | 6kV line-line, 10kV line-earth | | | 6kV line-line, 12kV line-earth |
| Driver Type | Constant Current (CC) | | | | |
| Control | 1-10V dimmable | | | | |

### Optic Information

| LED Type | LED 3030 | | | | |
|---|---|---|---|---|---|
| Luminous Flux (±10%) | 6250LM | 12500LM | 18750LM | 25000LM | 37500LM |
| Efficacy(5000K Ra70) | 130m/W | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | |
| Beam Angle | F00801, F01601, F01602, F01603, F01604, F01605, F01606, F01608, F01609, F01610, F01611, F01612, F01613 | | | | |
| UGR level | NA | | | | |

### Dimentions and Mount

| Product Dimension | 300×240×69 mm | 335×295×71 mm | 375×320×75 mm | 400×345×78 mm | 464×410×83 mm |
|---|---|---|---|---|---|
| Luminaire Net Weight | 2.1(±0.3)kg | 3.4(±0.3)kg | 4.5(±0.3)kg | 5.5(±0.3)kg | 8.3(±0.3)kg |
| Export Carton Size | 350×115×275mm | 400×125×335mm | 440×130×360mm | 470×130×390mm | 530×140×450mm |
| Gross Weight | 2.5(±0.3)kg | 3.9(±0.3)kg | 5.1(±0.3)kg | 6.1(±0.3)kg | 9.1(±0.3)kg |
| Mounting Option | Bracket Mounting / Pole Mounting | | | | |
| Material | Aluminum Alloy | | | | |
| | Tempered Glass and Polycarbonate Optical Lens | | | | |
| Finish | Powder Coating | | | | |
| Fixture Color | Black | | | | |
| EPA | 0.62ft² | 0.91ft² | 1.12ft² | 1.30ft² | 1.87ft² |
| IK Rating | IK08 | | | | |
| IP Rating | IP66 | | | | |

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 20,000hrs-L90 |
| | 42,000hrs-L80 |
| | 68,000hrs-L70 |
| Warranty | 5 Years |

## Description

FL11 LED flood light is optimized solution with full power from 30W/50W-300W, made with different size of molds, improve the product cost-effective. Multiple lighting distribution optional, including symmetric and asymmetric beam angles, which will be a great help to win different projects, such tennis court, badminton court,etc.

## Key Features

・ Asymmetric flood light for wholesales.
・ Cost-effictive but high quality.
・ Covering the best sellers 30W-50W-100W-150W-200W-300W
・ Five different dimensions, to achieve the best cost control for different wattage.
・ Stream line design, fashion outlook and not easy to accumulate water.
・ The vent avoid internal fogging and frosting.
・ Wide choice of optics to suit more applications: asymmetrical and symmetrical.
・ 5 years warranty.

## Applications

・ For recreational sports (tennis courts, basketball courts…)
・ Exhibition Center
・ Shopping Mall
・ Stadium
・ Accent lighting
・ Parking lots

## New Features

・ Photocell, PIR sensor available
・ Outtrigger arm bracket available.

*Please consult us for details.*
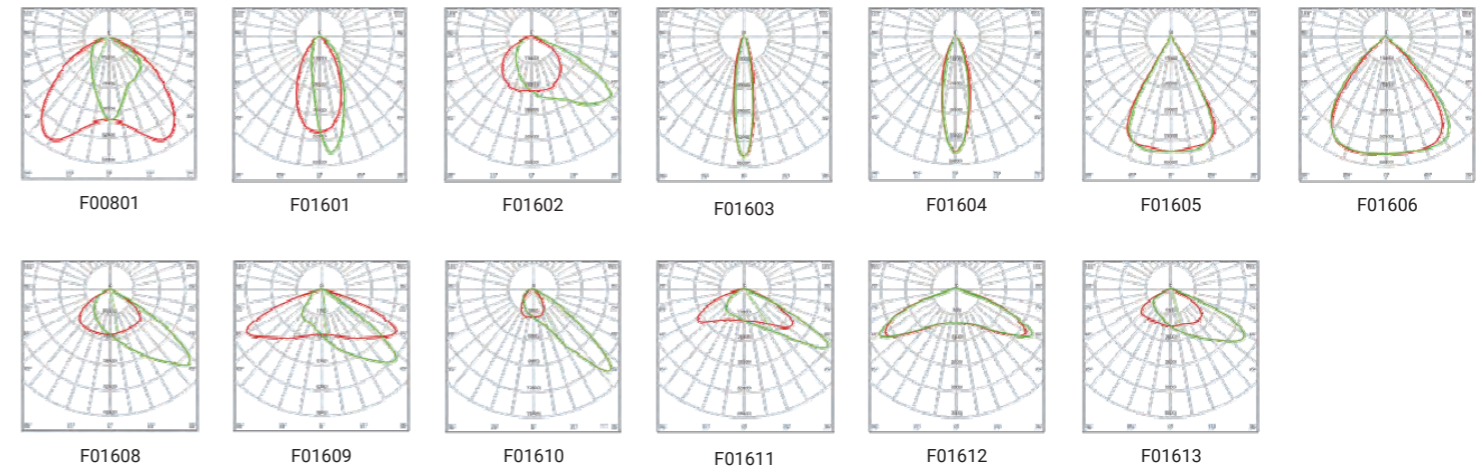
## Photometry



F00801   F01601   F01602   F01603   F01604   F01605   F01606

F01608   F01609   F01610   F01611   F01612   F01613

## Mounting Options



Bracket mounting   Pole mounting   Outrigger mounting

## Dimensions



**50W**

**100W**

**150W**

**200W**

FL11

**Version: 3.0**

**300W**

## Accessories

### Pole mount adaptor
ADC12 materials with powder coating, 60mm pole.

Code: BC-F15-06

### Pole mount adaptor
Q235 steel, surface treatment: cold galvanized+ e-coating + powder coating.

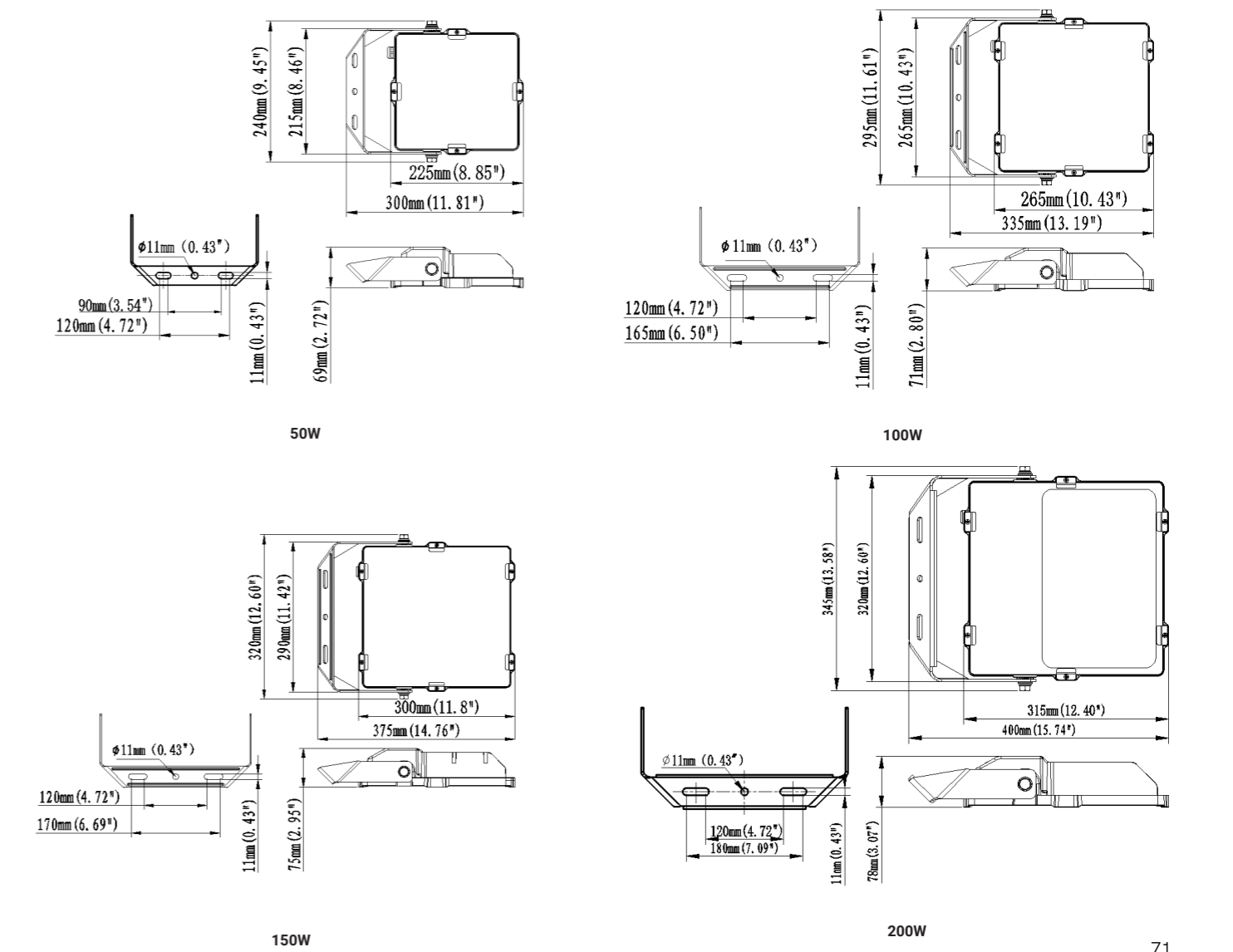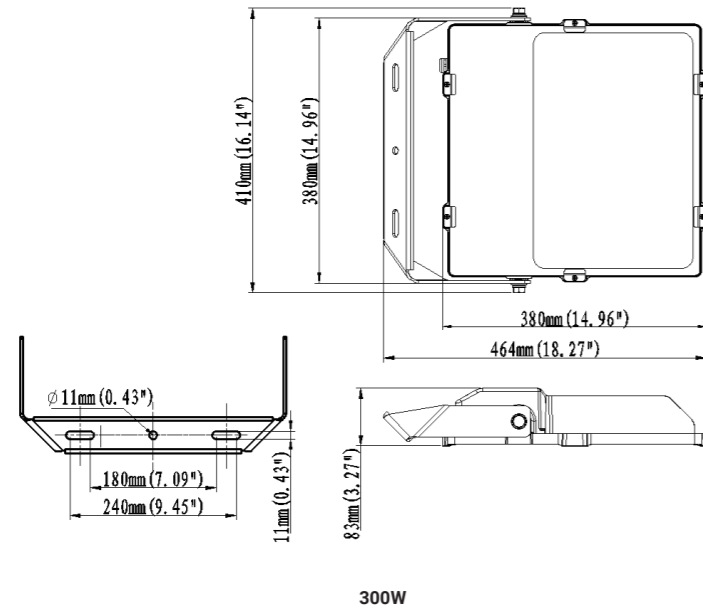Code: BC-F08-02(for dia.42mm)
Code: BC-F08-03(for dia.76mm)

### Clamp mount bracket
SPCC materials,  for dia. 40mm-100mm pole.

Code: BC-F15-07a

### Clamp mount bracket
SPCC materials,  for dia. 40mm-150mm pole.

Code: BC-F15-07b

### Outrigger arm
SPCC materials,  for 40W/60W/80W only.

Code: BC-F08-05

## Electrical Information

| Model No. | FL13-200 | FL13-400 | FL13-600 |
|---|---|---|---|
| Power Consumption(±3%) | 200W(±5%) | 400W | 600W |
| Power Supply | SOSEN | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | |
| Power Factor | >0.92 | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | 1-10V dimmable, DALI 2, DMX control | | |

## Optic Information

| | | | |
|---|---|---|---|
| LED Type 1 | LED 5050 (for 30°, 45°, 60°,38x100°) | | |
| Luminous Flux (±10%) | 27000lm | 54000lm | 81000lm |
| Efficacy(5000K Ra70) | 135LM/W | | |
| Beam Angle | F06003, F06005, F06006, F07001 | | |
| LED Type 2 | LED 3737 (for 10°, 15°, 15x40°) | | |
| Luminous Flux (±10%) | 25000lm | 50000lm | 75000lm |
| Efficacy(5000K Ra70) | 125LM/W | | |
| Beam Angle | F06001, F06002, F06004 | | |
| Correlated Color Temperature | 5000K (3000K, 4000K, 5700K optional) | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | |
| UGR level | NA | | |

## Description

Full series available by 200W to 1200W, ideal to retrofit the 400W to 3000W traditional lamps. The compact modular design gets a quick assembly and flexible installation. Easy to adjust the light angle and create the diversity of lighting environment. HiFlex is the most valuable and reliable high power floodlight in the market. Widely applicable to the sports field, plazas, docking space, etc.

## Dimentions and Mount

| | | | |
|---|---|---|---|
| Product Dimension | 321×316×118mm | 419×340×222mm | 529×340×226mm |
| Luminaire Net Weight | 4.1±0.3kg | 9.4±0.3kg | 15.3±0.5kg |
| Export Carton Size | 360×160×375mm | 478×270×390mm | 598×280×400mm |
| Gross Weight | 4.7±0.3kg | 10.6±0.3kg | 16.8±0.5kg |
| Mounting Option | Bracket Mounting | | |
| Material | Aluminum Alloy | | |
| | Tempered Glass and Polycarbonate Optical Lens | | |
| Finish | Powder Coating | | |
| Fixture Color | Silvery | | |
| EPA | 0.6ft² | 1.34ft² | 1.96ft² |
| IK Rating | IK08 | | |
| IP Rating | IP66 | | |

## Key Features

· Modular design from 200W to 600W.
· Vertically angle adjustment, easy way to adjust the light angle and create diversity of lighting environment.
· This convenient and humanized design enable it fit for different requests in outdoor lighting applications.
· Multiple optics option from 10° 15° to 30° to offer excellent light pollution control.
· Electrophoresis and powder coating with strong anti-corrosion.
· Efficiency up to 135lm/W, more energy saving.
· Provided with 10KV Build-in Surge Protection Devices.

## Lifespan and Warranty

| | |
|---|---|
| Operating Temperature | -30°C to + 40°C |
| Life Time of LED @Ta=25°C | 53,000hrs-L90 |
| | 111,000hrs-L80 |
| | 176,000hrs-L70 |
| Warranty | 5 Years |

## Applications

· Parking lots
· Outdoor sports
· Square
· Stadium
· For recreational sports (tennis courts, basketball courts…)
· Exhibition Center
· Soccer field

## New Features

*\* Please consult us for details.*

FL13

## Photometry

| F06001 | F06002 | F06003 | F06004 | F06005 | F06006 | F07001 |

## Mounting Options

**Bracket mounting**

200W  400W  600W  800W  1200W

## Dimensions

300(11.81")
25 (0.98")  Ø11 (0.43")
155(6.1")  11 (0.43")

321(12.64")
118(4.65")
316(12.44")

340(13.39")
419(16.5")
222(8.74")

Ø12 (0.47")
20(0.79")  160(6.3")  12 (0.47")

**200W**

**400W**

340(13.39")
529(20.83")
226(8.9")

Ø12 (0.47")
20(0.79")  160(6.3")  12 (0.47")

**400W**

## Accessories

**Visor**

SPCC materials for single LED module.

Code: BC-F13-04
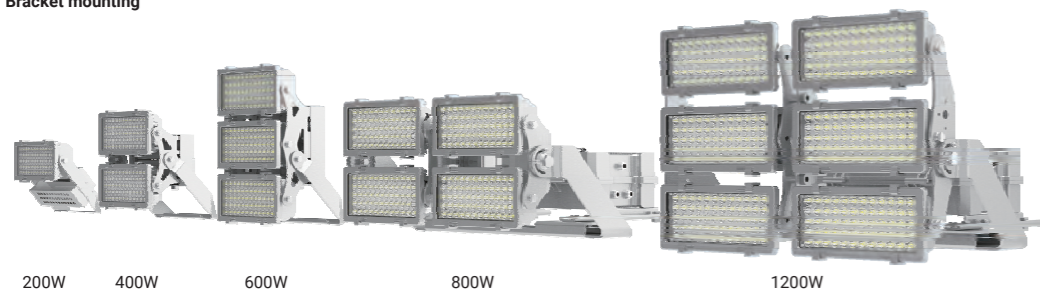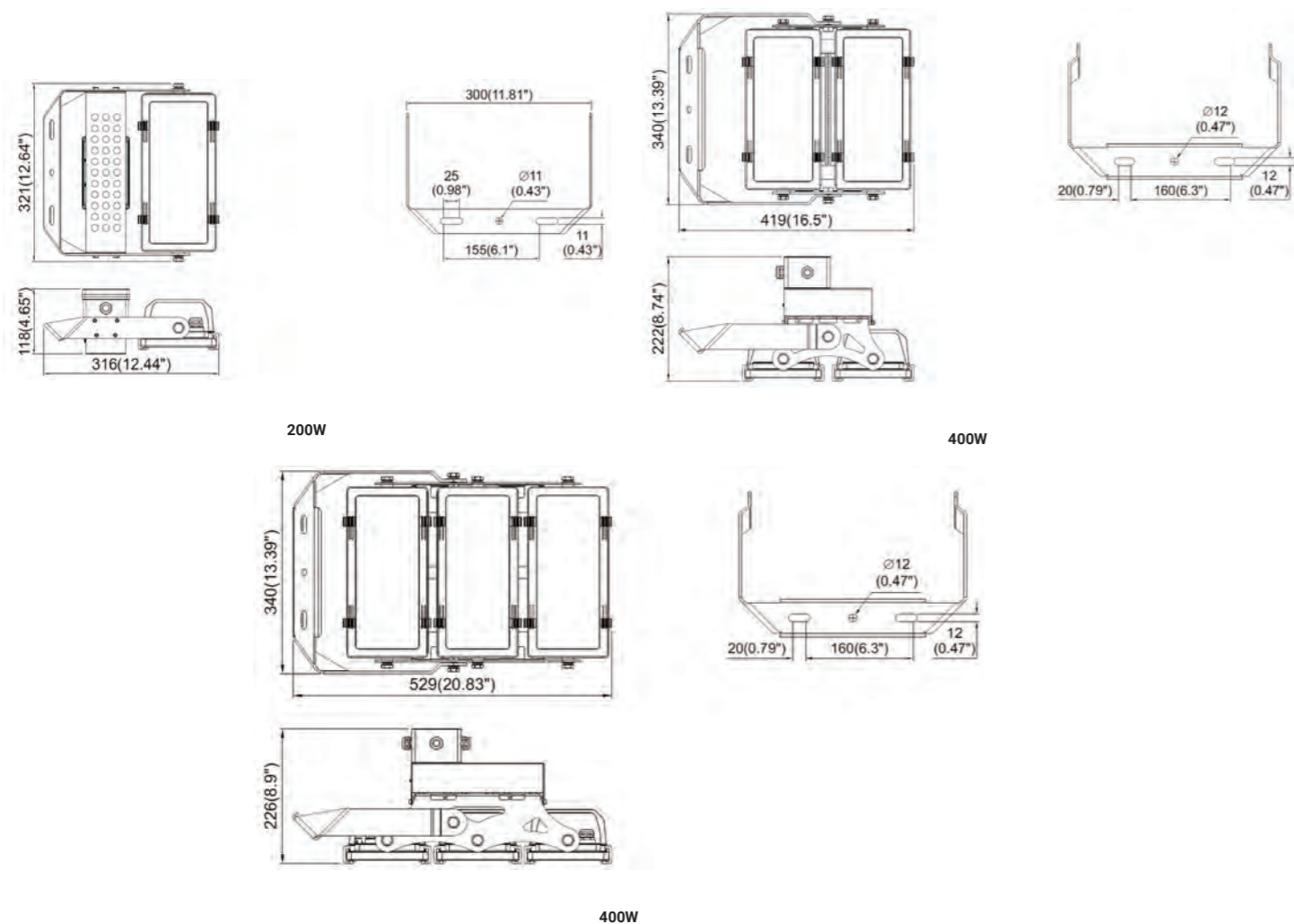
### Electrical Information

| Model No. | FL13-800 | FL13-1K2 |
|---|---|---|
| Power Consumption(±3%) | 800W | 1200W |
| Power Supply | SOSEN | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | |
| Power Factor | >0.92 | |
| Surge Protection | 6kV line-line, 10kV line-earth | |
| Driver Type | Constant Current (CC) | |
| Control | 1-10v dimmable, DALI, DMX control | |

### Optic Information

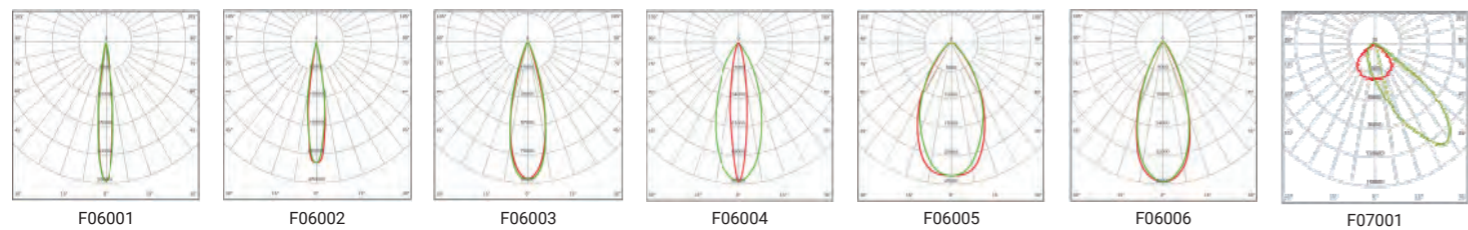| LED Type 1 | LED 5050 (for 30°, 45°, 60°,38x100°) | |
|---|---|---|
| Luminous Flux (±10%) | 108000lm | 162000lm |
| Efficacy(5000K Ra70) | 135LM/W | |
| Beam Angle | F06003, F06005, F06006, F07001 | |
| LED Type 2 | LED 3737 (for 10°, 15°, 15x40°) | |
| Luminous Flux (±10%) | 100,000lm | 150,000lm |
| Efficacy(5000K Ra70) | 125LM/W | |
| Beam Angle | F06001, F06002, F06004 | |
| Correlated Color Temperature | 5000K (3000K, 4000K, 5700K optional) | |
| Color Rendering Index | Ra70 (Ra80 optional) | |
| UGR level | NA | |

### Description

Full series available by 200W to 1200W, ideal to retrofit the 400W to 3000W traditional lamps. The compact modular design gets a quick assembly and flexible installation. Easy to adjust the light angle and create the diversity of lighting environment. HiFlex is the most valuable and reliable high power floodlight in the market. Widely applicable to the sports field, plazas, docking space, etc.

### Dimentions and Mount

| Product Dimension | Fixture body | 674×631×368mm | Fixture body | 674×640×473mm |
|---|---|---|---|---|
| | Driver box | 458×278×159mm | | |
| Luminaire Net Weight | Fixture body | 21.7±0.3kg | Fixture body | 26.6±0.3kg |
| | Driver box | 12.7±0.3kg | | |
| Export Carton Size | Fixture body | 760x620x300mm | Fixture body | 760x710x300mm |
| | Driver box | 477x340x210mm | | |
| Gross Weight | Fixture body | 24.5±0.3kg | Fixture body | 29.8±0.3kg |
| | Driver box | 13.7±0.3kg | | |
| Mounting Option | Bracket Mounting | | | |
| Material | Aluminum Alloy | | | |
| | Tempered Glass and Polycarbonate Optical Lens | | | |
| Finish | Powder Coating | | | |
| Fixture Color | Silvery | | | |
| EPA | Fixture body | 2.74ft² | Fixture body | 3.87ft² |
| | Driver box | 2.09ft² | | |
| IK Rating | IK08 | | | |
| IP Rating | IP66 | | | |

### Key Features

- Modular design from 200W to 600W.
- Vertically angle adjustment, easy way to adjust the light angle and create diversity of lighting environment.
- This convenient and humanized design enable it fit for different requests in outdoor lighting applications.
- Multiple optics option from 10° 15° to 30° to offer excellent light pollution control.
- Electrophoresis and powder coating with strong anti-corrosion.
- Efficiency up to 135lm/W, more energy saving.
- Provided with 10KV Build-in Surge Protection Devices.

### Lifespan and Warranty

| Operating Temperature | -30°C to + 40°C |
|---|---|
| Life Time of LED @Ta=25°C | 41,000hrs-L90 |
| | 85,000hrs-L80 |
| | 135,000hrs-L70 |
| Warranty | 5 Years |

### Applications

- Parking lots
- Outdoor sports
- Square
- Stadium
- For recreational sports (tennis courts, basketball courts…)
- Exhibition Center
- Soccer field

### New Features

*Please consult us for details.*

FL13

F06001　F06002　F06003　F06004　F06005　F06006　F07001
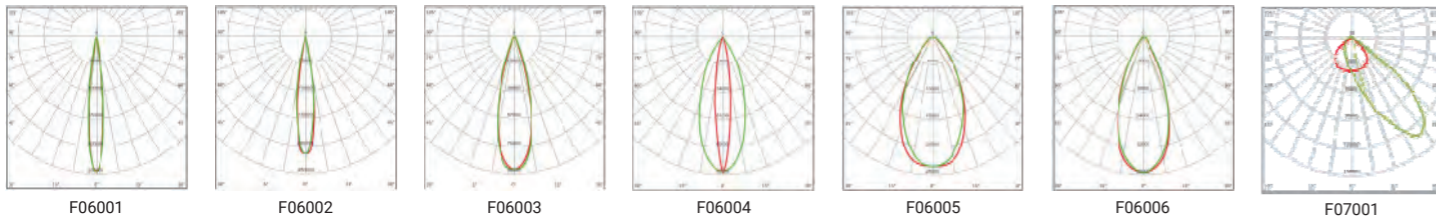
**Visor**
SPCC materials for single LED module.

Code: BC-F13-04

**Mounting Options**

**Bracket mounting**

200W　400W　600W　800W　1200W

**Dimensions**

800W

674mm (26.54")
287mm (11.30")

1200W

674mm (26.54")
287mm (11.30")

FL13
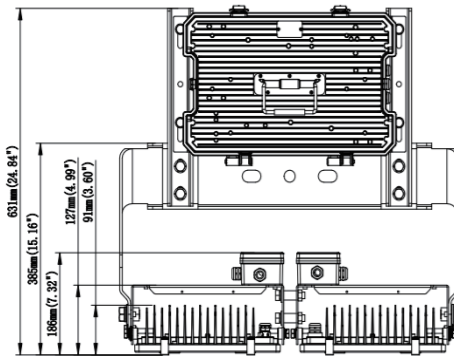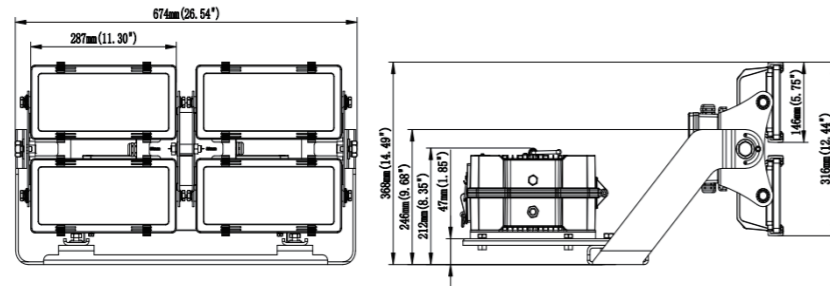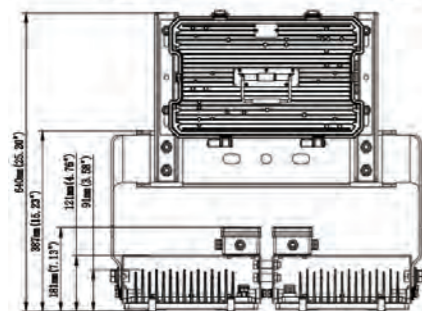
# Specifications - FL18 Gpower LED Flood Light

**Version: 3.0**

CE  RoHS

## Description

Gpower is a premium 600W floodlight,100% flicker-free,supports HDTV live broadcasting, ideal for use at the larger soccer field, stadiums, etc. It has a huge advantage for high pole mounting where requires precise lighting performance on every position on the ground. Thanks to ofessional optic design, the lighting distribution available in 10deg, this fixture can bolt on a visor to minimize glare and can be adjusted vertically also horizontally,
which makes sure each place has enough lighting, finally bring you a fantastic lighting uniformity. Gpower helps to do some big projects!

## Key Features

- All into one, cold-forging technology heat sink with good heat dissipation.
- High system efficiency 140lm/W, lumen package up to 84000lm.
- Precise lighting distribution 10°/30° to offer excellent light pollution control.
- Bracket with universal angle adjustment by horizontally and vertically.
- Strong anti-corrosion, fixture body handed by electrophoresis and powder coating.
- Quick install and efficient maintenance, driver box can be fixed together with the body or put aside.

## Applications

- For sports court
- For Billboard lighting
- Exhibition Center
- Shopping Mall
- Accent lighting
- Parking lots

## Electrical Information

| Model No. | FL18-600 | Driver Box(600W) | Driver Box(1200W) |
|---|---|---|---|
| Power Consumption(±5%) | 600W | 600W | 1200W |
| Power Supply | / | Inventronics Driver or Sosen Driver | |
| Input Voltage | DC 126 V | / | |
| Power Factor | / | >0.92 | |
| Surge Protection | / | 6kV line-line, 10kV line-earth | |
| Driver Type | / | Constant Current (CC) | |
| Control | / | 1-10V dimmable, DALI 2, DMX Control | |

## Optic Information

| LED Type 1 | LED 5050 |
|---|---|
| Luminous Flux (±10%) | 84000lm |
| Efficacy(5000K Ra70) | 140LM/W |
| Beam Angle | F25203(30°), F25204(TypeⅢ very short) |
| LED Type 2 | LED 3737 |
| Luminous Flux (±10%) | 84000lm |
| Efficacy(5000K Ra70) | 130LM/W |
| Beam Angle | F25201(10°) , F25202(15°) |
| Correlated Color Temperature | 5000K (3000K, 4000K, 5700K optional) |
| Color Rendering Index | Ra70 (Ra80, Ra90 optional) |
| UGR level | NA |

## Dimentions and Mount

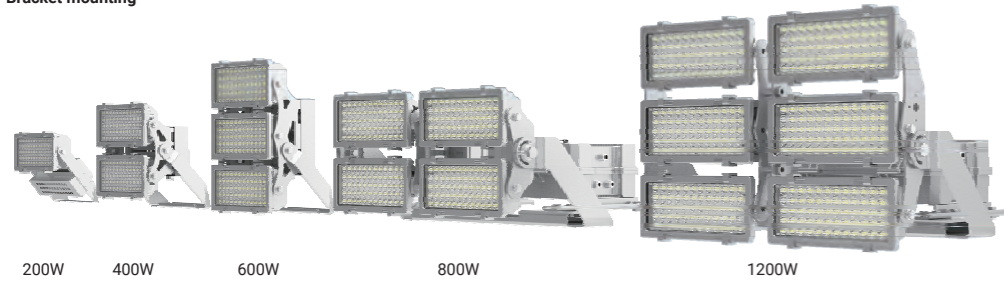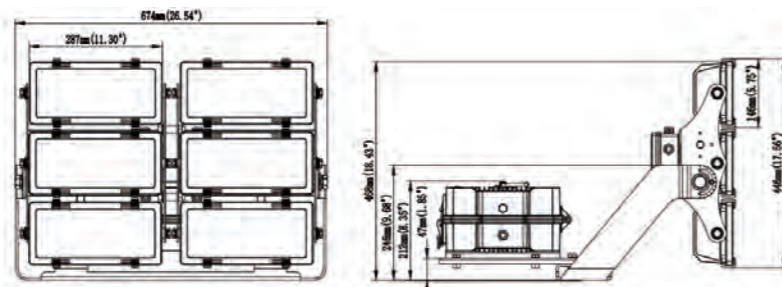| Product Dimension | 411×583×436mm | 458×278×159mm | |
|---|---|---|---|
| Luminaire Net Weight | 11.5±0.3kg | 8.7±0.3kg | 12.5±0.3kg |
| Export Carton Size | 456×176×650mm | 477x340x210mm | |
| Gross Weight | 12.8±0.3kg | 9.7±0.3kg | 13.5±0.3kg |
| Mounting Option | U type bracket mounting, arm bracket mounting | | |
| Material | Aluminum Alloy | | |
| | Tempered Glass and Polycarbonate Optical Lens | | |
| Finish | Powder Coating | | |
| Fixture Color | Black | | |
| EPA | 2.14ft² | 1.64ft² | |
| IK Rating | IK08, IK10 | | |
| IP Rating | IP66 | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 45,000hrs-L90 |
| | 94,000hrs-L80 |
| | 149,000hrs-L70 |
| Warranty | 5 Years |

## New Features

- U type bracket
- Integrated driver box

*** Please consult us for details.**

## Photometry
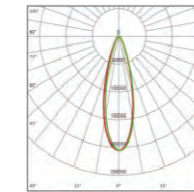


F25201 10°  
F25202 15°  
F25203 30°  
F25204 Type II very short
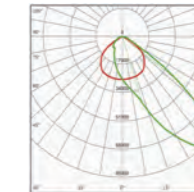
## Mounting Options



Arm bracket mount  
U bracket mount  
Remote driver box  
Back up driver box

## Dimensions



436(17.17") / 404(15.91") / 411mm(16.18")  
436mm(17.17") / 583mm(22.95")  
170mm(6.69") / 170mm(6.69") / 100° / Ø134mm (Ø5.28") / R5mm (R0.2")

**Fixture**

278mm(10.94") / 158.5mm(6.24") / 458mm(18.03")
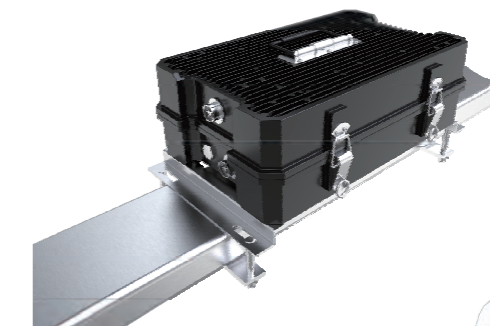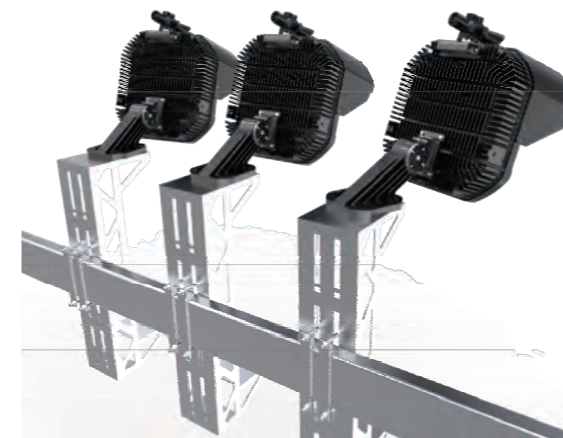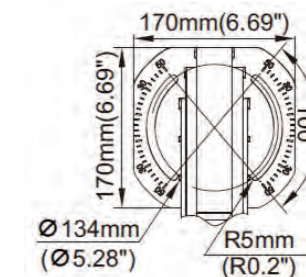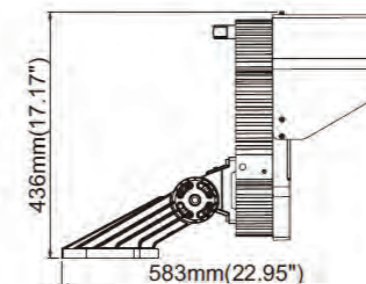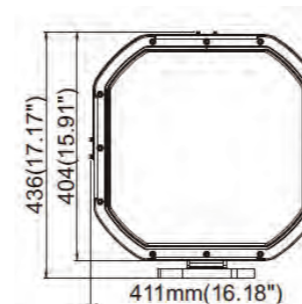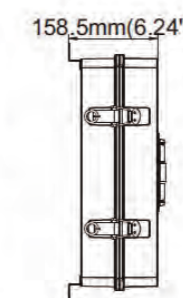
**600W/1200W Driver box**

## Accessories

**Aiming device**
Exact aiming to help easy install upon lighting simulation.

Code: AD-A00-01

**Adjustable bracket for Aiming device**
SPCC materials, installed in fixture body 20° beam angle adjustable.

Code: BC-A00-01

**Visor**
SPCC materials.

Code: BC-F18-01

**U bracket**
SPCC materials.

Code: BC-F18-04

CE CB RoHS

### Electrical Information

| Model No. | FL27-800 | FL27-1K2 |
|---|---|---|
| Power Consumption(±5%) | 800W | 1200W |
| Power Supply | SOSEN | |
| Input Voltage | 200-240VAC , 50 / 60 Hz | |
| Power Factor | >0.92 | |
| Surge Protection | 10kV line-line, 20kV line-earth | |
| Driver Type | Constant Current (CC) | |
| Control | Dimmable, DALI 2, DMX | |
| | Zigbee Wireless Control | |

### Optic Information

| LED Type | LED 3737 | LED 5050 | LED 3737 | LED 5050 |
|---|---|---|---|---|
| Luminous Flux (±10%) | 120000lm | 128000lm | 180000lm | 192000lm |
| Efficacy(5000K Ra70) | 150lm/W | 160lm/W | 150lm/W | 160lm/W |
| Correlated Color Temperature | 5000K (4000K,5700K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | F07501，F07502，F11001，F11002 | | | |
| UGR level | NA | | | |

### Dimentions and Mount

| Product Dimension | 510×526×483mm | 535×561×488mm |
|---|---|---|
| Luminaire Net Weight | 31.2±0.3kg | 33.2±0.3kg |
| Export Carton Size | 600x600x610mm | |
| Gross Weight | 38±0.3kg | 40±0.3kg |
| Mounting Option | Bracket Mounting | |
| | NA | |
| Material | Aluminum Alloy | |
| | Polycarbonate Optical Lens | |
| Finish | Powder Coating | |
| Fixture Color | Black body | |
| EPA | 1.72ft$^2$ | 2.26ft$^2$ |
| IK Rating | IK10 | |
| IP Rating | IP66 | |

### Description

FL27 HeLios is a superior high output, high efficiency LED flood light, which is the ideal solution for professional stadium lighting and sports fields. Cold forged heat sink with sun flower fin design make it's better heat dissipation. Narrow beam angle 11° specially design for higher installations above 98ft(29m), and medium beam angle 60° is designed for normal installation height.

### Key Features

· High power 800W & 1200W up to 170m/W
· IP66, IK10 protection, high UV-resistant & corrosion-resistant provide a longer life time
· Versatile mounting bracket designed for easy installation
· Optional light shield to reduce uplight
· Directional and removable laser available to achieve accurate installation
· 1-10V, DALI, DMX smart control are available
· 5 years warranty

### Lifespan and Warranty

| Operating Temperature | -30°C to + 40°C(-22°F to 104°F) |
|---|---|
| Life Time of LED @Ta=25°C | 53000hrs-L90 |
| | 111000hrs-L80 |
| | 178000hrs-L70 |
| Warranty | 5 Years |

### Applications

· Outdoor sports fields
· Square
· Stadium
· Exhibition Center
· Soccer field

### New Features

*Please consult us for details.*

FL27

**800W/1200W beam angle**



F07501 | F07502 | F11001 | F11002

## Mounting Options



Bracket mounting

## Dimensions

**800W**



150 (5. 9'')
3-Φ22(0. 87'')
526 (20. 71'')
601 (23. 66'')
392 (15. 43'')
450 (17. 72'')
483 (19. 02'')
631 (24. 84'')
510 (20. 08'')
721 (28. 39'')

**1200W**



150 (5. 9'')
3-Φ22(0. 87'')
561 (22. 09'')
635 (25'')
397 (15. 63'')
520 (20. 47'')
488 (19. 21'')
686 (27. 01'')
535 (21. 06'')
776 (30. 55'')

## Accessories



**Optic lens**
High transmittance PC materials, UV test approval.

Code: please refer to Photometry for different beam angle.



**Precision Aiming Device**
Accurate adjustment of luminaire projected position.



**Aluminum Reflector**
Effectively prevent light pollution.



**Safety rope**
Auxiliary safety device to prevent accidents.

FL27

# Specifications - FL28 LED Sports Light

**Version: 2.3**

## Electrical Information

| Model No. | FL28-600 | FL28-800 | FL28-1K0 | FL28-1K2 |
|---|---|---|---|---|
| Power Consumption(±5%) | 600W | 800W | 1000W | 1200W |
| Power Supply | SOSEN | | | |
| Input Voltage | 200-240VAC / 277-480 VAC, 50 / 60 Hz | | | |
| Power Factor | >0.92 | | | |
| Surge Protection | 10KV line-line, 20KV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | Dimmable, DALI 2, DMX | | | |
| | Zigbee Wireless Control | | | |

## Optic Information

| LED Type | LED 3737 | LED 5050 | LED 3737 | LED 5050 | LED 3737 | LED 5050 | LED 3737 | LED 5050 |
|---|---|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 84000lm | 96000lm | 112000lm | 128000lm | 140000lm | 160000lm | 168000lm | 192000lm |
| Efficacy(5000K Ra70) | 140lm/W | 160lm/W | 140lm/W | 160lm/W | 140lm/W | 160lm/W | 140lm/W | 160lm/W |
| Correlated Color Temperature | 5000K (4000K,5700K optional) | | | | | | | |
| Color Rendering Index | Ra70 (Ra80 , Ra90 optional) | | | | | | | |
| Beam Angle | F19801, F19802, F19803, F19804, F19805, F19806, F19808 | | | | | | | |
| UGR level | NA | | | | | | | |

## Description

FL28 LED sports light is designed for high mounting application, such as large soccer field, large plazas. 600W/800W/1000W/1200W with small beam angle could positioning certain area, to minimise glare and control the uniformity. Module could be adjusted vertically and horizontally to get the best light uniformity.

## Dimentions and Mount

| Product Dimension | 731×597×356mm (28.78" x 23.5"x 14.02") | 825×597×356mm (32.48" x 23.5"x 14.02") |
|---|---|---|
| Luminaire Net Weight | 26±0.3kg (57.2±0.66Lbs) / 29.8±0.3kg (65.6±0.66Lbs) | 33.2±0.3kg (73±0.66Lbs) |
| Export Carton Size | 830x680x410mm(32.68"×26.77"×16.14") | |
| Gross Weight | 32.9±0.3kg (72.4±0.66Lbs) / 36.7±0.3kg (80.7±0.66Lbs) | 40.1±0.3kg (88.2±0.66Lbs) |
| Mounting Option | Bracket Mounting | |
| | NA | |
| Material | Aluminum Alloy | |
| | Glass and Polycarbonate Optical Lens | |
| Finish | Powder Coating | |
| Fixture Color | Black body | |
| EPA | 0.33M² | 0.39M² |
| IK Rating | IK08 | |
| IP Rating | IP66 | |

## Key Features

- Modular design, 600W/800W/1000W/1200W.
- This convenient and humanized design enable it fit for different requests in outdoor lighting applications.
- Multiple optics option F19801, F19802, F19803, F19804, F19805, F19806, F19808 to offer excellent light pollution control.
- Excellent anti-corrosion performance.
- Efficiency up to 140lm/W, 160lm/W, more energy saving.
- Provided with 20KV Build-in Surge Protection Devices.

## Lifespan and Warranty

| Operating Temperature | -30°C to + 40°C(-22°F to 104°F) |
|---|---|
| Life Time of LED @Ta=25°C | 53000hrs-L90 |
| | 111000hrs-L80 |
| | 178000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Outdoor sports fields
- Square
- Stadium
- Exhibition Center
- Soccer field

## New Features

*Please consult us for details.*

## Photometry



F19801  F19802  F19803  F19804  F19805  F19806  F19808

## Mounting Options



Bracket mounting

## Dimensions

### 600/800W
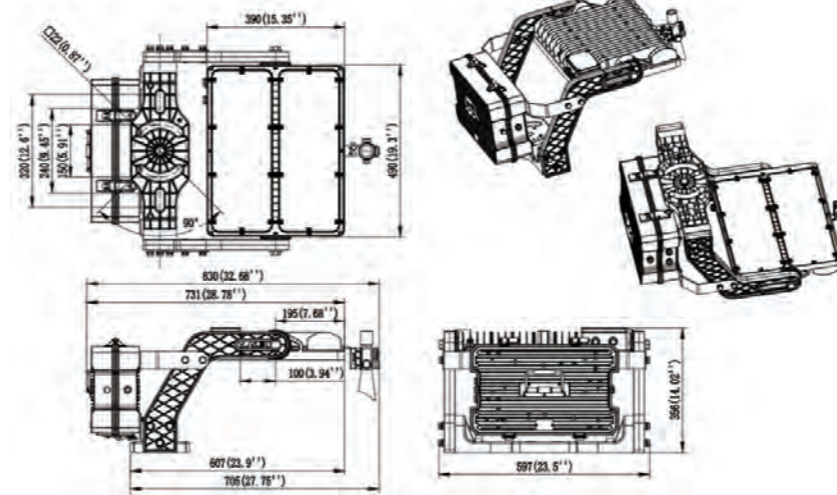


### 1000/1200W
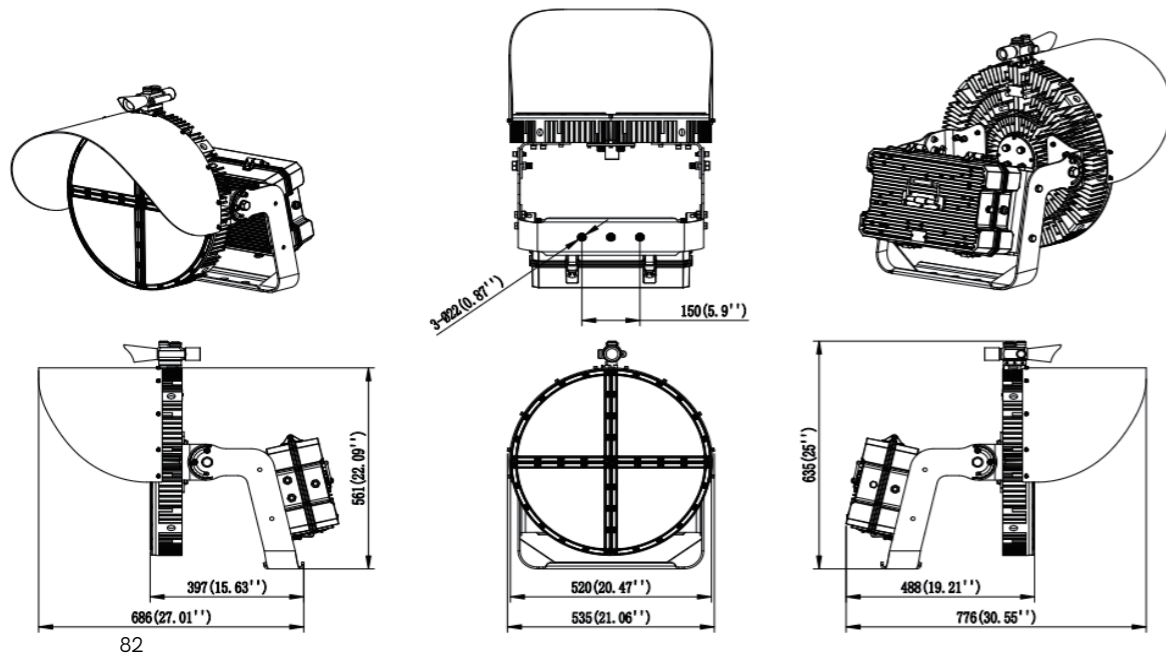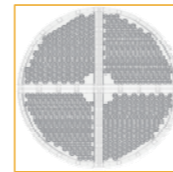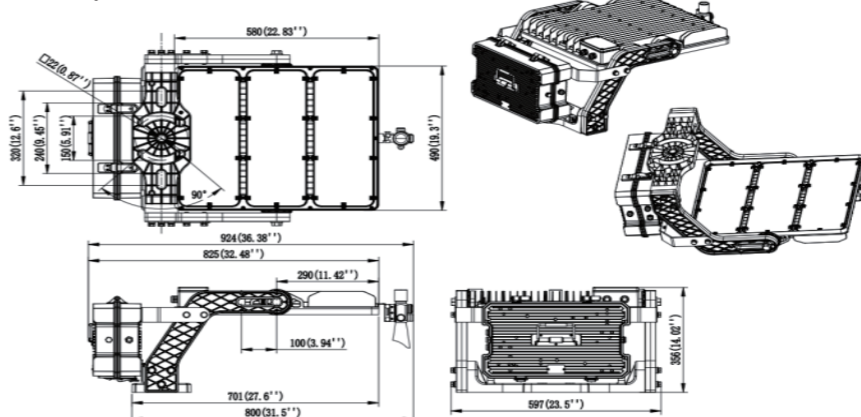


CE  CB  RoHS

FL28

## Accessories

**Optic lens**
High transmittance PC materials, UV test approval.

Code: please refer to Photometry for different beam angle.

**Precision Aiming Device**
Accurate adjustment of luminaire projected position.

**Safety rope**
Auxiliary safety device to prevent accidents.

CE  RoHS

# Specifications - FL33 LED Flood Light

Version: 1.1

### Electrical Information

| Model No. | FL33-100 | FL33-200 | FL33-300 | FL33-400 | FL33-500 |
|---|---|---|---|---|---|
| Power Consumption(±5%) | 100W | 200W | 300W | 400W | 500W |
| Power Supply | PHILIPS | | | | |
| Input Voltage | AC 220-240V, 50 / 60 Hz | | | | |
| Power Factor | >0.9 | | | | |
| Surge Protection | 4kV | | | | |
| Driver Type | Constant Current (CC) | | | | |
| Control | / | | | | |

### Optic Information

| LED Type | LED 3030 | | | | |
|---|---|---|---|---|---|
| Luminous Flux (±10%) | 15000lm | 30000lm | 45000lm | 60000lm | 75000lm |
| Efficacy(5000K Ra70) | 150lm/W | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | |
| Color Rendering Index | Ra70 (Ra80, Ra90 optional) | | | | |
| Beam Angle | F15003, F15004 | | | | |
| UGR level | / | | | | |

### Description

FL33 supports flexible assembly of different wattage, from 100W to 500W. As the main light for large-area illumination, are widely used in many scenarios, such as factories, billboards, highways, railways, tunnels, bridges, culverts, squares, stadiums, buildings, etc. Meanwhile, we obtained patent protection for its appearance.

### Dimentions and Mount

| | | | | | |
|---|---|---|---|---|---|
| Product Dimension | 394×165x103 mm | 448×315×117 mm | 448x445x117 mm | 448x575x117 mm | 448x705x117 mm |
| Luminaire Net Weight | 2.1±0.3kg | 7.1±0.3kg | 9.5±0.3kg | 11.6±0.3kg | 13.8±0.3kg |
| Export Carton Size | 445x240x175 mm | 500x410x195 mm | 555x510x215 mm | 685x510x215 mm | 815x510x215 mm |
| Gross Weight | 2.7±0.3kg | 8.4±0.3kg | 11.3±0.3kg | 13.6±0.3kg | 16.1±0.3kg |
| Mounting Option | Bracket Mounting | | | | |
| Material | Aluminum Alloy | | | | |
| | Polycarbonate Optical Lens | | | | |
| Finish | Powder Coating | | | | |
| Fixture Color | Black | | | | |
| EPA | 0.54ft^2 | 1.19ft^2 | 1.82ft^2 | 2.45ft^2 | 3.08ft^2 |
| IK Rating | IK10 | | | | |
| IP Rating | IP66 | | | | |

### Key Features

• Modular design
• Stock single module 100W, easy to assemble 200W-500W.
• Various angles are available (60°, T2)
• High efficiency up to 145lm/w.
• Provide multiple installation holes for options, application scenarios are more diverse.
• The whole fittings comes with excellent heat dissipation, low temperature and longer span life.

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 80000hrs-L80 |
| | 127000hrs-L70 |
| Warranty | 5 Years |

### Applications

• Indoor and outdoor high ceiling application
• Warehouse
• Factory
• Industrial facility
• Chemical Facilities
• Exhibition centers
• Shopping malls
• Stadiums
• Toll stations

### New Features

*\* Please consult us for details.*

## Photometry
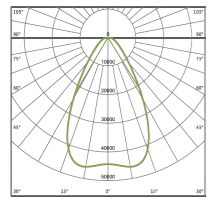


F15003



F15004

## Mounting Options



Bracket mounting

## Dimensions
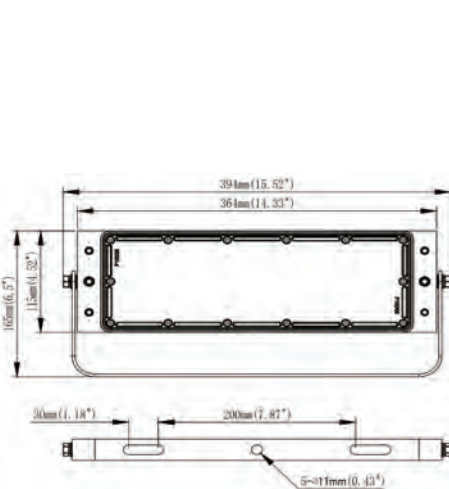


**100W**
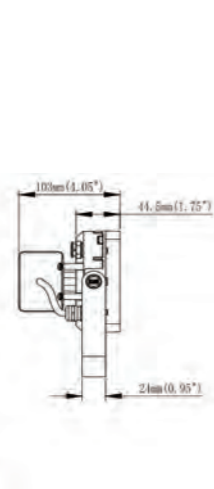


**200W**
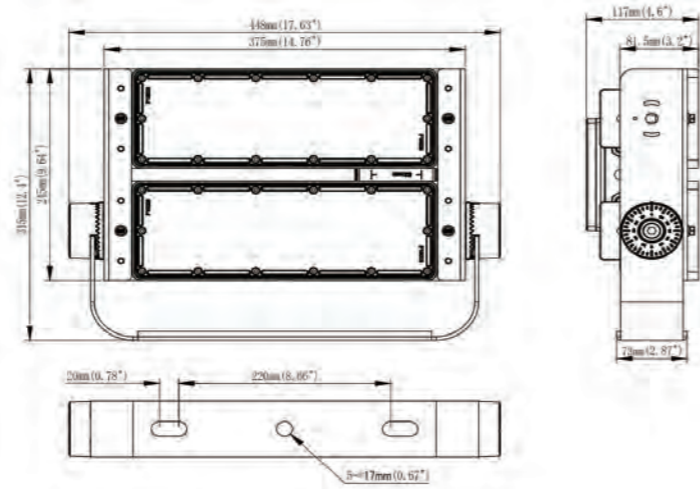


**300W**
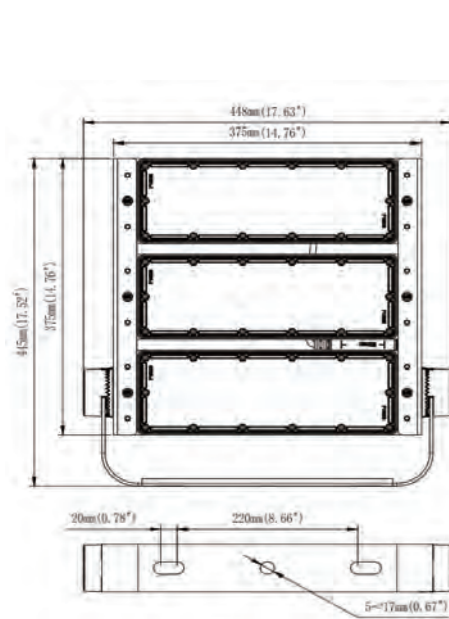


**400W**
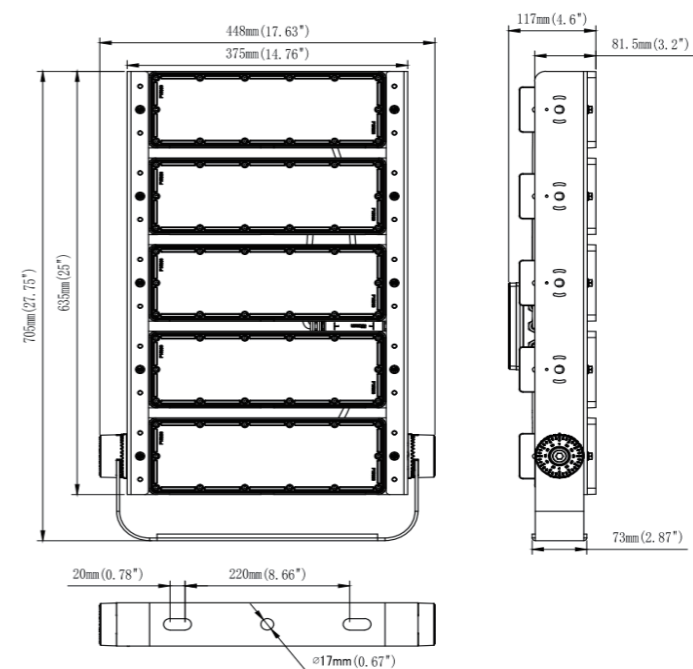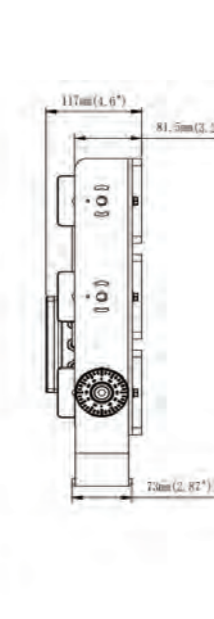


**500W**

## Accessories



**Safety rope**
Stainless steel rope, 1m length.

Code: SL-F33-01(for 200W-500W)

## Electrical Information

| Model No. | ST11-180 | ST11-240 | ST11-300 | ST11-450 | ST11-600 |
|---|---|---|---|---|---|
| Power Consumption(±5%) | 180W | 240W | 300W | 450W | 600W |
| Power Supply | Sosen, Meanwell (Only 600W 277-480V) | | | | |
| Input Voltage | 100-240VAC, 50 / 60 Hz | | | | |
| Power Factor | >0.93 | | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | | |
| Driver Type | Constant Current (CC) | | | | |
| Control | Non dimmable | | | | |
| | 1-10V Dimmable / Photocell | | | | |

## Optic Information

| LED Type | LED 5050 | | | | |
|---|---|---|---|---|---|
| Luminous Flux (±10%) | 26100lm | 34800lm | 43500lm | 65250lm | 87000lm |
| Efficacy(5000K Ra70) | 145lm/W | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | |
| Color Rendering Index | Ra70 | | | | |
| Beam Angle | R10502, R10503, R105034, R10505, R10506, R10507, R10509 | | | | |
| UGR level | N/A | | | | |

### Description

Slim designed HiPole X is an excellent choice for new construction or retrofit application. The High output LED and glass lens provide outstanding uniformity and efficiency. Multiple asymmetric beam angle makes it flexiable for different projects' requirement. It can replace existing HID/HPS/MW fixtures up to 1000W.

CB  CE  SAA  RoHS

## Dimentions and Mount

| Product Dimension (U Bracket/ Wall Mount) | 685×362×94mm | | | 740x658x104mm | |
|---|---|---|---|---|---|
| Luminaire Net Weight (U Bracket/ Wall Mount) | 9.4±0.3 kg | 10.1±0.3 kg | 10.5±0.3 kg | 21±0.3 kg | 22.1±0.3 kg |
| Export Carton Size (U Bracket/ Wall Mount) | 630×415×160mm | | | 819×636×180mm | |
| Gross Weight(U Bracket/ Wall Mount) | 10.3±0.3 kg | 11.0±0.3 kg | 11.5±0.3 kg | 22.9±0.3 kg | 24.4±0.3 kg |
| Mounting Option | Slipfitter Mount | | | | |
| | Arm/pole Mount | | | | |
| | U Bracket/ Wall Mount | | | | |
| Material | Aluminum Alloy | | | | |
| | Polycarbonate Optical Lens | | | | |
| Finish | Powder Coating | | | | |
| Fixture Color | Bronze /Black | | | | |
| EPA | 3.47ft² | | | | |
| IK Rating | IK08 | | | | |
| IP Rating | IP66 | | | | |

### Key Features

- High output lumen efficiency, up to 145lm/W.
- The housing is made of 100% aluminum alloy and utilizes external airflow fins to get better heat dissipation
- More than 6 varity of beam angles to fit different applications, including Type II, III, IV, V.
- Multiple mouting options: round or sauqre pole mount, U bracket mount as flood light.
- Electrophoresis and powder coating with strong anti-corrosion.
- Two sizes optional for 180W-600W.
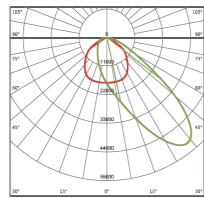- Provided with 10KV Surge Protection Devices.

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 49000hrs-L90 |
| | 110000hrs-L80 |
| | 180000hrs-L70 |
| Warranty | 5 Years |

### Applications

- Parking lots
- Outdoor sports
- Square
- Stadium
- For recreational sports (tennis courts, basketball courts…)
- For Billboard lighting (Tall-type billboard, wide-type billboard)
- Exhibition Center
- Soccer field
- Grain and Sugar Production

* Lumen ouput and light distribution are only for reference. Not all product variations listed on this page are DLC Standard/Premium qualified. Visit www.designlights.org/search to confirm qualification.

### New Features

*Please consult us for details.*

### Photometry



R10502  R10503  R10504  R10505  R10506  R10507  R10509

### Mounting Options



Post top mounting   Side Entry mounting   Wall mounting   Staight arm mounting   Slipfitter mounting

### Dimensions



703mm (27.68")

Straight Arm Mount 180W/240W/300W

752mm (29.61")

149mm (5.87")

Straight Arm Mount 450W 600W

685mm (26.97")

263mm (14.25")

Wall Mount 180W/240W/300W

740mm (29.13")

658mm (25.91")

Wall Mount 450W/600W

Ø63mm (2.48")   322mm (12.68")   194mm (7.64")

738mm (29.05")

Slipfitter Mount 180W/240W/300W

Ø63mm (2.48")   601mm (23.66")   200mm (7.87")

787mm (30.98")

Slipfitter Mount 450W/600W

ST11

# Specifications - ST11 HiPole X LED Flood Light

## Accessories

**PC Optic Lens**
Refer to the Photometry

**Slip Fitter mount adaptor**
SPCC materials, for dia.60/ 76mm pole

Code: SP-R05-02

**Pole mount adaptor**
SPCC materials, for dia.60/ 76mm pole

Code: SP-R11-03

**Pole mount adaptor**
SPCC materials, for dia.60/ 76mm pole

Code: SP-R11-04

**Wall mount adaptor**
SPCC materials with outdoor powder coating.

Code: SP-R11-05a (for 180W,240W and 300W)
Code: SP-R11-05b (for 450W,600W )

**Straight Arm  mount adaptor**
Q235 with Akzo Powder Coating materials,
for 100x100mm square pole.

Code: SP-R05-03

**NEMA socket**
3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

**Photocell control**
ON-OFF automatically according to day light.

Code: PS-A00-01

**Shorting cap**
Cover NEMA socket when it is not used.

Code: NS-A00-01

**House-side Shield**
PC Material for back light control  .

Code: SPR11-06

ST11

# Outdoor Area
# and Roadway Luminaires

**HiSmooth** / P95-103

**ST10** / P104-109

**ST11** / P110-112

**ST23** / P113-115

**ST33** / P116-119

**ST36** / P120-123

**ST43** / P127-127

**UST03** / P128-129

170 LPW — High efficiency 150-170lm/W

Strong Anti-corrosion

Bollards

Solar street light

Zhaga

LoRa

300w — 300W street light

Step-dim, CLO or Dali

Suspension mounting

3G Test — 3G vibration test verified

With motion senor

Lens with glass

Urban & pedestrian paths

Class II optional

Lens without glass

Snow load

With optics for pedestrian crossing lighting

# Specifications - ST03 HiSmooth LED Street Light
## Large size

Version: 3.1

### Electrical Information

| Model No. | ST03-030 | ST03-050 | ST03-070 | ST03-090 | ST03-120 | ST03-150 |
|---|---|---|---|---|---|---|
| Power Consumption(±5%) | 30W | 50W | 70W | 90W | 120W | 150W |
| Power Supply | SOSEN | | | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | | | |
| Power Factor | >0.90 | | | ≥0.92 | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | | | |
| Driver Type | Constant Current (CC) | | | | | |
| Control | DALI Control/ Photocell | | | | | |
| | Timer Control/ Solar Optional | | | | | |

### Optic Information

| LED Type | LED 3030 | | | | | |
|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 4050lm | 6750lm | 9450lm | 11700lm | 15600lm | 19500lm |
| Efficacy(4000K Ra70) | 135lm/W | | | 130lm/W | | |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) | | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | | |
| Beam Angle | R17601, R17602, R17603, R17604, R17605, R17611, R17612, R17613, R17614, R20001, R20002 | | | | | |
| UGR level | N/A | | | | | |

### Dimentions and Mount

| Product Dimension | 763×352x167mm (Side entry) | | | |
|---|---|---|---|---|
| Luminaire Net Weight | 8.5±0.3kg | 8.8±0.3kg | 9.0±0.3kg | 9.2±0.3kg |
| Export Carton Size | 790x390x150mm | | | |
| Gross Weight | 10.2±0.3kg | 10.5±0.3kg | 10.7±0.3kg | 10.9±0.3kg |
| Mounting Option | Pole Mounting | | | |
| | Wall Mounting | | | |
| Material | Aluminum Alloy | | | |
| | Tempered Glass+Polycarbonate Optical Lens | | | |
| Finish | Powder Coating | | | |
| Fixture Color | Grey (RAL9006) | | | |
| EPA | 3.47ft² | | | |
| IK Rating | IK08 | | | |
| IP Rating | IP66 | | | |

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 49000hrs-L90 |
| | 110000hrs-L80 |
| | 180000hrs-L70 |
| Warranty | 5 Years |

## Description

HiSmooth LED streetlight is low-profile, durable and state-of-the-art fixture. Designed for roadway and parking lot area.

CE  CB  RoHS  SAA

## Key Features

- Classic smooth design, from 30W to 150W
- 135lm/W
- Tool-free open and maintenance, easy replacement for LED driver
- Power-off &10KV Surge Protection
- Smart control: timer control dimming, photocell, DALI system
- Wide choice of optics and installation spigots

## Applications

- Traffic routes
- Residential areas
- Plazas, parking lot areas

## New Features

- Timer dimming is available ( for 30W-150W ).
- Timer Dimming with 7Pin NEMA Socket is optional.
- Direct DC 12/24V input for Solar System is available.

*\* Please consult us for details.*

## Photometry



R17601  R17602  R17603  R17604  R17605  R17611

R17612  R17613  R17614  R20001  R20002

## Mounting Options



Side entry mounting   Post top mounting   Wall mounting   Corner mounting
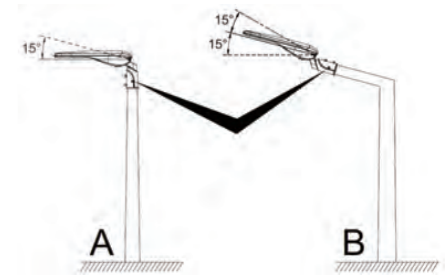
±15° tilt adjustable

## Dimensions



Standard Version

Photocell Version

## Pole mount spigot

ADC12 materials, ±15° tilt adjustable, for dia.34/ 42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
Code: SP-R03-04(for dia.76mm)

## Wall mount adaptor

SPCC materials with outdoor powder coating.

Code: SP-R03-05

## T shape pole mount adaptor

Q235 with Akzo Powder Coating materials, for 100x100mm square pole.

Code: SP-R03-07

## T shape pole mount adaptor

SPCC materials, for dia.60/ 76mm pole

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)

## L shape pole mount adaptor

Q235 materials, for 100x100mm square pole.

Code: SP-R03-10

## L shape pole mount adaptor

SPCC materials, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)

## Corner mount adaptor

SPCC materials with outdoor powder coating.

Code: SP-R19-02

## L shape pole mount adaptor

SPCC materials, for dia.60mm pole

Code: SP-R19-01(for dia.60mm)

## Photocell control

ON-OFF automatically according to day light.

Code: PS-A00-01

## Shorting cap

Cover NEMA socket when it is not used.

Code: NS-A00-01

## NEMA socket

3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

---

# Specifications - ST08 HiSmooth LED Street Light
## Medium size

Version: 3.1

### Electrical Information

| Model No. | ST08-030 | ST08-050 | ST08-070 | ST08-090 |
|---|---|---|---|---|
| Power Consumption(±5%) | 30W | 50W | 70W | 90W |
| Power Supply | SOSEN | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | |
| Power Factor | >0.92 | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | DALI Control/ Photocell | | | |
| | Timer Control/ Solar Optional | | | |

### Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 4050lm | 6750lm | 9450lm | 11700lm |
| Efficacy(4000K Ra70) | 135lm/W | | 130lm/W | |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | R09601, R09602 , R09603, R09604, R09605, R09606 | | | |
| UGR level | N/A | | | |

CE CB RoHS SAA

### Description

HiSmooth LED streetlight is low-profile, durable and state-of-the-art fixture. Designed for roadway and parking lot area. The medium size is made to improve cost-effective for 30W-90W.
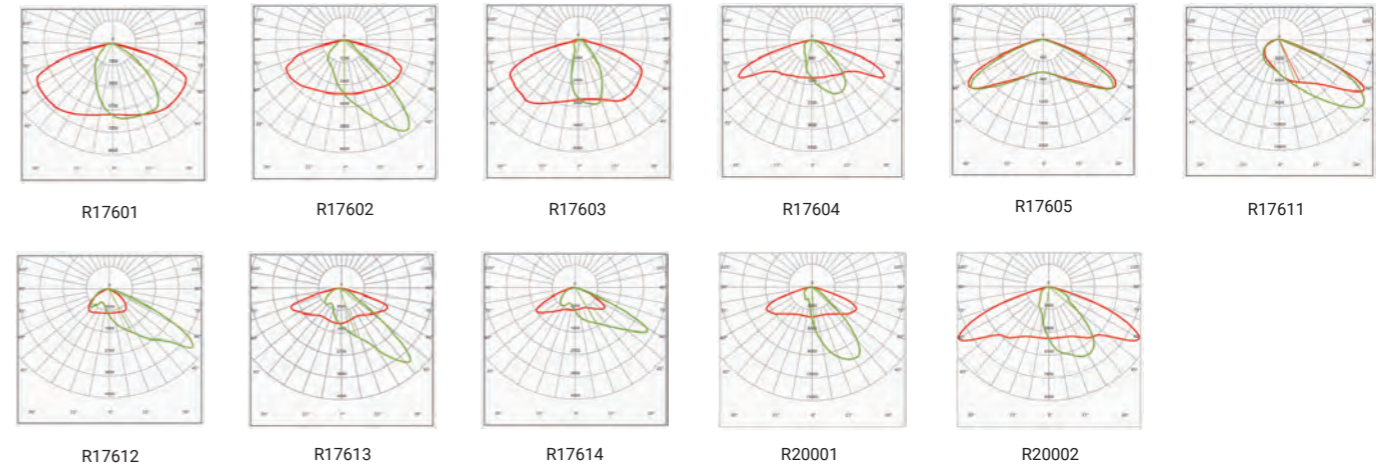
### Key Features

- The medium size is made from 30W to 90W
- Die-cast housing made by durable and recyclable material
- The streamlined cooling fins hold super heat dissipation
- Easy & fast to install or main, low labor costs
- Automatic power-off protection and surge protection

### Dimentions and Mount

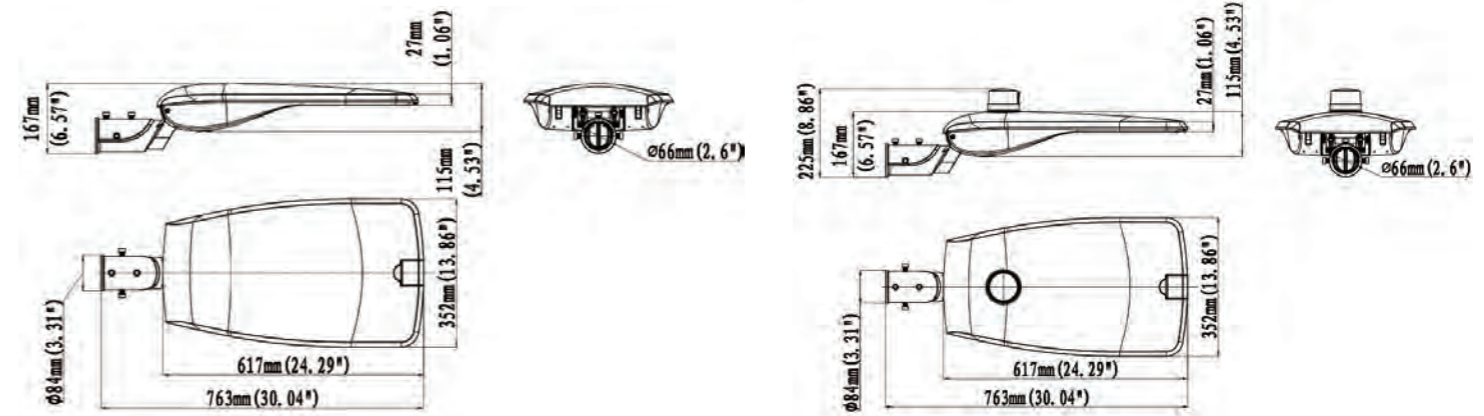| Product Dimension | 680x282x160mm (Side Entry ) | |
|---|---|---|
| Luminaire Net Weight | 6.5±0.3kg | 6.8±0.3kg |
| Export Carton Size | 700x350x145mm | |
| Gross Weight | 8.1±0.3kg | 8.5±0.3kg |
| Mounting Option | Pole Mounting | |
| | Wall Mounting | |
| Material | Aluminum Alloy | |
| | Tempered Glass+Polycarbonate Optical Lens | |
| Finish | Powder Coating | |
| Fixture Color | Grey (RAL9006) | |
| EPA | 2.48ft² | |
| IK Rating | IK08 | |
| IP Rating | IP66 | |

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 67000hrs-L90 |
| | 146000hrs-L80 |
| | 236000hrs-L70 |
| Warranty | 5 Years |

### Applications

- Countryside roads
- City roads, highway
- Residential areas
- Parking lot areas
- Plazas

### New Features

- Timer dimming is available ( for 30W-150W ).
- Timer Dimming with 7Pin NEMA Socket is optional.
- Direct DC 12/24V input for Solar System is available.
- Wireless Control Available.

*Please consult us for details.*

HiSmooth ST08

## Photometry
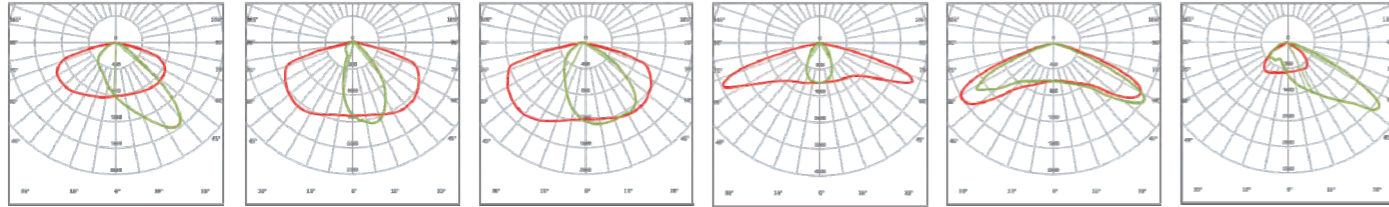
R09601   R09602   R09603   R09604   R09605   R09606

## Mounting Options

Side entry mounting   Post top mounting   Wall mounting   Corner mounting

A   B

±15° tilt adjustable

## Dimensions

160mm (6.3")
282mm (11.1")
680mm (26.77")
⌀66mm (2.6")

**Standard Version**

218mm (8.58")
282mm (11.1")
680mm (26.77")
⌀66mm (2.6")

**Photocell Version**

## Accessories

### Pole mount spigot
ADC12 materials, ±15° tilt adjustable, for dia.34/ 42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
Code: SP-R03-04(for dia.76mm)

### Wall mount adaptor
SPCC materials with outdoor powder coating.

Code: SP-R03-05

### T shape pole mount adaptor
Q235 with Akzo Powder Coating materials, for 100x100mm square pole.

Code: SP-R03-07

### T shape pole mount adaptor
SPCC materials, for dia.60/ 76mm pole

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)

### L shape pole mount adaptor
Q235 materials, for 100x100mm square pole.

Code: SP-R03-10

### L shape pole mount adaptor
SPCC materials, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)

### Corner mount adaptor
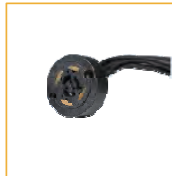SPCC materials with outdoor powder coating.

Code: SP-R19-02

### L shape pole mount adaptor
SPCC materials, for dia.60mm pole

Code: SP-R19-01(for dia.60mm)

### Photocell control
ON-OFF automatically according to day light.

Code: PS-A00-01

### Shorting cap
Cover NEMA socket when it is not used.

Code: NS-A00-01

### NEMA socket
3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

# Specifications - ST18 HiSmooth LED Street Light
## Small size

Version: 3.1

## Electrical Information

| Model No. | ST18-015 | ST18-020 | ST18-030 |
|---|---|---|---|
| Power Consumption(±5%) | 15W | 20W | 30W |
| Power Supply | SOSEN | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | |
| Power Factor | >0.92 | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | DALI Control/ Photocell | | |
| | Timer Control | | |

## Optic Information

| LED Type | LED 3030 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 1875lm | 2500lm | 3750lm |
| Efficacy(4000K Ra70) | 125lm/W | | |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | |
| Beam Angle | R05001,R05002, R05003 | | |
| UGR level | N/A | | |

## Description

HiSmooth LED streetlight is low-profile, durable and state-of-the-art fixture. Designed for roadway and parking lot area. The medium size is made to improve cost-effective for 30W-90W.

## Dimentions and Mount

| Product Dimension | 613×222×159 mm(Side Entry ) |
|---|---|
| Luminaire Net Weight | 4.1±0.3kg |
| Export Carton Size | 700x350x145mm |
| Gross Weight | 4.8 ± 0.3kg |
| Mounting Option | Pole Mounting |
| | Wall Mounting |
| Material | Aluminum Alloy |
| | Tempered Glass+Polycarbonate Optical Lens |
| Finish | Powder Coating |
| Fixture Color | Grey (RAL9006) |
| EPA | 1.33ft² |
| IK Rating | IK08 |
| IP Rating | IP66 |

## Key Features

· The small size is made from 15W to 30W
· Die-cast housing made by durable and recyclable material
· The streamlined cooling fins hold super heat dissipation
· Easy & fast to install or main, low labor costs
· Automatic power-off protection and surge protection

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 67000hrs-L90 |
| | 146000hrs-L80 |
| | 236000hrs-L70 |
| Warranty | 5 Years |

## Applications

· Countryside roads
· City roads, highway
· Residential areas
· Parking lot areas
· Plazas

## New Features

· Timer dimming is available ( for 15W-30W ).
· Timer Dimming with 7Pin NEMA Socket is optional.
· Direct DC 12/24V input for Solar System is available.
· ZHAGA must be connected with DALI driver+24V Auxiliary.

*\* Please consult us for details.*

## Photometry



R05001          R05002          R05003
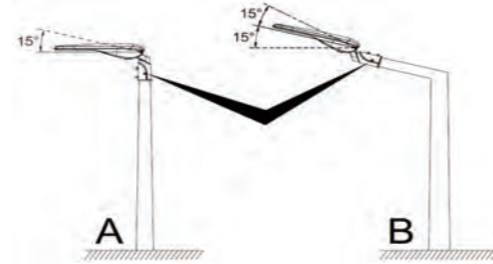
## Mounting Options



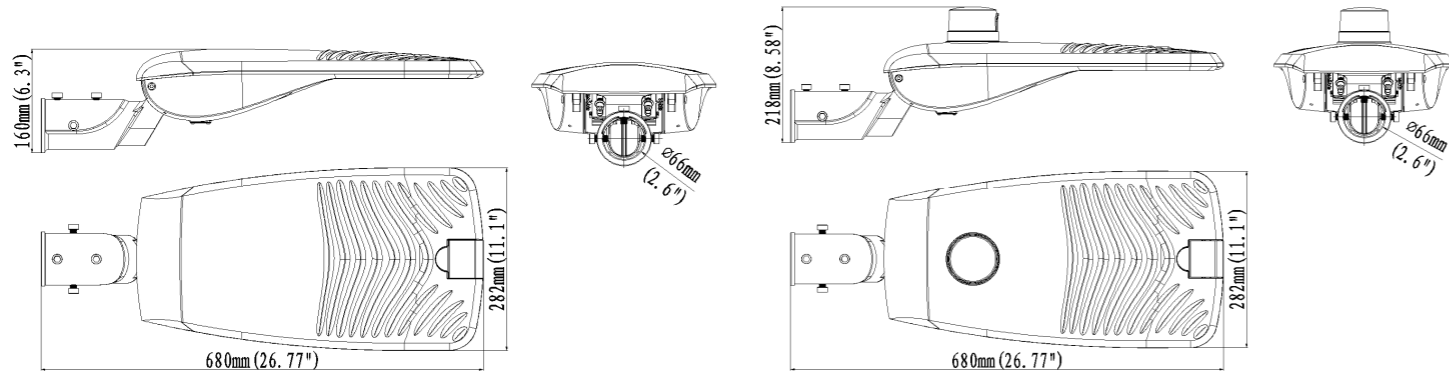Side entry mounting     Post top mounting     Wall mounting     Corner mounting

±15° tilt adjustable

## Dimensions



**Standard Version**          **Photocell Version**
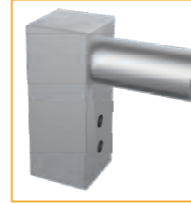
HiSmooth ST18

## Pole mount spigot

ADC12 materials, ±15° tilt adjustable, for dia.34/ 42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
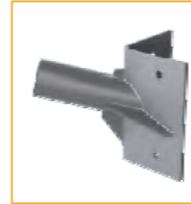Code: SP-R03-04(for dia.76mm)

## Wall mount adaptor

SPCC materials with outdoor powder coating.

Code: SP-R03-05

## T shape pole mount adaptor

Q235 with Akzo Powder Coating materials, for 100x100mm square pole.

Code: SP-R03-07

## T shape pole mount adaptor
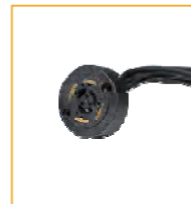
SPCC materials, for dia.60/ 76mm pole

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)

## L shape pole mount adaptor

Q235 materials, for 100x100mm square pole.

Code: SP-R03-10

## L shape pole mount adaptor

SPCC materials, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)

## Corner mount adaptor

SPCC materials with outdoor powder coating.

Code: SP-R19-02

## L shape pole mount adaptor

SPCC materials, for dia.60mm pole

Code: SP-R19-01(for dia.60mm)

## Photocell control

ON-OFF automatically according to day light.

Code: PS-A00-01

## Shorting cap

Cover NEMA socket when it is not used.

Code: NS-A00-01

## NEMA socket

3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

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# Specifications - ST10 HiSmooth X LED Street Light

Version: 3.1

## Electrical Information

| Model No. | ST10-030 | ST10-050 | ST10-070 | ST10-090 | ST10-120 | ST10-150 | ST10-180 | ST10-240 | ST10-300 |
|---|---|---|---|---|---|---|---|---|---|
| Power Consumption(±5%) | 30W | 50W | 70W | 90W | 120W | 150W | 180W | 240W | 300W |
| Power Supply | SOSEN | | | | | | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | | | | | | |
| Power Factor | >0.90 | | | ≥0.92 | | | >0.90 | | >0.92 |
| Surge Protection | 6kV line-line, 10kV line-earth | | | | | | | | |
| Driver Type | Constant Current (CC) | | | | | | | | |
| Control | DALI Control/ Photocell/ 1-10V dim/ PWM | | | | | | | | |
| | Timer Control/ Solar Optional | | | | | | | | |

## Optic Information

| LED Type | LED 3030 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 4200lm | 7000lm | 9800lm | 12600lm | 16800lm | 21000lm | 26100lm | 34800lm | 43500lm |
| Efficacy(4000K Ra70) | 140lm/W | | | | | | 145 lm/W | | |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) | | | | | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | | | | | |
| Beam Angle | R09601, R09602, R09603,R09604,R09605, R09606 | | | R17601, R17602, R17603, R17604, R17605, R17611, R17612, R17613, R17614, R20001, R20002 | | | R01601, R01602, R01603, R01604, R01605, R01606, R01607, R01609, R01610, R01611, R01613 | | |
| UGR level | N/A | | | | | | | | |

## Dimentions and Mount

| Product Dimension | 649×272×179mm (Side Entry) | | 762x336x179mm (Side Entry) | | 889×378×192mm (Side Entry) | |
|---|---|---|---|---|---|---|
| Luminaire Net Weight | 5.9±0.3kg | | 7.9±0.3kg | 8.1±0.3kg | 10±0.3kg | |
| Export Carton Size | 687×312×160mm | | 816×376×160mm | | 922×428×160mm | |
| Gross Weight | 6.9 ± 0.3kg | | 8.5± 0.3kg | 8.7± 0.3kg | 11.9± 0.3kg | |
| Mounting Option | Pole Mounting | | | | | |
| | Wall Mounting | | | | | |
| Material | Aluminum Alloy | | | | | |
| | Tempered Glass+Polycarbonate Optical Lens | | | | | |
| Finish | Powder Coating | | | | | |
| Fixture Color | Grey (RAL9006) | | | | | |
| EPA | 1.75ft² | | 2.18ft² | | 3.55ft² | |
| IK Rating | IK08 | | | | | |
| IP Rating | IP66 | | | | | |

## Lifespan and Warranty

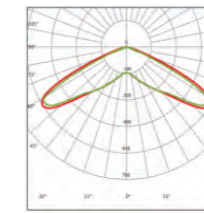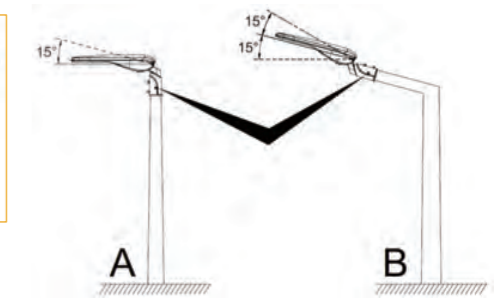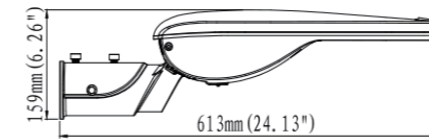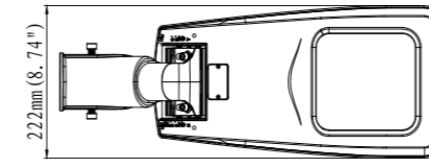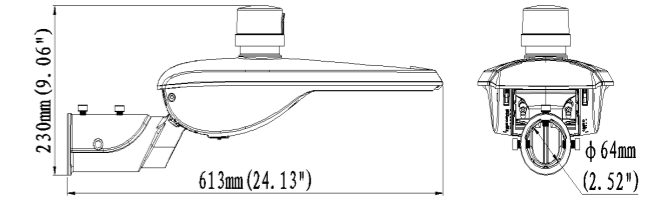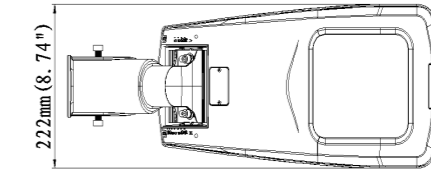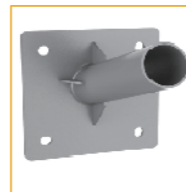| Operating Temperature | -30°C to + 50°C | |
|---|---|---|
| Life Time of LED @Ta=25°C | 49000hrs-L90 | 36000hrs-L90 |
| | 110000hrs-L80 | 83000hrs-L80 |
| | 180000hrs-L70 | 137000hrs-L70 |
| Warranty | 5 Years | |

## Description

HiSmooth-X from 30W to 300W premium street light with unique design for road lighting and parking lighting.

## Key Features

- Smart structure, separated by two parts.Just one person can open the top cover by 45deg to detach it.
- 140lm/W, IP66, IK08, 10KV
- Various professional optics for optional.
- Smart control: timer control dimming, photocell, DALI system.
- Adaptor: 34mm, 42mm, 60mm, 76mm pole mount adaptor square, L , corner and wall amount adaptor.
- External vent, avoided internal fogging and frosting.
- Bubble level, accurate the installation in one minute.
- ENEC, Class II are available.

## Applications

- Fast-speed, Medium-speed, and Low-speed roads
- Parking lot
- Outdoor sports ground
- Square centers

## New Features

- Timer dimming is available.
- DALI Solution is available.
- Customized special adaptor is available.
- Customized visor is available.
- Customized color is available, MOQ is 500 pcs.

*Please consult us for details.*

CE  CB  RoHS  SAA

ST10

## Photometry

**30W-70W beam angle**

| R09601 | R09602 | R09603 | R09604 | R09605 | R09606 |

**90W-150W beam angle**

| R17601 | R17602 | R17603 | R17604 | R17605 | R176011 | R17612 | R17613 | R17614 | R20001 | R20002 |

**180W-300W beam angle**

| R01601 | R01602 | R01603 | R01604 | R01605 | R01606 | R01607 | R01609 | R01610 | R01611 | R01613 |

## Mounting Options

Side entry mounting  Post top mounting  Wall mounting  Corner mounting

A  B

## Dimensions

272(10.71")
649(25.55")
179(7.05")
Ø64 (2.52")

**30W/50W/70W**

242(9.53")
649(25.55")
Ø64 (2.52")

**30W/50W/70W with Photocell**

336(13.23")
762(30")
179(7.05")
Ø64 (2.52")

336(13.23")
762(30")
239(9.41")
Ø64 (2.52")

## Accessories

**Pole mount spigot**
ADC12 materials, ±15° tilt adjustable, for dia.34/ 42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
Code: SP-R03-04(for dia.76mm)

**Wall mount adaptor**
Q235+SPCC materials with outdoor powder coating.
Code: SP-R03-05

**T shape pole mount adaptor**
Q235+SPCC with Akzo Powder Coating materials, for 100x100mm square pole.
Code: SP-R03-07

**T shape pole mount adaptor**
Q235 materials, for dia.60/ 76mm pole
Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)
Code: SP-R03-08a(for dia.90mm)

**L shape pole mount adaptor**
Q235 materials, for 100x100mm square pole.
Code: SP-R03-10

**L shape pole mount adaptor**
Q235 materials, for dia.90mm pole
Code: SP-R03-09(for dia.90mm)
Code: SP-R03-09a(for dia.76mm)
Code: SP-R19-01(for dia.60mm)

**Corner mount adaptor**
SPCC materials with outdoor powder coating.
Code: SP-R19-02

**Post top Mount adaptor**
Q235 materials, 76mm to 60mm Adaptor
Code: SP-R03-16(for dia 76mm pole)

**Triple adaptor**
Q235 materials, with outdoor powder coating ,90° 3 ways
Code: SP-R03-14( for dia. 90mm)

**Quad adaptor**
Q235 materials with outdoor powder coating, 90° 4 ways
Code: SP-R03-15( for dia.90mm)

**Twin adaptor**
Q235 materials , 90° 2 ways
Code: SP-R03-13(for dia 90mm pole)

**NEMA socket**
3pin/ 5pin /7pin are optional.
Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

**Photocell control**
ON-OFF automatically according to day light.
Code: PS-A00-01

**Shorting cap**
Cover NEMA socket when it is not used.
Code: NS-A00-01

ST10

# Specifications - ST10 HiSmooth X LED Street Light

☐ **Class II**

Version: 3.1

## Electrical Information

| Model No. | ST10-030 | ST10-050 | ST10-070 | ST10-090 | ST10-120 | ST10-150 |
|---|---|---|---|---|---|---|
| Power Consumption(±5%) | 30W | 50W | 70W | 90W | 120W | 150W |
| Power Supply | PHILIPS | | | | | |
| Input Voltage | 220-240 VAC, 50 / 60 Hz | | | | | |
| Power Factor | >0.90 | | | ≥0.92 | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | | | |
| Driver Type | Constant Current (CC) | | | | | |
| Control | DALI Control/ Photocell | | | | | |
| | Timer Control | | | | | |

## Optic Information

| LED Type | LED 3030 | | | | | |
|---|---|---|---|---|---|---|
| Luminous Flux (±10%) | 4200lm | 7000lm | 9800lm | 12600lm | 16800lm | 21000lm |
| Efficacy(4000K Ra70) | 140lm/W | | | | | |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) | | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | | |
| Beam Angle | R09601, R09602, R09603,R09604,R09605, R09606 | | | R17601, R17602, R17603, R17604, R17605, R17611, R17612, R17613, R17614, R20001, R20002 | | |
| UGR level | N/A | | | | | |

## Dimentions and Mount

| Product Dimension | 649×272×179mm (Side Entry) | 762x336x179mm (Side Entry) | |
|---|---|---|---|
| Luminaire Net Weight | 5.9±0.3kg | 7.9±0.3kg | 8.1±0.3kg |
| Export Carton Size | 687×312×160mm | 816×376×160mm | |
| Gross Weight | 6.9 ± 0.3kg | 8.5± 0.3kg | 8.7± 0.3kg |
| Mounting Option | Pole Mounting | | |
| | Wall Mounting | | |
| Material | Aluminum Alloy | | |
| | Tempered Glass+Polycarbonate Optical Lens | | |
| Finish | Powder Coating | | |
| Fixture Color | Grey (RAL9006) | | |
| EPA | 1.75ft² | 2.18ft² | |
| IK Rating | IK08 | | |
| IP Rating | IP66 | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 49000hrs-L90 |
| | 110000hrs-L80 |
| | 180000hrs-L70 |
| Warranty | 5 Years |

## Description

HiSmooth-X class II solution offer wattage from 30W to 150W with unique design for road lighting and parking lighting.

## Key Features

- Smart structure, separated by two parts.Just one person can open the top cover by 45deg to detach it.
- 140lm/W, IP66, IK08, 10KV
- Various professional optics for optional.
- Smart control: timer control dimming, photocell, DALI system.
- Adaptor: 34mm, 42mm, 60mm, 76mm pole mount adaptor square, L , corner and wall amount adaptor.
- External vent, avoided internal fogging and frosting.
- Bubble level, accurate the installation in one minute.
- ENEC, Class II are available.

## Applications

- Fast-speed, Medium-speed, and Low-speed roads
- Parking lot
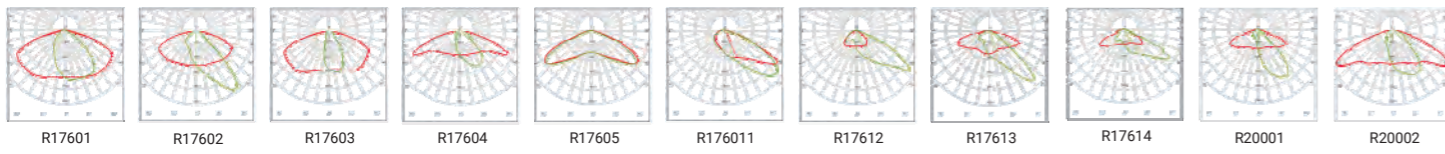- Outdoor sports ground
- Square centers

## New Features

- Timer dimming is available.
- DALI Solution is available.
- Customized special adaptor is available.
- Customized visor is available.
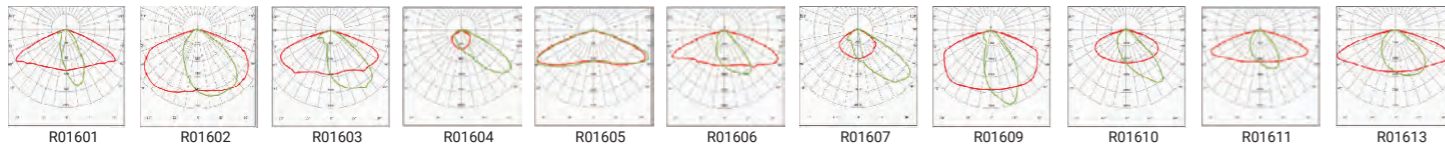- Customized color is available, MOQ is 500 pcs.
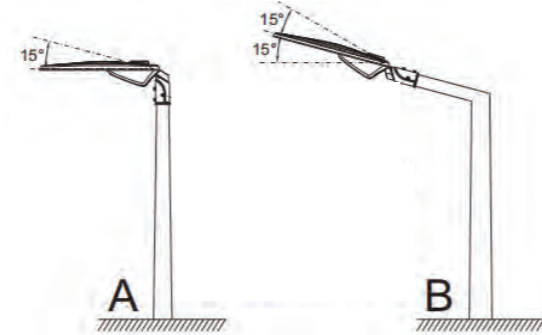
*Please consult us for details.*

CE  CB  RoHS  SAA

## Photometry

### 30W-70W beam angle



R09601   R09602   R09603   R09604   R09605   R09606

### 90W-150W beam angle



R17601   R17602   R17603   R17604   R17605   R176011   R17612   R17613   R17614



R20001   R20002

## Mounting Options



Side entry mounting   Post top mounting   Wall mounting   Corner mounting

A   B

## Dimensions



272(10.71")  649(25.55")  179(7.05")  Ø64 (2.52")

**30W/50W/70W**

272(10.71")  649(25.55")  242(9.53")  Ø64 (2.52")

**30W/50W/70W with Photocell**

336(13.23")  762(30")  179(7.05")  Ø64 (2.52")

**90W/120W/150W**

336(13.23")  762(30")  239(9.41")  Ø64 (2.52")

**90W/120W/150W with Photocell**

ST10

## Accessories

**Pole mount spigot**
ADC12 materials, ±15° tilt adjustable, for dia.34/ 42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
Code: SP-R03-04(for dia.76mm)

**Wall mount adaptor**
Q235+SPCC materials with outdoor powder coating.
Code: SP-R03-05

**T shape pole mount adaptor**
Q235+SPCC with Akzo Powder Coating materials, for 100x100mm square pole.
Code: SP-R03-07

**T shape pole mount adaptor**
Q235 materials, for dia.60/ 76mm pole
Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)
Code: SP-R03-08a(for dia.90mm)

**L shape pole mount adaptor**
Q235+SPCC materials, for 100x100mm square pole.
Code: SP-R03-10

**L shape pole mount adaptor**
Q235 materials, for dia.90mm pole
Code: SP-R03-09(for dia.90mm)
Code: SP-R03-09a(for dia.76mm)
Code: SP-R19-01(for dia.60mm)

**Corner mount adaptor**
SPCC materials with outdoor powder coating.
Code: SP-R19-02

**Post top Mount adaptor**
Q235 materials , 76mm to 60mm Adaptor
Code: SP-R03-16(for dia 76mm pole)

**Triple adaptor**
Q235 materials, with outdoor powder coating ,90° 3 ways
Code: SP-R03-14( for dia. 90mm)

**Quad adaptor**
Q235 materials with outdoor powder coating, 90° 4 ways
Code: SP-R03-15( for dia.90mm)

**Twin adaptor**
Q235 materials , 90° 2 ways
Code: SP-R03-13(for dia 90mm pole)

**NEMA socket**
3pin/ 5pin /7pin are optional.
Code: NS-A00-02(for 3pin)
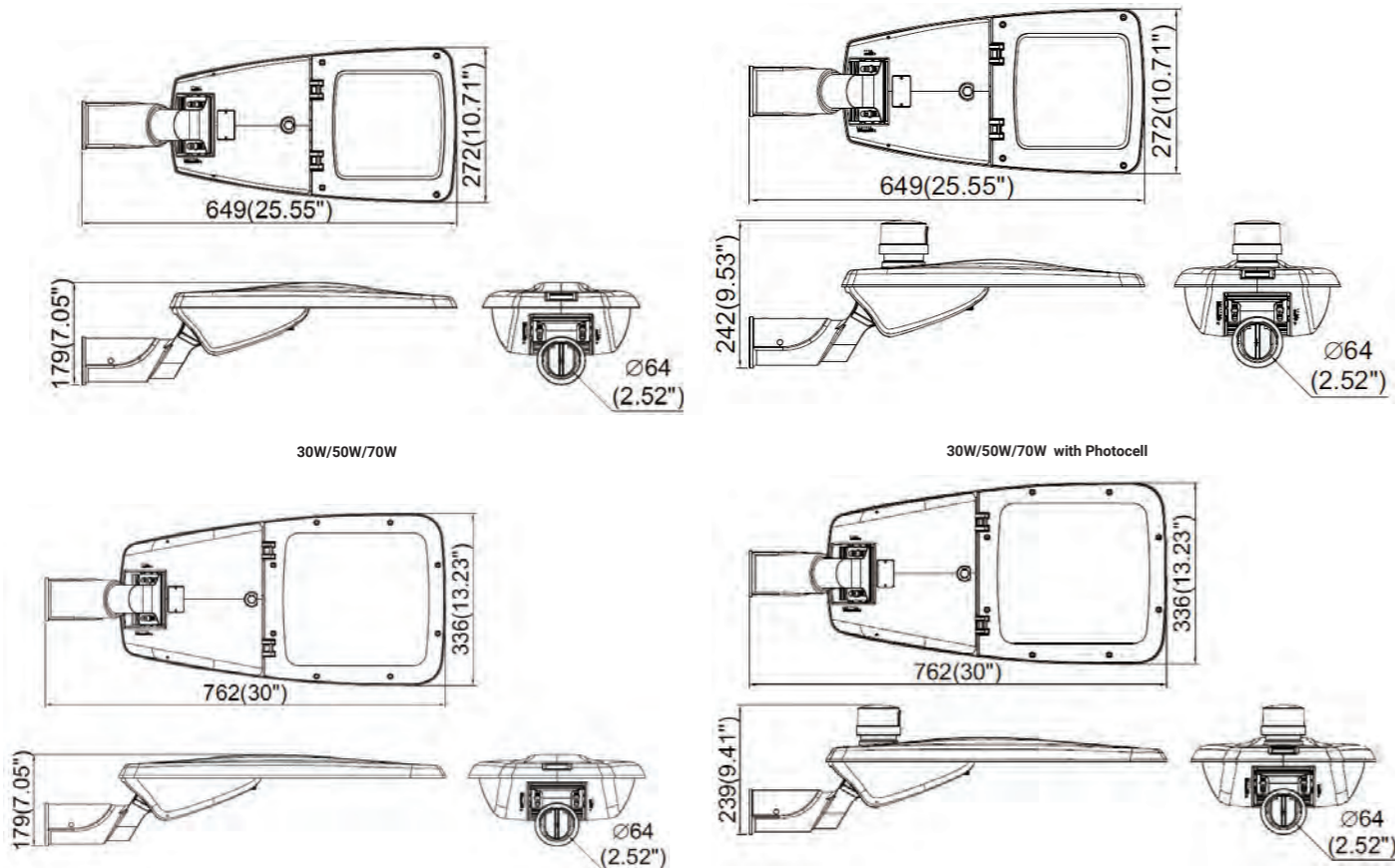Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

**Photocell control**
ON-OFF automatically according to day light.
Code: PS-A00-01

**Shorting cap**
Cover NEMA socket when it is not used.
Code: NS-A00-01

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# Specifications - ST11 HiPole X LED Area Light

**Version: 3.0**



CB  CE  SAA  RoHS

### Electrical Information

| Model No. | ST11-180 | ST11-240 | ST11-300 | ST11-450 | ST11-600 |
|---|---|---|---|---|---|
| Power Consumption(±5%) | 180W | 240W | 300W | 450W | 600W |
| Power Supply | Sosen, Meanwell (Only 600W 277-480V) | | | | |
| Input Voltage | 100-240VAC, 50 / 60 Hz | | | | |
| Power Factor | >0.93 | | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | | |
| Driver Type | Constant Current (CC) | | | | |
| Control | Non dimmable | | | | |
| | 1-10V Dimmable / Photocell | | | | |

### Optic Information

| Optic Information | | | | | |
|---|---|---|---|---|---|
| LED Type | LED 5050 | | | | |
| Luminous Flux (±10%) | 26100lm | 34800lm | 43500lm | 65250lm | 87000lm |
| Efficacy(5000K Ra70) | 145lm/W | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | |
| Color Rendering Index | Ra70 | | | | |
| Beam Angle | R10502, R10503, R105034, R10505, R10506, R10507, R10509 | | | | |
| UGR level | N/A | | | | |

### Dimentions and Mount

| Dimentions and Mount | | | | | |
|---|---|---|---|---|---|
| Product Dimension（housing only） | 571×322×94mm | | | 621x601x104mm | |
| Luminaire Net Weight （housing only） | 7.8±0.3  kg | 8.4±0.3 kg | | 16.5±0.3 kg | 18.0±0.3 kg |
| Export Carton Size | 835×327×135mm | | | 700×676×195mm | |
| Gross Weight （housing only） | 10.5±0.3  kg | 11.1±0.3  kg | | 22±0.3  kg | 23.5±0.3  kg |
| Mounting Option | Slipfitter Mount | | | | |
| | Arm/pole Mount | | | | |
| | Wall Mount | | | | |
| Material | Aluminum Alloy | | | | |
| | Polycarbonate Optical Lens | | | | |
| Finish | Powder Coating | | | | |
| Fixture Color | Bronze /Black | | | | |
| EPA | 3.47ft² | | | | |
| IK Rating | IK08 | | | | |
| IP Rating | IP66 | | | | |

### Lifespan and Warranty

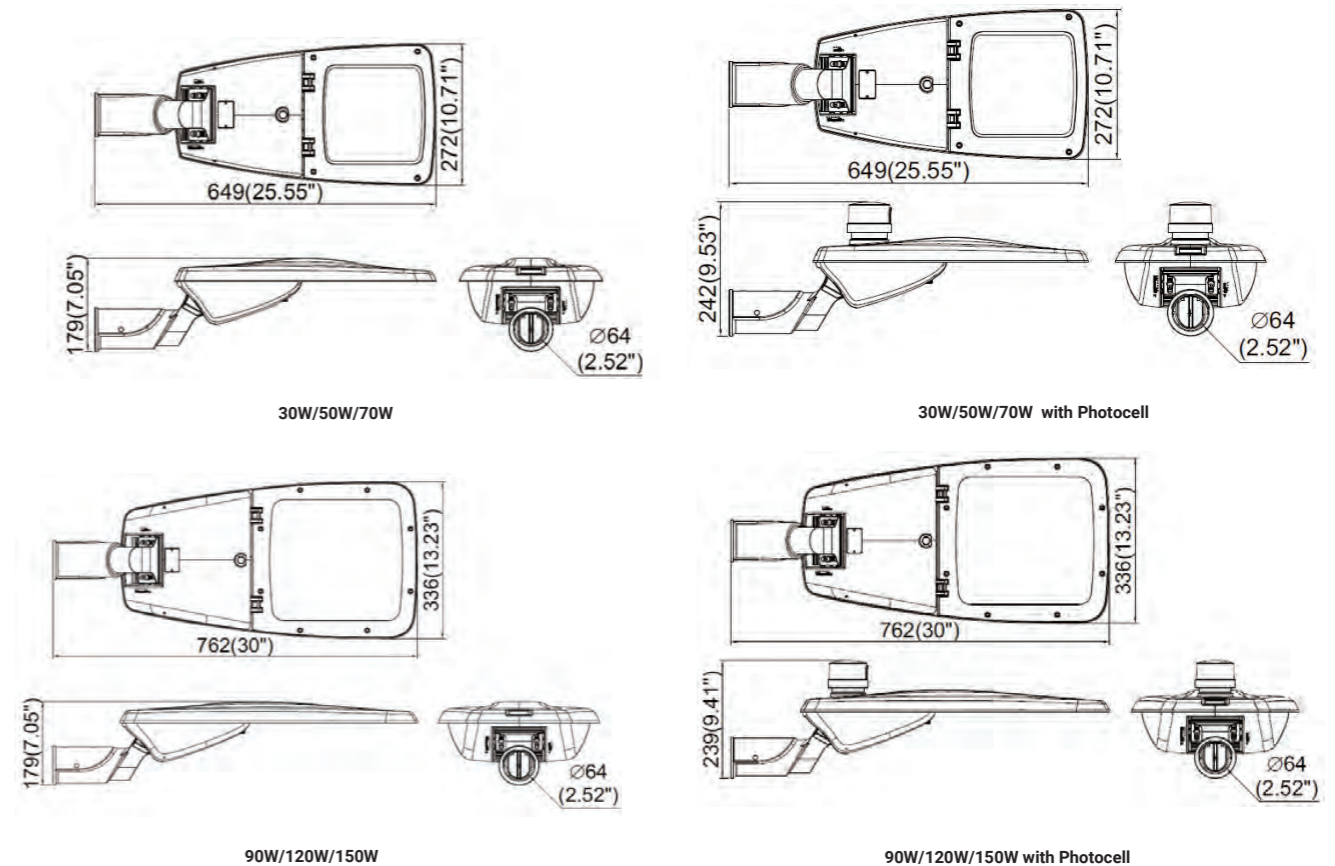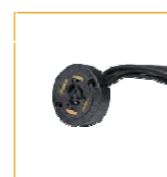| Lifespan and Warranty | |
|---|---|
| Operating Temperature | -30°C to + 50°C |
| Life Time of LED @Ta=25°C | 49000hrs-L90 |
| | 110000hrs-L80 |
| | 180000hrs-L70 |
| Warranty | 5 Years |

## Description

Slim designed HiPole X is an excellent choice for new construction or retrofit application. The High output LED and glass lens provide outstanding uniformity and efficiency.  Multiple asymmetric beam angle makes it flexiable for different projects' requirement. It can replace existing HID/HPS/MW fixtures up to 1000W.

## Key Features

· High output lumen efficiency, up to 145lm/W.
· The housing is made of 100% aluminum alloy and utilizes external airflow fins to get better heat dissipation
· More than 6 varity of beam angles to fit different  applications, including Type II, III, IV, V.
· Multiple mouting options: round or sauqre pole mount,  U bracket mount as flood light.
· Electrophoresis and powder coating with strong  anti-corrosion.
· Two sizes optional for 180W-600W.
· Provided with 10KV Surge Protection Devices.

## Applications

· Parking lots
· Outdoor sports
· Square
· Stadium
· For recreational sports (tennis courts, basketball courts…)
· For Billboard lighting (Tall-type billboard, wide-type billboard)
· Exhibition Center
· Soccer field
· Grain and Sugar Production

* Lumen ouput and light distribution are only for reference. Not all product variations listed on this page are DLC Standard/Premium qualified. Visit www.designlights.org/search to confirm qualification.

## New Features

*Please consult us for details.*

ST11

## Photometry



R10502  R10503  R10504  R10505  R10506  R10507  R10509

## Mounting Options



Post top mounting   Side Entry mounting   Wall mounting   Staight arm mounting   Slipfitter mounting

## Dimensions



703mm (27.68")   32mm (12.68")   143mm (5.63")

**Straight Arm Mount 180W/240W/300W**

752mm (29.61")   601mm (23.66")

**Straight Arm Mount 450W 600W**   149mm (5.87")

685mm (26.97")   362mm (14.25")

**Wall Mount 180W/240W/300W**   94mm (3.7")

740mm (29.13")   638mm (25.91")

**Wall Mount 450W/600W**

Ø20mm (0.79")   12mm (0.47")   150mm (5.9")   220mm (8.66")   194mm (4.09")

Ø20mm (0.79")   240mm (10.24")   200mm (7.87")   12mm (0.47")   420mm (16.54")   490mm (19.9")

322mm (12.68")   194mm (7.64")   Ø63mm (2.48")

**Slipfitter Mount 180W/240W/300W**   738mm (29.05")

601mm (23.66")   200mm (7.87")   Ø63mm (2.48")

**Slipfitter Mount 450W/600W**   787mm (30.98")

## Accessories



**PC Optic Lens**
Refer to the Photometry

**Slip Fitter mount adaptor**
SPCC materials, for dia.60/ 76mm pole

Code: SP-R05-02

**Pole mount adaptor**
SPCC materials, for dia.60/ 76mm pole

Code: SP-R11-03

**Pole mount adaptor**
SPCC materials, for dia.60/ 76mm pole

Code: SP-R11-04

**Wall mount adaptor**
SPCC materials with outdoor powder coating.

Code: SP-R11-05a (for 180W,240W and 300W)
Code: SP-R11-05b (for 450W,600W )

**Straight Arm mount adaptor**
Q235 with Akzo Powder Coating materials,
for 100x100mm square pole.

Code: SP-R05-03

**NEMA socket**
3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

**Photocell control**
ON-OFF automatically according to day
light.

Code: PS-A00-01

**Shorting cap**
Cover NEMA socket when it is not used.

Code: NS-A00-01

**House-side Shield**
PC Material for back light control .

Code: SPR11-06

ST11

# Specifications - ST23 LED Street Light

Version: 3.1

## Electrical Information

| Model No. | ST23-060 | ST23-090 | ST23-120 | ST23-150 |
|---|---|---|---|---|
| Power Consumption(±5%) | 60W | 90W | 120W | 150W |
| Power Supply | SOSEN | | | |
| Input Voltage | 220-240 VAC, 50 / 60 Hz | | | |
| Power Factor | >0.90 | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | 1-10V Dimmable / Photocell | | | |
| | Timer Control | | | |

## Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 8100lm | 12600lm | 16800lm | 21000lm |
| Efficacy(4000K Ra70) | 135lm/W | | | |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | R01201, R01203, R01204, R01205, R01207, R01208 | | | |
| UGR level | N/A | | | |

## Description

Slim designed is an excellent choice for new construction or retrofit application. The High output LED and PC lens provide outstanding uniformity and efficiency, 60W-150W makes the power as a whole series.

## Key Features

· Super smooth design, one size for 60w, 90w, 120w, 150w.
· High output lumen efficiency, up to 140lm/W.
· Strong anti-corrosion performance,
  E- painting + Powder coating  process.
· Built in Motion Sensor is optional!
· High quality ensured by various kinds of reliability tests
· kinds of asymmetrical optical controls provide professional light
  distribution.
· IP66, 10KV SPD. Class I, Class II optional.
· Multiple installation way: Side entry, post top and Suspension.
· φ60mm & φ76mm spigot are available.

## Dimentions and Mount

| Product Dimension | Reference  figure |
|---|---|
| Luminaire Net Weight | 7.8±0.3kg (Post top) |
| | 7.4±0.3kg (Suspention) |
| Export Carton Size | 585*530*175mm |
| Gross Weight | 9.6±0.3kg (Post top) |
| | 9.1±0.3kg (Suspention) |
| Mounting Option | Post top / Side Entry |
| | Suspension |
| Material | Aluminum Alloy |
| | Tempered Glass+Polycarbonate Optical Lens |
| Finish | Powder Coating |
| Fixture Color | Silver Black |
| EPA | 1.52ft² |
| IK Rating | IK08 |
| IP Rating | IP66 |

## Lifespan and Warranty

| Operating Temperature | -30°C to +40°C |
|---|---|
| Life Time of LED @Ta=25°C | 46000hrs-L90 |
| | 96400hrs-L80 |
| | 153500hrs-L70 |
| Warranty | 5 Years |
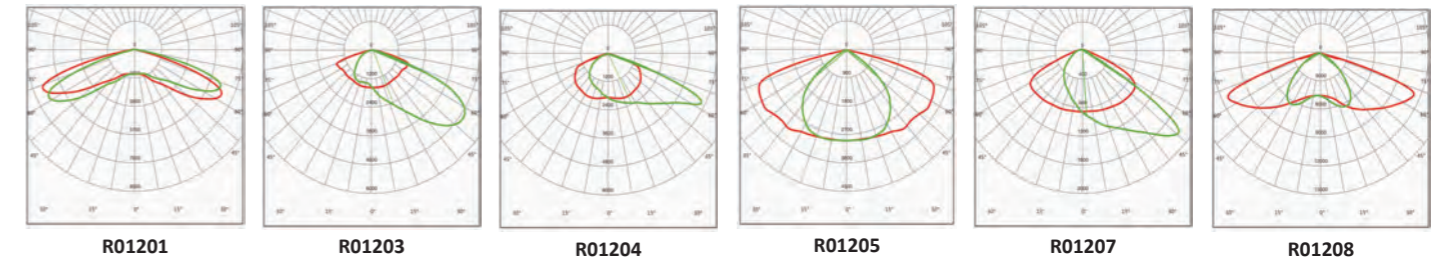
## Applications

• walkway and narrow road
• urban roadway lighting
• Park lighting
• Outdoor area lighting

## New Features

*Please consult us for details.*

## Photometry



R01201    R01203    R01204    R01205    R01207    R01208

## Mounting Options



Side entry mounting    Post top mounting    Suspension Mounting

## Dimensions



**Post Top Mount**    **Side Enty Mount**    **Suspention Mount**

CE CB RoHS

ST23
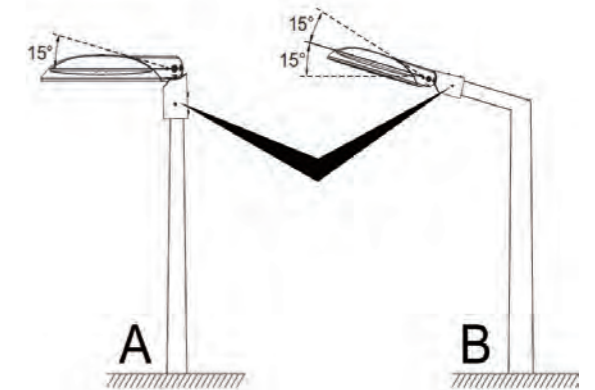
### Pole mount spigot
ADC12 materials, ±15° tilt adjustable, for dia.60 and 76mm pole.
Code: SP-R23-01(for dia.60mm)
Code: SP-R23-02(for dia.76mm)

### Suspension Bracket
SPCC materials with outdoor powder coating.

Code: BC-R23-01

### T shape pole mount adaptor
Q235 with Akzo Powder Coating materials, for 100x100mm square pole.

Code: SP-R03-07

### T shape pole mount adaptor
SPCC materials, for dia.60/ 76mm pole

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)

### L shape pole mount adaptor
Q235 materials, for 100x100mm square pole.

Code: SP-R03-10

### L shape pole mount adaptor
Q235 materials, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)
Code: SP-R03-09a(for dia.76mm)
Code: SP-R19-01(for dia.60mm)

### Corner mount adaptor
SPCC materials with outdoor powder coating.

Code: SP-R19-02
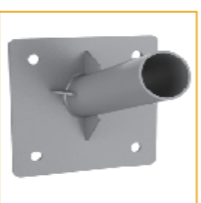
### Wall mount adaptor
SPCC materials with outdoor powder coating.

Code: SP-R03-05

### Quad adaptor
Q235 materials with outdoor powder coating, 90° 4 ways

Code: SP-R03-15( for dia.90mm)

### Photocell control
ON-OFF automatically according to day light.
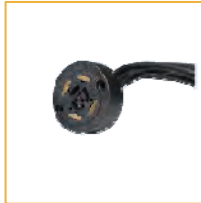
Code: PS-A00-01

### NEMA socket
3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

### Shorting cap
Cover NEMA socket when it is not used.

Code: NS-A00-01

### Triple adaptor
Q235 materials, with outdoor powder coating ,90° 3 ways

Code: SP-R03-14( for dia. 90mm)

### Twin adaptor
Q235 materials , 90° 2 ways

Code: SP-R03-13(for dia 90mm pole)

## Specifications - ST33 Unico LED Street Light

**Version: 3.1**

### Electrical Information

| | |
|---|---|
| Model No. | Pls refer to Product Code List for details |
| Power Consumption | |
| Input Voltage | AC 220-240V, AC100-240 VAC, 50 / 60 Hz |
| Power Factor | >0.90 |
| Insulation Type | Class I or Class II |
| Driver Type | Constant Current (CC) |
| Control | Dimmable / Photocell/ DALI Dimmable/ZHAGA |

### Optic Information

| | |
|---|---|
| LED Type | LED 3030 |
| Efficacy (4000K RA70) | 140lm/W, 160lm/W |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) |
| Color Rendering Index | Ra70 (Ra80 optional) |
| Beam Angle | R01601, R01602, R01603, R01604, R01605, R01606, R01609, R01610, R01611, R01613 |
| UGR level | N/A |

### Description

Slim designed is an excellent choice for new construction or retrofit application. The High output LED and 30W-200W makes the power as a whole series.

### Dimentions and Mount

| Product Dimension | Pls refer to Product Code List for details | | |
|---|---|---|---|
| Luminaire Net Weight | 5.9±0.3kg | 7.1±0.3kg | 8.5±0.3kg |
| Export Carton Size | 615*350*225mm | 680*350*225mm | 770*390*240mm |
| Gross Weight | 7.0±0.3kg | 8.4±0.3kg | 10.1±0.3kg |
| Mounting Option | Post top Mounting | | |
| | Side entry Mounting | | |
| Material | Aluminum Alloy | | |
| | Tempered Glass+Polycarbonate Optical Lens | | |
| Finish | Akzo Powder Coating | | |
| Fixture Color | Silvery black RAL9005 | | |
| EPA | 1.6ft² | 2.0ft² | 2.6ft² |
| IK Rating | IK09 | | |
| IP Rating | IP66 | | |

### Key Features

- Easier Installation
- ±20 title angle
- Faster maintenance
- Moduler Optic Lens, Compatible with SMD3030 /SMD3535 /SMD5050
- System Efficiency 140lm/w and 160lm/W,
- Insulation type class I or class II optional,

### Lifespan and Warranty

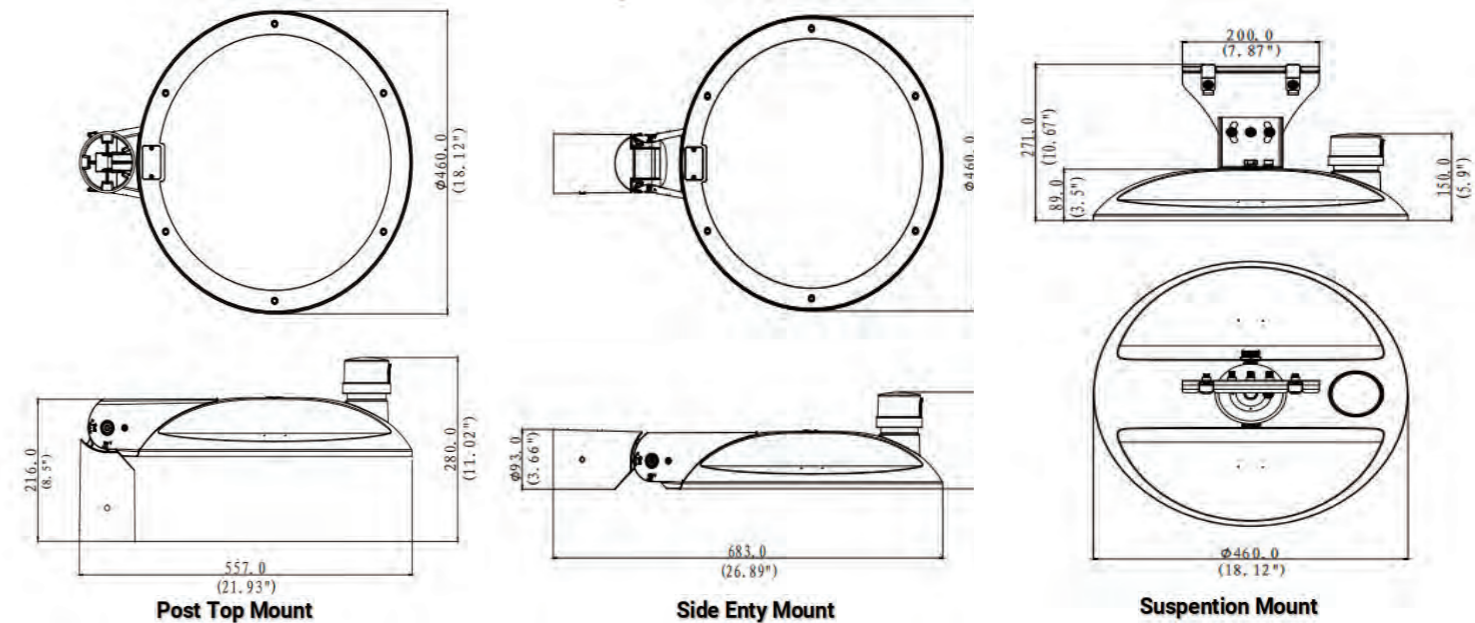| | |
|---|---|
| Operating Temperature | -30°C to + 50°C |
| Life Time of LED @Ta=25°C | 40000hrs-L90 |
| | 82000hrs-L80 |
| | 131000hrs-L70 |
| Warranty | 5 Years |

### Applications

- Parking lots
- Traffic routes
- Residential areas
- Plazas, parking lot areas

### New Features

*\* Please consult us for details.*

CE CB RoHS SAA

### Photometry



R01601  R01602  R01603  R01604  R01605  R01606  R01609

R01610  R01611  R01613

ST33

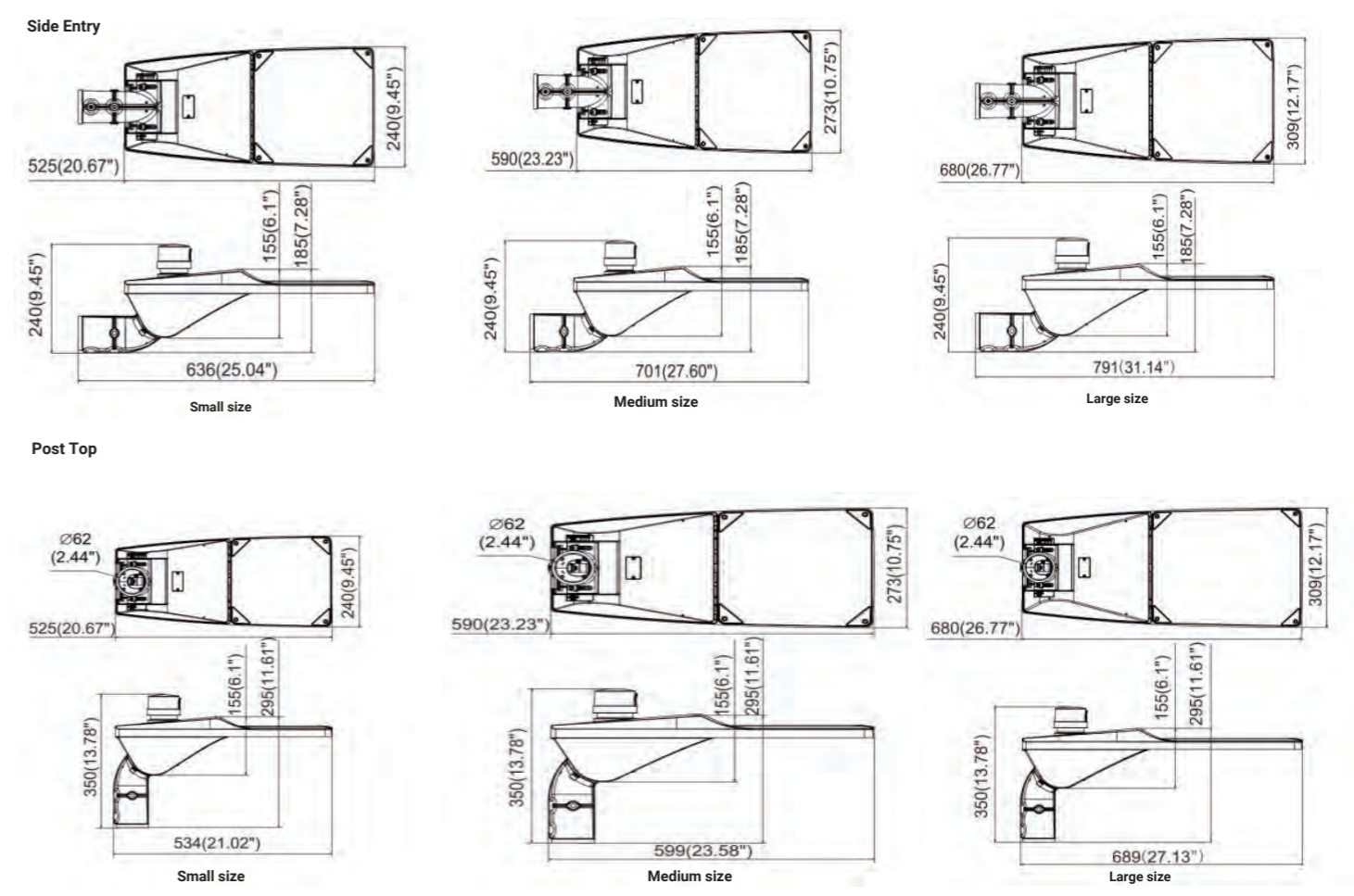| Product code | Min.Power | Typ.Power | Max.Power | Size | Input voltage | Isulation Type | Control Mode | Driver | Surge protection | Efficacy (4000K Ra70±10%) |
|---|---|---|---|---|---|---|---|---|---|---|
| ST33-035 | 15W | 30W | 35W | Small size | AC100-240V, 50-60HZ | class I | Nodim and 1-10V dim | MOSO | 4kV L-L, 6kV L-G | 140lm/W |
| ST33-060 | 40W | 50W | 60W | | | | | | | |
| ST33-080 | 65W | 70W | 80W | | | | | | 5kV L-L,10kV L-G | |
| ST33-095 | 85W | 90W | 95W | | | | | | | |
| ST33-120 | 100W | 120W | 120W | Medium size | | | | | | |
| ST33-160 | 125W | 150W | 160W | | | | | | | |
| ST33-195 | 165W | 180W | 195W | Large size | | | | | | |
| ST33-210 | 200W | 200W | 210W | | | | | | | |
| ST33-060 | 50W | 50W | 60W | Small size | AC220-240V, 50-60HZ | class I | Nodim | PHILIPS | 6kV L-L,10kV L-G | 140lm/W |
| ST33-080 | 65W | 70W | 80W | | | | | | | |
| ST33-095 | 85W | 90W | 95W | | | | | | | |
| ST33-120 | 100W | 120W | 120W | Medium size | | | | | | |
| ST33-160 | 125W | 150W | 160W | | | | | | | |
| ST33-195 | 165W | 180W | 195W | Large size | | | | | | |
| ST33-210 | 200W | 200W | 210W | | | | | | | |
| ST33-035/D | 15W | 30W | 35W | Small size | AC220-240V, 50-60HZ | class I | DALI DIM | PHILIPS | 6kV L-L,10kV L-G | 140lm/W |
| ST33-060/D | 40W | 50W | 60W | | | | | | | |
| ST33-080/D | 65W | 70W | 80W | | | | | | | |
| ST33-095/D | 85W | 90W | 95W | | | | | | | |
| ST33-120/D | 100W | 120W | 120W | Medium size | | | | | | |
| ST33-160/D | 125W | 150W | 160W | | | | | | | |
| ST33-195/D | 165W | 180W | 195W | Large size | | | | TRIDONICS | | |
| ST33-210/D | 200W | 200W | 210W | | | | | | | |
| ST33-035/IID | 15W | 30W | 35W | Small size | AC220-240V, 50-60HZ | class II | DALI DIM | PHILIPS | 6kV L-L,10kV L-G | 140lm/W |
| ST33-060/IID | 40W | 50W | 60W | | | | | | | |
| ST33-080/IID | 65W | 70W | 80W | | | | | | | |
| ST33-095/IID | 85W | 90W | 95W | | | | | | | |
| ST33-120/IID | 100W | 120W | 120W | Medium size | | | | | | |
| ST33-160/IID | 125W | 150W | 160W | | | | | | | |
| ST33-195/IID | 165W | 180W | 195W | Large size | | | | TRIDONICS | | |
| ST33-210/IID | 200W | 200W | 210W | | | | | | | |
| ST33-035/H | 15W | 30W | 35W | Small size | AC100-240V, 50-60HZ | class I | Nodim and 1-10V dim | MOSO | 4kV L-L, 6kV L-G | 160lm/W |
| ST33-060/H | 40W | 50W | 60W | | | | | | | |
| ST33-080/H | 65W | 70W | 80W | | | | | | | |
| ST33-095/H | 85W | 90W | 95W | | | | | | | |
| ST33-120/H | 100W | 120W | 120W | Medium size | | | | | 5kV L-L,10kV L-G | |
| ST33-160/H | 125W | 150W | 160W | | | | | | | |
| ST33-195/H | 165W | 180W | 195W | Large size | | | | | | |
| ST33-210/H | 200W | 200W | 210W | | | | | | | |
| ST33-060/H | 40W | 50W | 60W | Small size | AC220-240V, 50-60HZ | class I | Nodim | PHILIPS | 6kV L-L,10kV L-G | 160lm/W |
| ST33-080/H | 65W | 70W | 80W | | | | | | | |
| ST33-095/H | 85W | 90W | 95W | | | | | | | |
| ST33-120/H | 100W | 120W | 120W | Medium size | | | | | | |
| ST33-160/H | 125W | 150W | 160W | | | | | | | |
| ST33-195/H | 165W | 180W | 195W | Large size | | | | | | |
| ST33-210/H | 200W | 200W | 210W | | | | | | | |
| ST33-035/DH | 15W | 30W | 35W | Small size | AC220-240V, 50-60HZ | class I | DALI DIM | PHILIPS | 6kV L-L,10kV L-G | 160lm/W |
| ST33-060/DH | 40W | 50W | 60W | | | | | | | |
| ST33-080/DH | 65W | 70W | 80W | | | | | | | |
| ST33-095/DH | 85W | 90W | 95W | | | | | | | |
| ST33-120/DH | 100W | 120W | 120W | Medium size | | | | | | |
| ST33-160/DH | 125W | 150W | 160W | | | | | | | |
| ST33-195/DH | 165W | 180W | 195W | Large size | | | | TRIDONICS | | |
| ST33-210/DH | 200W | 200W | 210W | | | | | | | |
| ST33-035/IIDH | 15W | 30W | 35W | Small size | AC220-240V, 50-60HZ | class II | DALI DIM | PHILIPS | 6kV L-L,10kV L-G | 160lm/W |
| ST33-060/IIDH | 40W | 50W | 60W | | | | | | | |
| ST33-080/IIDH | 65W | 70W | 80W | | | | | | | |
| ST33-095/IIDH | 85W | 90W | 95W | | | | | | | |
| ST33-120/IIDH | 100W | 120W | 120W | Medium size | | | | | | |
| ST33-160/IIDH | 125W | 150W | 160W | | | | | | | |
| ST33-195/IIDH | 165W | 180W | 195W | Large size | | | | TRIDONICS | | |
| ST33-210/IIDH | 200W | 200W | 210W | | | | | | | |

* Product code reference:/H means high efficiency, /II means class II isulation, /D means DALI dim.
* Photocell and ZHAGA control optional.
* Product size could be refered to size drawing.

## Mounting Options



Side entry mounting · Post top mounting · Wall mounting · Corner mounting

±20° tilt adjustable

## Dimensions

### Side Entry



240(9.45") · 273(10.75") · 309(12.17")
525(20.67") · 590(23.23") · 680(26.77")
155(6.1") · 185(7.28")
240(9.45")
636(25.04") · 701(27.60") · 791(31.14")

Small size · Medium size · Large size

### Post Top



Ø62 (2.44") · 240(9.45") · 273(10.75") · 309(12.17")
525(20.67") · 590(23.23") · 680(26.77")
155(6.1") · 295(11.61")
350(13.78")
534(21.02") · 599(23.58") · 689(27.13")

Small size · Medium size · Large size
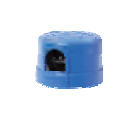
ST33

**Pole mount spigot**
ADC12 materials, ±20° tilt adjustable, for dia. 60/ 76mm pole.
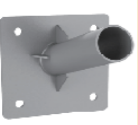Code: SP-R33-01(for dia.60mm)
Code: SP-R33-02 (for dia 76mm)

**Wall mount adaptor**
SPCC materials with outdoor powder coating.
Code: SP-R03-05

**Corner mount adaptor**
SPCC materials with outdoor powder coating.
Code: SP-R19-02

**T shape pole mount adaptor**
Q235 with Akzo Powder Coating materials, for 100x100mm square pole.
Code: SP-R03-07

**T shape pole mount adaptor**
SPCC materials, for dia.60/ 76mm pole
Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)

**L shape pole mount adaptor**
SPCC materials, for dia.60mm pole
Code: SP-R19-01(for dia.60mm)

**L shape pole mount adaptor**
Q235 materials, for 100x100mm square pole.
Code: SP-R03-10

**L shape pole mount adaptor**
SPCC materials, for dia.90mm pole
Code: SP-R03-09(for dia.90mm)

**NEMA socket**
ANSI C136.41-2013 Dimming Receptacles, 3pin/ 5pin /7pin are optional.
Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

**Photocell control**
ANSI C136.10-1996 Twist Lock for On-Off function only
Code: PS-A00-01

**Shorting cap**
Cover NEMA socket when it is not used.
Code: NS-A00-01

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# Specifications - ST36 LED Street Light

CE CB RoHS emc

## Electrical Information

| | |
|---|---|
| Model No. | Pls refer to Product Code List for details |
| Power Consumption | |
| Input Voltage | AC 220-240V, AC100-240 VAC, 50 / 60 Hz |
| Power Factor | >0.94 |
| Insulation Type | Class I or Class II |
| Driver Type | Constant Current (CC) |
| Control | Dimmable / Photocell/ DALI Dimmable/ZHAGA/ Microwave Sensor/ PIR Sensor |

## Optic Information

| | |
|---|---|
| LED Type | LED 3030 |
| Efficacy (4000K RA70) | 160lm/W |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) |
| Color Rendering Index | Ra70 (Ra80 optional) |
| Beam Angle | R01601,R01602,R01603,R01604,R01605,R01606,R01607,R01609,R01610,R01611,R01613 |
| UGR level | N/A |

## Description

Slim designed is an excellent choice for new construction or retrofit application. The High output LED and 30W-200W makes the power as a whole series.

## Dimentions and Mount

| Product Dimension | Mini Size | Small Size | Medium size | Large size |
|---|---|---|---|---|
| Luminaire Net Weight | 3.05±0.3kg | 4.15±0.3kg | 5.2±0.3kg | 6.4±0.3kg |
| Export Carton Size | 605*270*165mm | 710*270*165mm | 770*320*165mm | 840*335*165mm |
| Gross Weight | 4.7±0.3kg | 5.9±0.3kg | 7.2±0.3kg | 8.5±0.3kg |
| Mounting Option | Post top Mounting | | | |
| | Side entry Mounting | | | |
| Material | Aluminum Alloy | | | |
| | Tempered Glass+Polycarbonate Optical Lens | | | |
| Finish | Akzo Powder Coating | | | |
| Fixture Color | Silvery Grey | | | |
| EPA | 1.2ft² | 1.48ft² | 2.01ft² | 2.38ft² |
| IK Rating | IK09 | | | |
| IP Rating | IP66 | | | |

## Key Features

- simple installation.
- High output lumen efficiency, up to 160lm/W
- The housing is made of 100% aluminum alloy (ADC12)
- Powder coating with strong anti-corrosion.
- Easy to maintain.
- Adjustable elevation.

## Lifespan and Warranty

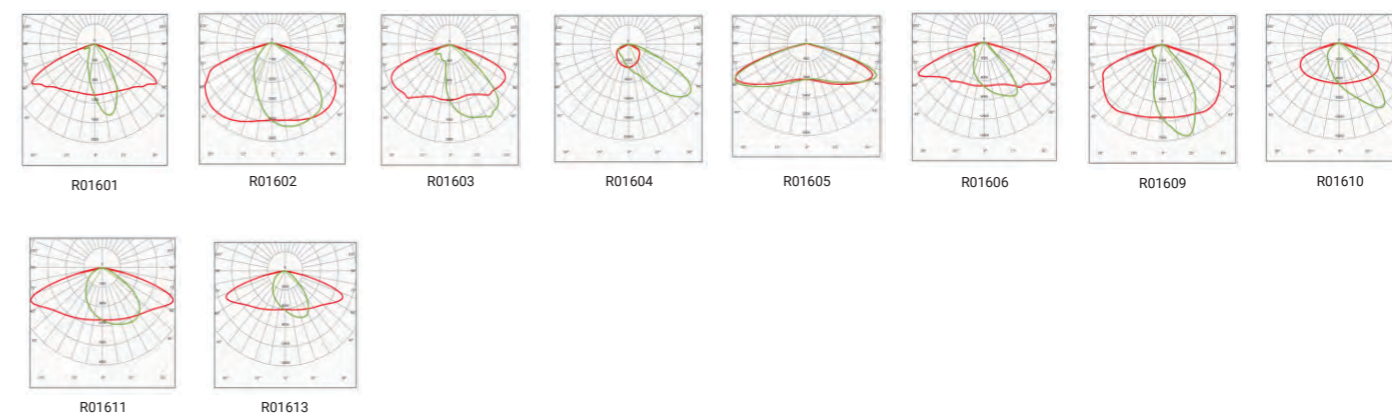| | |
|---|---|
| Operating Temperature | Class I : -30°C to + 50°C |
| | Class II : -30°C to + 40°C |
| Life Time of LED @Ta=25°C | 40000hrs-L90 |
| | 82000hrs-L80 |
| | 131000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Parking lots
- Traffic routes
- Residential areas
- Plazas, parking lot areas

## New Features

*\* Please consult us for details.*

## Photometry

R01601   R01602   R01603   R01604   R01605   R01606   R01609   R01610

R01611   R01613

ST36

## Product Code List

| Product code | Min.Power | Typ.Power | Max.Power | Size | Input voltage | Isulation Type | Control Mode | Driver | Surge protection | Efficacy (4000K Ra70±10%) |
|---|---|---|---|---|---|---|---|---|---|---|
| ST36-020/H | 15W | 20W | 20W | Mini Size | AC100-240V, 50-60HZ | class I | Nodim and 1-10V dim | MOSO | 4kV L-L, 6kV L-G | 160lm/W |
| ST36-030/H | 25W | 30W | 30W | | | | | | | |
| ST36-040/H | 35W | 40W | 40W | | | | | | | |
| ST36-060/H | 45W | 60W | 60W | Small size | | | | | | |
| ST36-075/H | 65W | 75W | 75W | | | | | | | |
| ST36-100/H | 80W | 100W | 100W | | | | | | | |
| ST36-120/H | 105W | 120W | 120W | Medium size | | | Nodim and 0-10V dim | | 5kV L-L,10kV L-G | |
| ST36-150/H | 125W | 150W | 155W | | | | | | | |
| ST36-180/H | 160W | 180W | 185W | | | | | | | |
| ST36-200/H | 190W | 200W | 210W | Large Size | | | | | | |
| ST36-230/H | 215W | 230W | 230W | | | | | | | |

| Product code | Min.Power | Typ.Power | Max.Power | Size | Input voltage | Isulation Type | Control Mode | Driver | Surge protection | Efficacy (4000K Ra70±10%) |
|---|---|---|---|---|---|---|---|---|---|---|
| ST36-020/IIH | 15W | 20W | 20W | Mini Size | AC220-240V, 50-60HZ | class II | Nodim and 1-10V dim | PHILIPS | 6kV L-L,10kV L-G | 160lm/W |
| ST36-030/IIH | 25W | 30W | 30W | | | | | | | |
| ST36-040/IIH | 35W | 40W | 40W | | | | | | | |
| ST36-060/IIH | 45W | 60W | 60W | Small size | | | | | | |
| ST36-075/IIH | 65W | 75W | 75W | | | | | | | |
| ST36-100/IIH | 80W | 100W | 100W | | | | | | | |
| ST36-120/IIH | 105W | 120W | 120W | Medium size | | | | | | |
| ST36-150/IIH | 125W | 150W | 155W | | | | | TRIDONICS | | |
| ST36-180/IIH | 160W | 180W | 185W | Large Size | | | | | | |
| ST36-200/IIH | 190W | 200W | 210W | | | | | | | |

| Product code | Min.Power | Typ.Power | Max.Power | Size | Input voltage | Isulation Type | Control Mode | Driver | Surge protection | Efficacy (4000K Ra70±10%) |
|---|---|---|---|---|---|---|---|---|---|---|
| ST36-020/IIHZA | 15W | 20W | 20W | Mini Size | AC220-240V, 50-60HZ | class II | ZHAGA | TRIDONICS | 6kV L-L,10kV L-G | 160lm/W |
| ST36-030/IIHZA | 25W | 30W | 30W | | | | | | | |
| ST36-040/IIHZA | 35W | 40W | 40W | | | | | | | |
| ST36-060/IIHZA | 45W | 60W | 60W | Small size | | | | | | |
| ST36-075/IIHZA | 65W | 75W | 75W | | | | | | | |
| ST36-100/IIHZA | 80W | 100W | 100W | Medium size | | | | | | |
| ST36-120/IIHZA | 105W | 120W | 120W | | | | | | | |
| ST36-150/IIHZA | 125W | 150W | 155W | | | | | | | |
| ST36-180/IIHZA | 160W | 180W | 185W | Large Size | | | | | | |
| ST36-200/IIHZA | 190W | 200W | 210W | | | | | | | |

| Product code | Min.Power | Typ.Power | Max.Power | Size | Input voltage | Isulation Type | Control Mode | Driver | Surge protection | Efficacy (4000K Ra70±10%) |
|---|---|---|---|---|---|---|---|---|---|---|
| ST36-020/HM | 15W | 20W | 20W | Mini Size | AC100-240V, 50-60HZ | class I | Motion Sensor | SOSEN | 6kV L-L,10kV L-G | 160lm/W |
| ST36-030/HM | 25W | 30W | 30W | | | | | | | |
| ST36-040/HM | 35W | 40W | 40W | | | | | | | |
| ST36-060/HM | 45W | 60W | 60W | Small size | | | | | | |
| ST36-075/HM | 65W | 75W | 75W | | | | | | | |
| ST36-100/HM | 80W | 100W | 100W | | | | | | | |
| ST36-120/HM | 105W | 120W | 120W | Medium size | | | | | | |
| ST36-150/HM | 125W | 150W | 155W | | | | | | | |
| ST36-180/HM | 160W | 180W | 185W | Large Size | | | | | | |
| ST36-200/HM | 190W | 200W | 210W | | | | | | | |

| Product code | Min.Power | Typ.Power | Max.Power | Size | Input voltage | Isulation Type | Control Mode | Driver | Surge protection | Efficacy (4000K Ra70±10%) |
|---|---|---|---|---|---|---|---|---|---|---|
| ST36-020/HP | 15W | 20W | 20W | Mini Size | AC100-240V, 50-60HZ | class I | PIR Sensor | SOSEN | 6kV L-L,10kV L-G | 160lm/W |
| ST36-030/HP | 25W | 30W | 30W | | | | | | | |
| ST36-040/HP | 35W | 40W | 40W | | | | | | | |
| ST36-060/HP | 45W | 60W | 60W | Small size | | | | | | |
| ST36-075/HP | 65W | 75W | 75W | | | | | | | |
| ST36-100/HP | 80W | 100W | 100W | | | | | | | |
| ST36-120/HP | 105W | 120W | 120W | Medium size | | | | | | |
| ST36-150/HP | 125W | 150W | 155W | | | | | | | |
| ST36-180/HP | 160W | 180W | 185W | Large Size | | | | | | |
| ST36-200/HP | 190W | 200W | 210W | | | | | | | |

* Product code reference:/H means high efficiency, /II means class II isulation, /D means DALI dim, /ZA means ZHAGA, /M means Motion Sensor  /P means PIR Sensor.
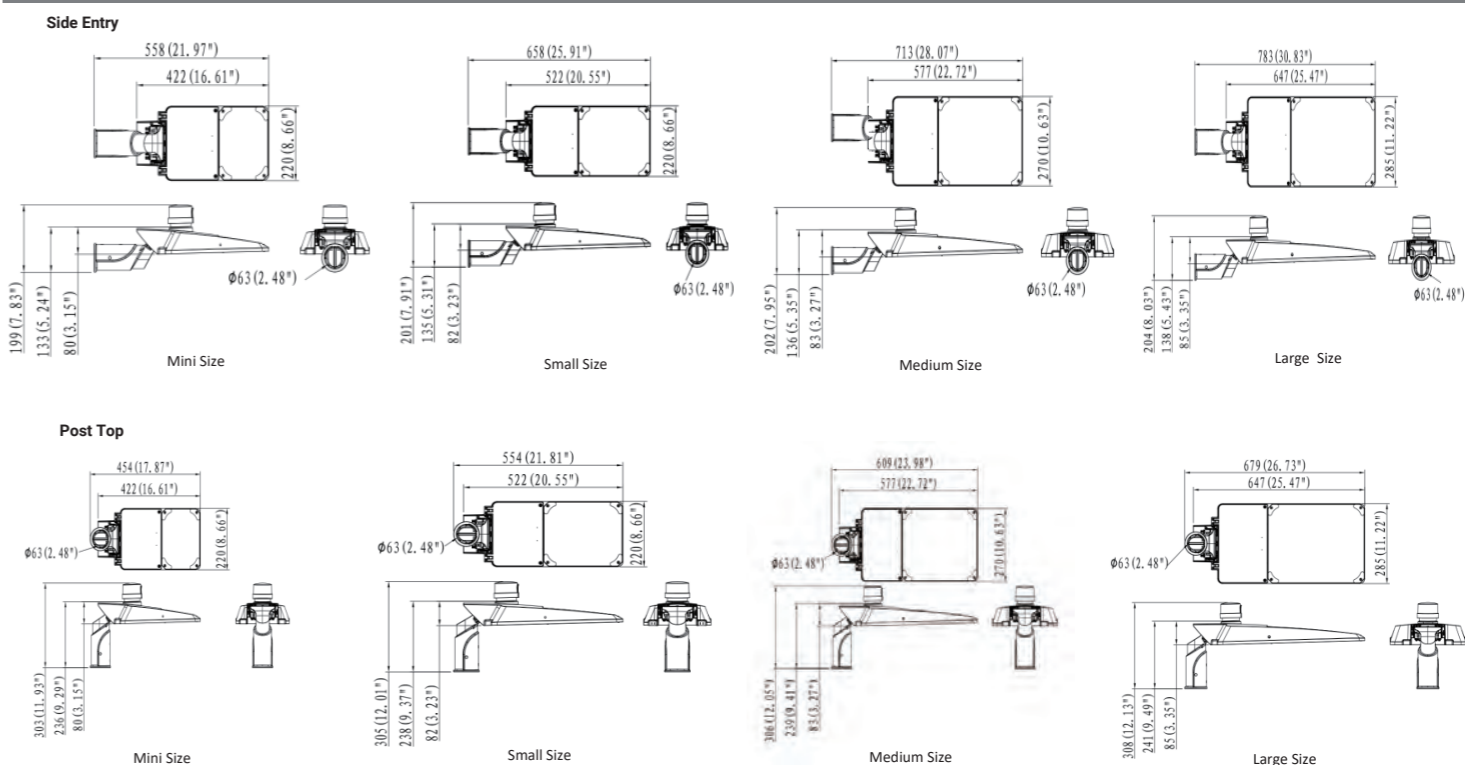* Photocell and ZHAGA control optional.

## Mounting Options



Side Entry



Post Top

## Dimensions

**Side Entry**



Mini Size    Small Size    Medium Size    Large Size

**Post Top**



Mini Size    Small Size    Medium Size    Large Size

ST36

**NEMA socket**

ANSI C136.41-2013 Dimming Receptacles, 3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

**Photocell control**

ANSI C136.10-1996 Twist Lock for On-Off function only

Code: PS-A00-01

**Shorting cap**

Cover NEMA socket when it is not used.

Code: NS-A00-01

**Plug and Play Motion Sensor**

SPCC materials with outdoor powder coating.

Code: ANT-5-4T( Microvawa Sensor)
Code: ANT-6-4T( PIR Sensor)

**ZHAGA Receptacles**

Compliant with Zhaga Book 18.

Code: ZG-A00-01

**Pole mount spigot**

ADC12 materials, ±15° tilt adjustable, for dia.34/ 42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
Code: SP-R03-04(for dia.76mm)

**Wall mount adaptor**

Q235+SPCC materials with outdoor powder coating.

Code: SP-R03-05

**T shape pole mount adaptor**

Q235+SPCC with Akzo Powder Coating materials, for 100x100mm square pole.

Code: SP-R03-07

**T shape pole mount adaptor**

Q235 materials, for dia.60/ 76mm pole

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)
Code: SP-R03-08a(for dia.90mm)

**L shape pole mount adaptor**

Q235+SPCC materials, for 100x100mm square pole.

Code: SP-R03-10

**L shape pole mount adaptor**

Q235 materials, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)
Code: SP-R03-09a(for dia.76mm)
Code: SP-R19-01(for dia.60mm)

**Corner mount adaptor**

SPCC materials with outdoor powder coating.

Code: SP-R19-02

**Quad adaptor**

Q235 materials with outdoor powder coating, 90° 4 ways

Code: SP-R03-15( for dia.90mm)

**Triple adaptor**

Q235 materials, with outdoor powder coating ,90° 3 ways

Code: SP-R03-14( for dia. 90mm)

**Twin adaptor**

Q235 materials , 90° 2 ways

Code: SP-R03-13(for dia 90mm pole)

**Post top Mount adaptor**

Q235 materials , 76mm to 60mm Adaptor

Code: SP-R03-16(for dia 76mm pole)

# Specifications - ST43 LED Street Light

**Version: 2.0**

## Electrical Information

| Model No. | ST43-10 | ST43-20 | ST43-30 |
|---|---|---|---|
| Power Consumption(±5%) | 10W | 20W | 30W |
| Battery | LiFePO4 Battery | | |
| Battery Capacity | 76WH | 156Wh | 230Wh |
| Solar Panels | Mono-Crystalline Solar Panel | | |
| Solar Panel Wattage | 30W | | |
| Charging Time | ＞3Hrs | ＞6Hrs | ＞9Hrs |
| Operating time | Full power>8 hours,Intelligent mode 3-4 days | | |
| Working mode | Refer Intelligent control MODE | | |
| Control | Timmer dimming/PIR sensor | | |

## Optic Information

| LED Type | LED 2835 | | |
|---|---|---|---|
| Luminous Flux (±10%)) | 2000lm | 4000lm | 6000lm |
| Efficacy(4000K Ra70) | 200lm/W | | |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | |
| Beam Angle | R10801 | | |
| UGR level | NA | | |

## Description

ST43 is a new private design solar LED Street light, with Slim design and higher conversation efficiency  Mono-crystalline photovoltaic Solar panel, 200lm/w efficiency to makes the products with better advantages to meet different requirements from customers.

## Dimentions and Mount

| Product Dimension (Side Entry) | 807X301X148mm | | |
|---|---|---|---|
| Luminaire Net Weight | 5.0±0.3kg | 5.7±0.3kg | 6.3±0.3kg |
| Export Carton Size | 750X370X195mm | | |
| Gross Weight | 7.2±0.3kg | 7.9±0.3kg | 8.5±0.3kg |
| Mounting Option | Post top/ Side Entry | | |
| | Pole clamp bracket /Wall Mount | | |
| Material | Aluminum Alloy | | |
| | Polycarbonate Optical Lens | | |
| | LiFePO4 Battery | | |
| | Mono-Crystalline Solar Panel | | |
| Finish | Powder Coating | | |
| Fixture Color | Silver | | |
| EPA | 2.56ft² | | |
| IP Rating | IP65 | | |

## Key Features

· Nice design with lighter weight,easier installation
· System efficiency upto 200lm/w with competitive price
· The Controller has built in Motion Sensor and timer dimming function
· LiFePO4 Battry  is with longer lifetime,charge for 8 hours which can continuous working for 3 days
· IP65 & IK08 double protection
· Mono-crystalline photovoltaic with a higher conversation efficiency
· Adjustable angle
· Different Mounting Options

## Lifespan and Warranty

| Operating Temperature | 0°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 31000hrs-L90 |
| | 64000hrs-L80 |
| | 101000hrs-L70 |
| Warranty | 3 Years |

## Applications

· Village streets
· Urban road
· Courtyard
· Parking Lot

## New Features

*Please consult us for details.*

ST43
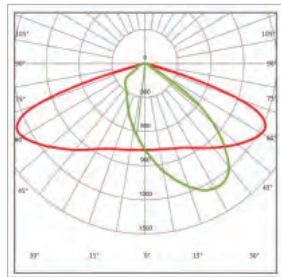
R10801
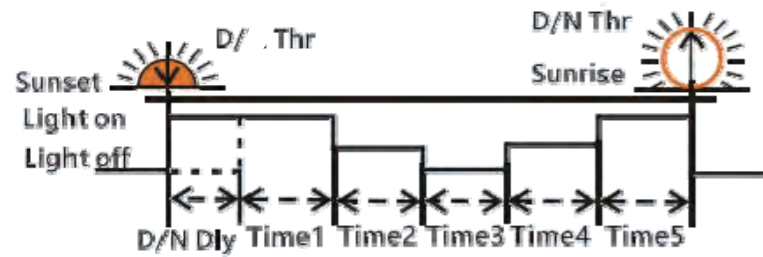
## Mounting Options



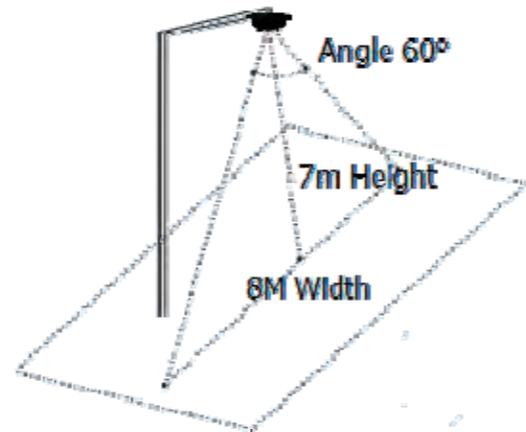Side Entry

Post top

pole clamp bracket

Wall Mount

## Intelligent Control Mode

### 5 Stage Night Mode



* Please note the Sensor function is only available at Time 3 and Time 4

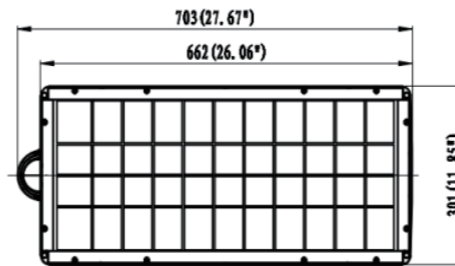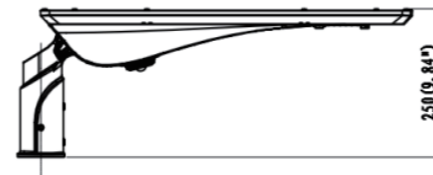*You can set the fixtures with 5 stages timer dimming yourself by the remote Controller.



Angle 60°

7m Height

8M Width

PIR Sensor Detect Areas

### Factory Default setting:



With Sufficient natural light, the light keeps charging

1st 4hours from light switches on, the light keeps 100% brightness when presence is detected

The light keeps 30% when there is no presence is detected after 30S hold time in the 1st 4 Hours

The light keeps 60% brightness when there is presence is detected from 5th to 8th Hours after light switches on

After 30S hold time within 5th to 8hours , the light dim to 20% brightness when there is no presence is detected

The light keeps 10% brightness for 3Hours until the Sunrise.

The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0 ~8.0V
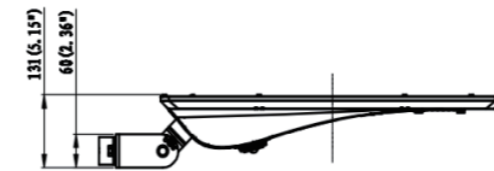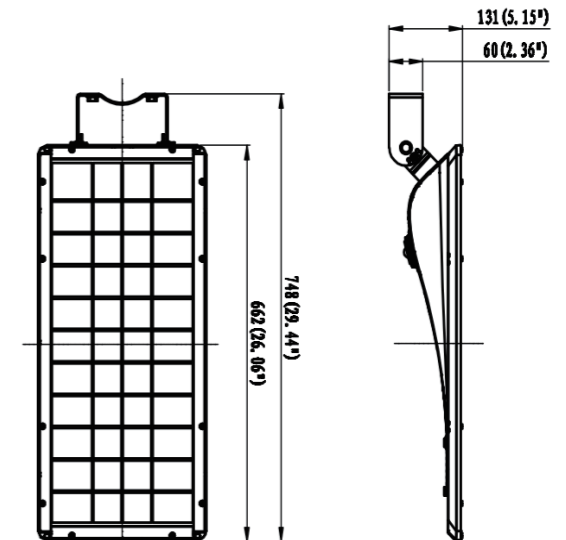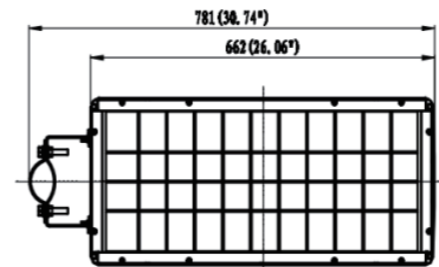
### Dimensions



250 (9. 84")

148 (5. 82")

703 (27. 67")
662 (26. 06")
301 (11. 85")

Post Top Mount

807 (31. 77")
662 (26. 06")
301 (11. 85")

Side Entry Mount

131 (5. 15")
60 (2. 36")

131 (5. 15")
60 (2. 36")

781 (30. 74")
662 (26. 06")
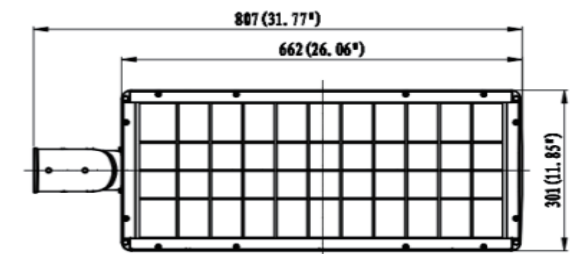
Pole Clamp Bracket Mount

748 (29. 44")
662 (26. 06")

Wall Mount

ST43

**Optic lens**

High transmittance PC materials,
UV test approval.

Code: please refer to Photometry for different beam angle.

**±15°** Spigot
ADC12 materials with outdoor powder coating.

**±30°** Pole Clamp Bracket
SPCC materials with outdoor powder coating.
can be also the wall mount bracket

Pole Clamp Bracket for 60mm/76mm Pole Only.

**Wall mount adaptor**

SPCC materials with outdoor powder coating.

Code: SP-R03-05

**T shape pole mount adaptor**

Q235 with Akzo Powder Coating materials, for 100x100mm square pole.

Code: SP-R03-07

**T shape pole mount adaptor**

Q235 materials, for dia.60/ 76mm pole

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)

**L shape pole mount adaptor**

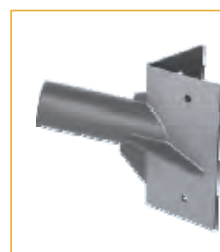Q235 materials, for 100x100mm square pole.

Code: SP-R03-10

**L shape pole mount adaptor**

Q235 materials, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)

**Corner mount adaptor**

SPCC materials with outdoor powder coating.

Code: SP-R19-02

**L shape pole mount adaptor**

Q235 materials, for dia.60mm pole

Code: SP-R19-01(for dia.60mm)

**Remote Controller**

Remote Controller for Solar Street light
Code: S-Unit(SU07)

---

# Specifications - UST03 Lotus Post Top Light

**Version: 3.0**

iF DESIGN AWARD 2020

CE CB RoHS emc SAA

## Electrical Information

| Model No. | UST03-040 | UST03-060 | UST03-075 | UST03-100 |
|---|---|---|---|---|
| Power Consumption(±5%) | 40W (±10%) | 60W | 75W | 100W |
| Power Supply | Sosen | | | |
| Input Voltage | 100-240VAC /100-277VAC,50 / 60 Hz | | | |
| Power Factor | ≥0.9 at Max Load | | | |
| Surge Protection | 6KV line-line , 10KV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | 1-10V/DALI | | | |

## Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 4800LM | 7200LM | 9000LM | 12000LM |
| Efficacy(4000K Ra70) | 120LM/W | | | |
| Correlated Color Temperature | 4000K (4000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | TYPE III (R01203)/TYPE IV(R01204)/TYPE V(R01201) | | | |
| UGR level | NA | | | |

## Dimentions and Mount

| Product Dimension | 450x450x526mm | | | |
|---|---|---|---|---|
| Luminaire Net Weight | 7.58±0.2kg | 7.88±0.2kg | 7.94±0.2kg | 7.97±0.2kg |
| Export Carton Size | 530x530x24.5mm | | | |
| Gross Weight | 9.14±0.2kg | 9.44±0.2kg | 9.50±0.2kg | 9.53±0.2kg |
| Mounting Option | Post top φ60mm/φ76mm | | | |
| Material | Die Casting Aluminum | | | |
| | Tempered Glass and Polycarbonate Optical Lens | | | |
| Finish | Powder Coating | | | |
| Fixture Color | Black | | | |
| EPA | 5.56ft² | | | |
| IK Rating | IK08 | | | |
| IP Rating | IP66 | | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C | |
|---|---|---|
| Life Time of LED @Ta=25°C | 60000hrs L90 | |
| | 80000hrs L80 | |
| | 100000hrs L70 | |
| Warranty | 5 Years | |

## New Features

*\* Please consult us for details.*

## Description

The aesthetics of the city is inseparable from lighting, Lotus satisfied the trend of urban differentiation with smooth curvature, which effectively prevents the accumulation of dust and leaves, not only creates a neat atmosphere, but also provides excellent heat dissipation.In general, the traditional industrial lighting design is not obvious enough, in contrast, the design of lotus is inspired by the Pine Greeting Guests, and through continuous optimization, the overall display is more modern.

## Key Features

• LED Post Top Light / Garden Light
• Contemporary, architectural design, elegant appearance.
• Smooth housing without any screws exposed.
• Lumen Packages ranging from 4800 - 12000lm
• 100-277V 50/60Hz, 277-480V Available
• Professional optic provide an excellent effect, managing glare while providing high
• Levels of visibility.
• IK08, IP66 Rated
• φ60mm & φ76mm mount available
• Area, site and pedestrian scale applications

## Applications
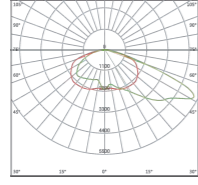
• courtyard
• Private and Public garden
• community

UST 03

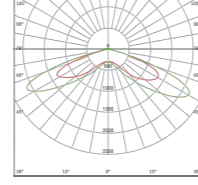# Specifications - UST03 Lotus Post Top Light

## Photometry



TYPE III (R01203)
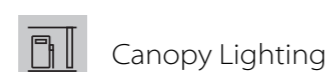
TYPE IV(R01204)

TYPE V(R01201)

## Mounting Options



3.

M4
1.2Nm

1.

2.

L
N
⏚

| L | brown | black |
| N | blue | white |
| ⏚ | yellow/green | green |

⚠ Caution, risk of electric shock

M8
8 Nm

## Dimensions

Unit:mm



Φ17.72" (Φ450mm)

20.71" (526mm)

13.39" (340mm)

3.5" (89mm)

UST 03
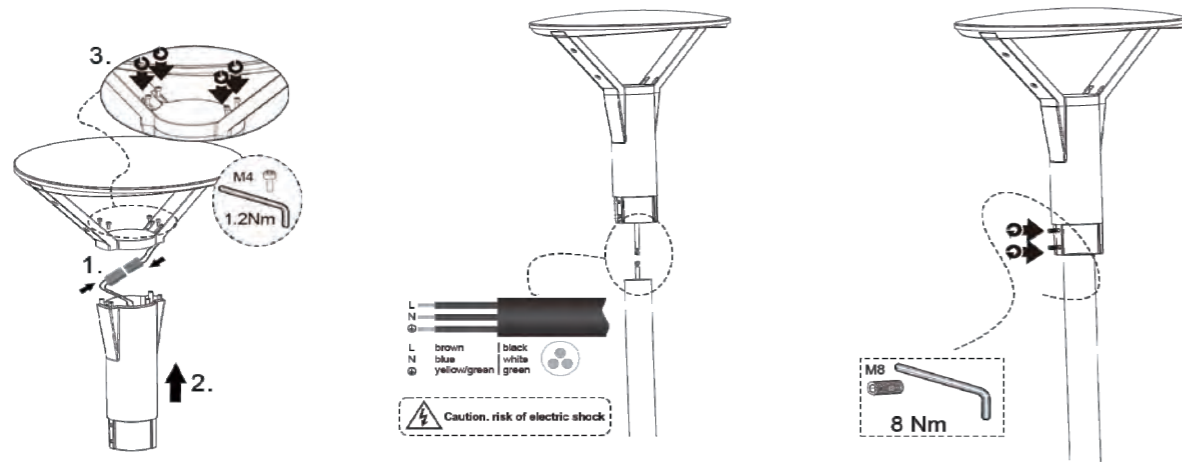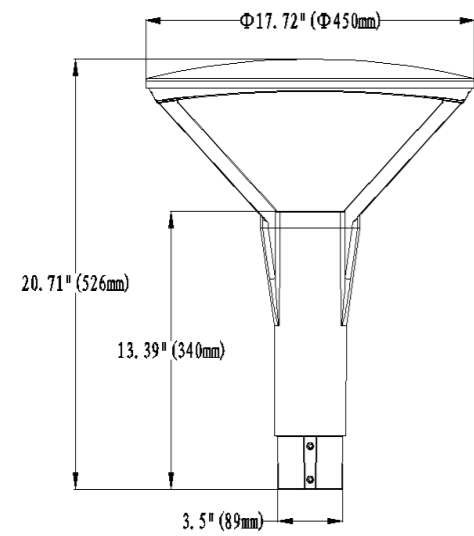
## Accessories

# Special Purpose Luminaires

**HA02** / P132-134

**WP01** / P135-136

**ST14** / P137-138

**TN02** / P139-141

**FL12** / P142-143

**FL19** / P144-145

**FL26** / P146-147

**LHB11** / P148-150

**FL23** / P151-153

Garage Parking

Tunnel Lighting

Tri-Proof Light

Full-Cutoff wall pack

Canopy Lighting

Livestock lighting

Conveyor Lighting

Portable work light

Swing pool solution
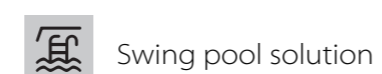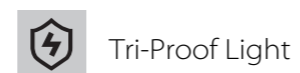
# Specifications - HA02 LED Conveyor LED Light

Version: 3.0

## Electrical Information

| Model No. | HA02-070 | HA02-070/Y | HA02-070/K | HA02-070 |
|---|---|---|---|---|
| Power Consumption(±5%) | 70W | | | |
| Power Supply | INVENTRONICS | | | SDC |
| Input Voltage | AC100-240V | | | DC12-24V |
| Power Factor | >0.90 | | | |
| Surge Protection | 20KV | | | / |
| Driver Type | Constant Current (CC) | | | |
| Control | nodim, 1-10V dim control | Emergency function | Photccell control | DC input |

## Optic Information

| | |
|---|---|
| LED Type | LED 3030 |
| Luminous Flux (±10%) | 9800lm |
| Efficacy(5000K Ra70) | 140LM/W |
| Correlated Color Temperature | 5000K (4000K optional) |
| Color Rendering Index | Ra70 (Ra80 optional) |
| Beam Angle | R01206, T00C02 |
| UGR level | NA |

## Description

With specially design, HA02 LED conveyor light offers a perfect lighting solution for some challenging areas like conveyors and narrow pathways.

CE  RoHS

## Key Features

· Robust unibody arc-shaped design.
· High output lumen efficiency, up to 140lm/W.
· Resistant to Vibration.
· Daylight sensor, built-in emergency module, 0-10v dimmable and DC input for optional.
· IP66, IK08 and 20KV surge protection.
· Type I asymmetrical optical controls provide professional light distribution.
· Lowest cost of installation. Fit φ32，34，40，44mm spigot mount installations

## Dimentions and Mount

| | | | | |
|---|---|---|---|---|
| Product Dimension | 347x342x128mm | | 347x342x198mm | 347x342x128mm |
| Luminaire Net Weight | 6.02±0.3kg | 6.20±0.3kg | 6.41±0.3kg | 6.05±0.3kg |
| Export Carton Size | 455×415×240mm | | | |
| Gross Weight | 7.40±0.3kg | 7.58±0.3kg | 7.79±0.3kg | 7.43±0.3kg |
| Mounting Option | Pole Mounting (φ32mm/34mm/40mm/44mm) | | | |
| Material | Aluminum Alloy | | | |
| | Tempered Glass and Polycarbonate Optical Lens | | | |
| Finish | Powder Coating | | | |
| Fixture Color | Black | | | |
| EPA | 1.21ft² | | | |
| IK Rating | IK08 | | | |
| IP Rating | IP66 | | | |

## Lifespan and Warranty

| | | | |
|---|---|---|---|
| Operating Temperature | -30°C to + 50°C | 0°C to + 40°C | -30°C to + 50°C |
| Life Time of LED @Ta=25°C | 70,000hrs-L90 | | |
| | 152,000hrs-L80 | | |
| | 244,000hrs-L70 | | |
| Warranty | 5 Years | | |

## Applications

· Conveyor
· Walkway
· Parking lot
· Other area lighting applications

## New Features

*Please consult us for details.*

## Photometry
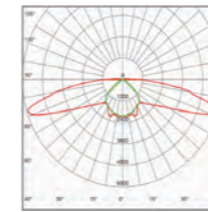


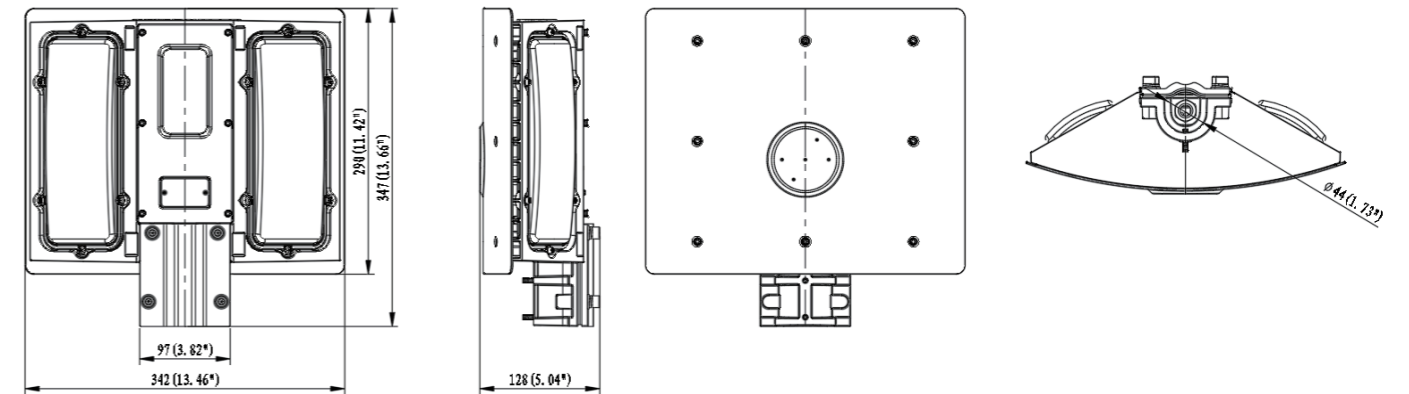R01206
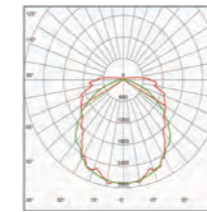
T00C02

## Mounting Options



Pole mounting

## Dimensions



70W
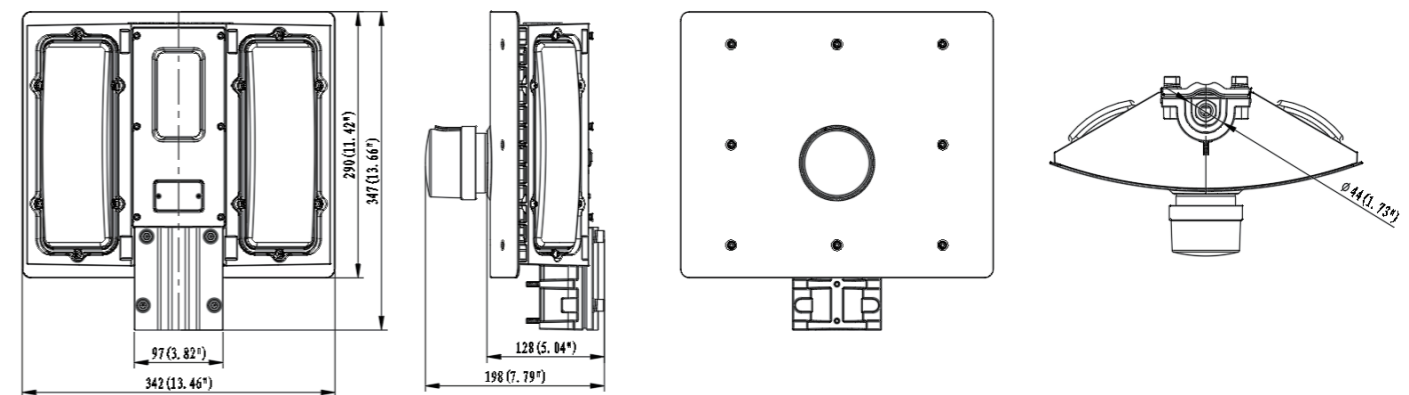


70W with photocell

## Accessories

**Photocell control**

ON-OFF automatically according to day light.

Code: PS-A00-01

**NEMA socket**

3pin/ 5pin /7pin are optional.

Code: NS-A00-02(for 3pin)
Code: NS-A00-03(for 5pin)
Code: NS-A00-04(for 7pin)

**Shorting cap**

Cover NEMA socket when it is not used.

Code: NS-A00-01

CE  RoHS

## Specifications - WP01 HiPack LED Wall Pack Light

Version: 3.0

### Electrical Information

| Model No. | WP01-040 | WP01-070 |
|---|---|---|
| Power Consumption(±5%) | 40W | 70W |
| Power Supply | Sosen | |
| Input Voltage | 100-240 VAC | |
| Power Factor | ≥0.9 | |
| Surge Protection | 6kV line-line, 10kV line-earth | |
| Driver Type | Constant Current (CC) | |
| Control | 1-10V Dimmable | |
| | Microwave Sensor, PIR Sensor, Emergency | |

### Optic Information

| LED Type | LED 3030 | |
|---|---|---|
| Luminous Flux (±10%) | 5600LM | 9800LM |
| Efficacy(5000K Ra70) | 140lm/W | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | |
| Color Rendering Index | Ra70 (Ra80 optional) | |
| Beam Angle | R08401 | |
| UGR level | NA | |
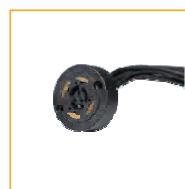
### Description

HiPack adopts latest Nichia chips with 140lm/W luminous efficacy. Using professional imported optical lens with 93% light transmittance, it makes HiPack high efficient, low UGR and asymmetrical light distribution. HiPack delivers uniform light and increase security for building exteriors and courtyard.

### Dimentions and Mount

| Product Dimension | 296x150x223mm |
|---|---|
| Luminaire Net Weight | 3.9± 0.3kg |
| Export Carton Size | 272x200x350mm |
| Gross Weight | 4.6± 0.3kg |
| Mounting Option | Wall Mounting |
| Material | Aluminum Alloy |
| | Polycarbonate Optical Lens |
| Finish | Powder Coating |
| Fixture Color | Bronze |
| EPA | NA |
| IK Rating | IK10 |
| IP Rating | IP66 |

### Key Features

· 40W/70W 140lm/W.
· IP65 rating, EVA board on the back preventing water from flowing in.
· Corrosion resistance: Outdoor polyester & anti-corrosion material coating
· Great heat dissipation. Driver located at the grille heat sink helps excellent dissipation performance.
· Uniformly Asymmetrical light distribution, illuminating the area without light pollution.
· 5 years warranty.

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 67,00hrs-L90 |
| | 146,000hrs-L80 |
| | 236,000hrs-L70 |
| Warranty | 5 Years |

### Applications

· courtyard
· building exteriors

### New Features

· Emergency back-up
· Photocell JL-403C

*\* Please consult us for details.*

WP01

## Photometry
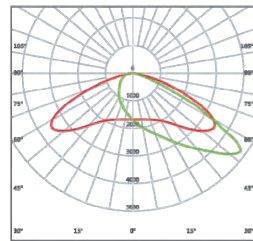


R08401

## Mounting Options



Wall mounting

## Dimensions



150mm (5.91")

223mm (8.78")

296mm (11.65")

126mm (4.96")
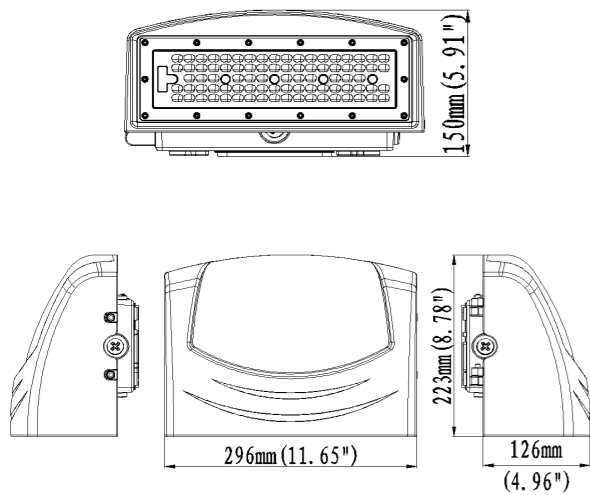
## Accessories

**PIR sensor**
120-277Vac input, IP65 rating.

**Microwave motion sensor**
120-277Vac input, IP65 rating,
max detect height is 15m.

**Remote control**

Emergency kit
8W 3H emergency kit

# Specifications - ST14 HiPark LED Garage Light

Version: 3.0



CE  emc  SAA

### Electrical Information

| Model No. | ST14-040 | ST14-060 |
|---|---|---|
| Power Consumption(±5%) | 40W | 60W |
| Power Supply | Sosen | |
| Input Voltage | 100-240 VAC | |
| Power Factor | ≥0.9 | |
| Surge Protection | 6kV line-line, 10kV line-earth | |
| Driver Type | Constant Current (CC) | |
| Control | 1-10V Dimmable, | |
| | Microwave Sensor, PIR Sensor, Emergency | |

### Optic Information

| LED Type | LED 3030 | |
|---|---|---|
| Luminous Flux (±10%) | 5600LM | 8400LM |
| Efficacy(5000K Ra70) | 140lm/W | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | |
| Color Rendering Index | Ra70 (Ra80 optional) | |
| Beam Angle | R08801, R00C02 | |
| UGR level | NA | |

### Description

HiPark Garage light is low-profile, durable and state-of-the-art fixture. It is designed for indoor parking garage which can quickly and easily upgrade existing H.I.D. and fluorescent fixtures.

### Dimentions and Mount

| Product Dimension | 282×252×89mm | |
|---|---|---|
| Luminaire Net Weight | 2.3±0.3kg | 2.5±0.3kg |
| Export Carton Size | 680×327×319mm | |
| Gross Weight | 2.7 ± 0.3kg | |
| Mounting Option | Ceiling mount , Pipe mount | |
| Material | Aluminum Alloy | |
| | Polycarbonate Optical Lens | |
| Finish | Powder Coating | |
| Fixture Color | Bronze | |
| EPA | NA | |
| IK Rating | IK08 | |
| IP Rating | IP66 | |

### Key Features

· Brightest Parking Garage Light in the Market: up to 140lm/W
· Multiple Mounting: Surface Mounting/Pipe Mounting
· Built-in Motion Sensor to save more energy
· Easy Installation&Maintenance

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 67,00hrs-L90 |
| | 146,000hrs-L80 |
| | 236,000hrs-L70 |
| Warranty | 5 Years |

### Applications

· Indoor Parking Garages
· Service Corridor
· Fire Stairs

### New Features

* Please consult us for details.

ST14

## Photometry



R08801



R0C02

## Mounting Options



Ceiling mounting



Pipe mounting

## Dimensions



282mm (11.1")

252mm (9.92")

89mm (3.5")

## Accessories



**PIR sensor**
120-277Vac input, IP65 rating, max detect height is 15m.



**Microwave motion sensor**
120-277Vac input, IP65 rating, max detect height is 15m.

**Remote control**



**Emergency Kit**
8W 3H emergency battery kit

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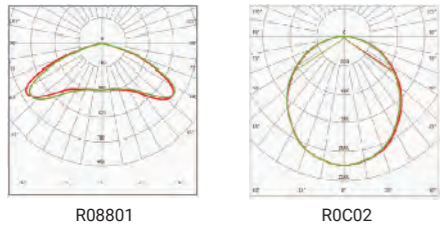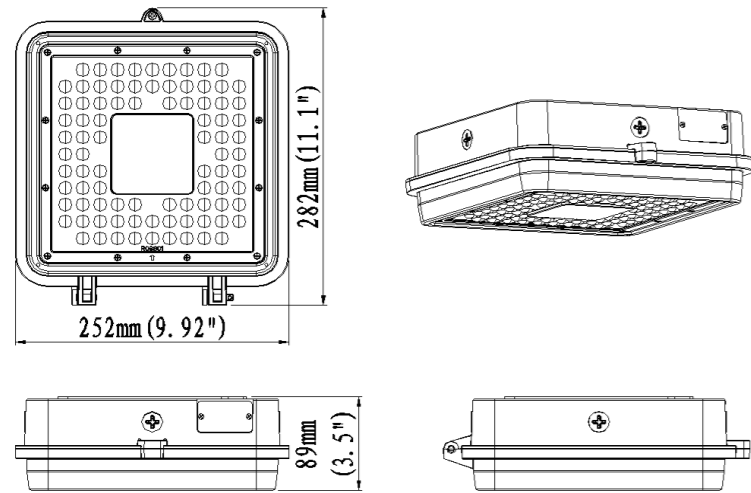
# Specifications - TN02 Gotthard LED Tunnel Light

### Electrical Information

| Model No. | TN02-060 | TN02-090 | TN02-120 | TN02-150 |
|---|---|---|---|---|
| Power Consumption(±5%) | 60W | 90W | 120W | 150W |
| Power Supply | Philips | | | |
| Input Voltage | AC220-240V, 50 / 60 Hz | | | |
| Power Factor | >0.90 | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Protection Class | Class I/Class II | | | |
| Control | DALI dimmable, Timer dimming, Non-dimmable, 1-10V Dimmable | | | |

### Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 9000LM | 13500LM | 18000LM | 22500LM |
| Efficacy(@4000K Ra70) | 150LM/W | | | |
| Correlated Color Temperature | 4000K (3000K, 5000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | R01203, R01204, R01205,  R01207, R01208 | | | |
| UGR level | NA | | | |

 CB  KK  CE  RoHS

## Description

Gotthard brings elegance to tunnel lighting, separate driver box design for better protection and easier maintenance. Highly reliable, environment friendly materials for corrosion proof.

### Dimentions and Mount

| Product Dimension | Lamp Body | 308x206x194mm | 358x206x194mm | 459x206x194mm | 510x206x194mm |
|---|---|---|---|---|---|
| | Power Supply | 397x137x219mm | | | |
| Net Weight | Lamp Body | 1.6±0.3kg | 1.9±0.3kg | 2.5±0.3kg | 3.0±0.3kg |
| | Power Supply | 1.9±0.3kg | | | |
| Export Carton Size | Lamp Body | 411x255x130mm | 461x255x130mm | 562x255x130mm | 612x255x130mm |
| | Power Supply | 513x184x155mm | | | |
| Gross Weight | Lamp Body | 2.1±0.3kg | 2.4±0.3kg | 3.0±0.3kg | 3.5±0.3kg |
| | Power Supply | 2.4±0.3kg | | | |
| Mounting Option | | Hook Mount/Ceiling Mount (Adjustable) | | | |
| Material | | Aluminum Alloy | | | |
| | | Tempered Glass and Polycarbonate Optical Lens | | | |
| Finish | | Powder Coating | | | |
| Fixture Color | | Gray | | | |
| EPA | | NA | | | |
| IK Rating | | IK09 | | | |
| IP Rating | | IP66 | | | |

## Key Features

• Great corrosion resistance, passed 1000H salty spray test.
• Full power covers 60W 90W 120W 150W
• 150lm/W
• IP66, CLASS II, DALI dimming.
• Strengthened Glass to ensure the IK Protection, and easy to clean.
• Excellent heat dissipation.
• Asymmetric optic: TYPE II/TYPE III
• Adjustable ceiling mount and Hook Mount are optional for different type of tunnels.

### Lifespan and Warranty

| Operating Temperature | -30°C to +50°C(-22°F to +122°F) |
|---|---|
| Life Time of LED @Ta=25°C | >61,000hrs-L90 |
| | >135000hrs-L80 |
| | >219000hrs-L70 |
| Warranty | 5 Years |

## Applications

• Fast-speed, Medium-speed, and Low-speed tunnel

### New Features

• 300W is available

*\* Please consult us for details.*

### Photometry



R01203



R01204



R01205
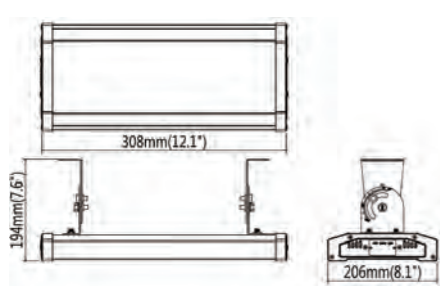


R01207



R01208

TN02

139
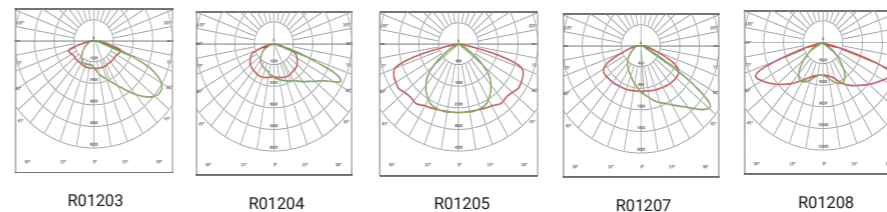
Hook mounting



Ceiling mounting
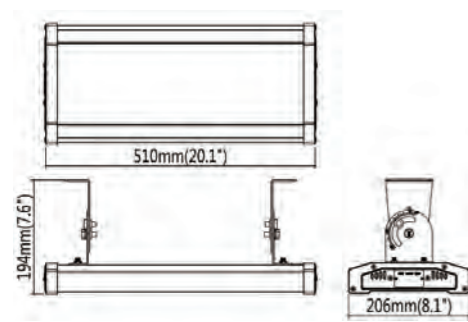
## Dimensions

**Ceiling mounting**

60W ( Lamp Body)
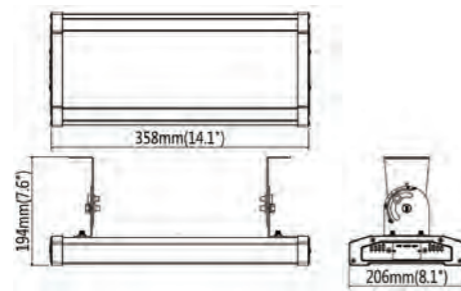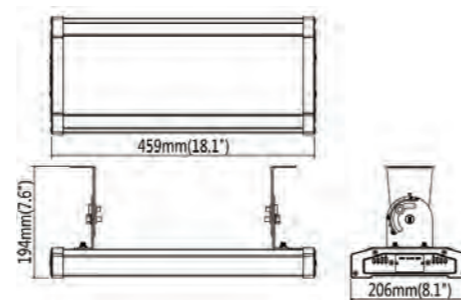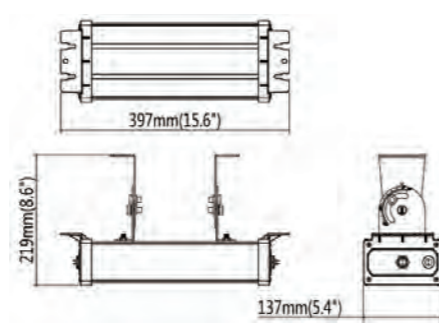


308mm(12.1")
194mm(7.6")
206mm(8.1")

90W ( Lamp Body)



358mm(14.1")
194mm(7.6")
206mm(8.1")

120W ( Lamp Body)



459mm(18.1")
194mm(7.6")
206mm(8.1")

150W ( Lamp Body)



510mm(20.1")
194mm(7.6")
206mm(8.1")

Power



397mm(15.6")
219mm(8.6")
137mm(5.4")

**Hook mounting**

60W (Lamp Body)



308mm(12.1")
171mm(6.7")
206mm(8.1")

90W (Lamp Body)



358mm(14.1")
171mm(6.7")
206mm(8.1")

120W( Lamp Body)



459mm(18.1")
171mm(6.7")
206mm(8.1")

150W( Lamp Body)



510mm(20.1")
171mm(6.7")
206mm(8.1")

Power Supply



397mm(15.6")
195mm(7.7")
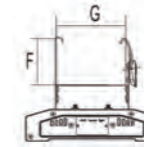137mm(5.4")
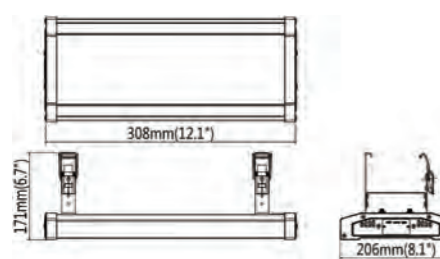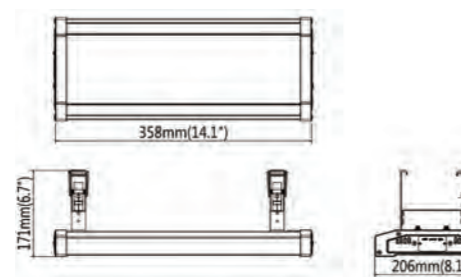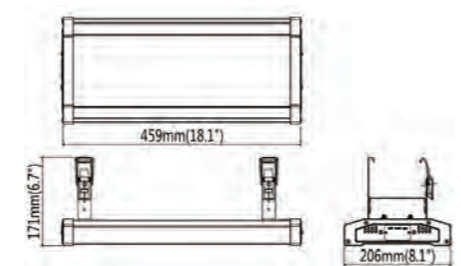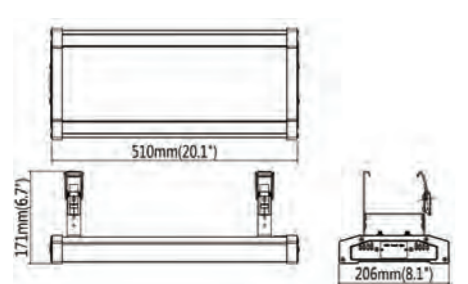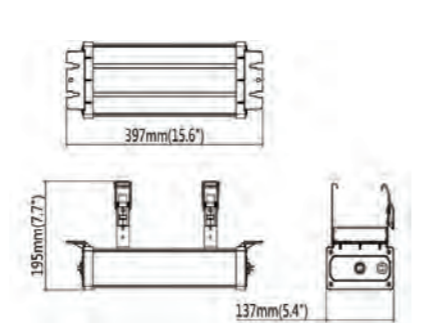
## Accessories

**Hook mount bracket**
Stainless steel materials, 3 kinds of size for option.

Code: BC-T02-01 (100mm wide)
Code: BC-T02-01a (200mm wide)
Code: BC-T02-01b (300mm wide)



| G(mm/in) | F(mm/in) |
|---|---|
| 100(3.94") | 75(2.95") |
| 200(7.87") | 75(2.95") |
| 300(11.81") | 75(2.95") |

**Ceiling mount bracket**
±45° adjustable bracket.

Code: BC-T02-02

TN02

### Electrical Information

| Model No. | FL12-050 | FL12-080 | FL12-100 | FL12-150 |
|---|---|---|---|---|
| Power Consumption(±5%) | 50W | 80W | 100W | 150W |
| Power Supply | MEANWELL | | | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | | | |
| Power Factor | >0.90 | | | |
| Surge Protection | 6kV line-line, 10kV line-earth | | | |
| Driver Type | Constant Current (CC) | | | |
| Control | dimmable | | | |
| | | | | |

### Optic Information

| LED Type | LED 3030 | | | |
|---|---|---|---|---|
| Luminous Flux (±10%) | 8000lm | 12800lm | 16000lm | 24000lm |
| Efficacy(@5000K Ra70) | 160lm/W | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | |
| Beam Angle | F00A02 | | | |
| | | | | |

### Description

High luminous efficacy and source Flush mount canopy fixture, ideal for vehicle service and fueling stations as a retrofit or new construction.

### Dimentions and Mount

| Product Dimension | 405×405×192mm | | | |
|---|---|---|---|---|
| Luminaire Net Weight | 8.0±0.3kg | 8.1±0.3kg | 8.4±0.3kg | 8.6±0.3kg |
| Export Carton Size | 465×245×470mm | | | |
| Gross Weight | 8.5±0.3kg | 8.6±0.3kg | 8.8±0.3kg | 9.0±0.3kg |
| Mounting Option | Recessed Mounting, Ceiling Mounting | | | |
| Material | Aluminum Alloy | | | |
| | Tempered Glass | | | |
| Finish | Powder Coating | | | |
| Fixture Color | White | | | |
| EPA | NA | | | |
| IK Rating | IK08 | | | |
| IP Rating | IP66 | | | |

### Key Features

- Suitable for Garage/Gas station etc.
- Warehouse
- Industrial Facility
- Exhibition Center
- Shopping Mall

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C | -30°C to + 45°C |
|---|---|---|
| Life Time of LED @Ta=25°C | 77,000hrs-L90 | |
| | 170,000hrs-L80 | |
| | 275,000hrs-L70 | |
| Warranty | 5 Years | |

### Applications

- Warehouse
- Industrial Facility
- Exhibition Center
- Shopping Mall
- Gymnasium
- Airport
- Toll Station and so on.

### New Features

*Please consult us for details.*

### Photometry
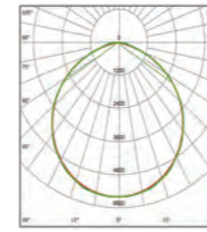


F00A02

### Mounting Options



Recessed Mounting via square hole

Recessed Mounting via round hole

Ceiling Mounting
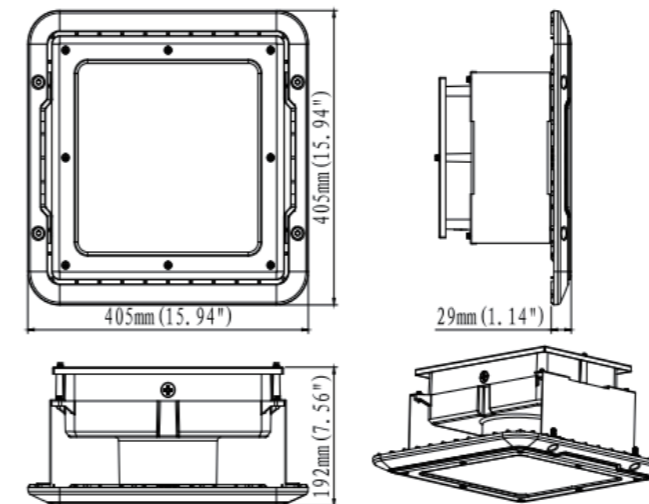
### Dimensions



405mm (15.94")
405mm (15.94")
29mm (1.14")
192mm (7.56")

FL12

CE RoHS

## Electrical Information

| Model No. | FL19-050 | FL19-075 |
|---|---|---|
| Power Consumption(±5%) | 50W | 75W |
| Power Supply | SOSEN | |
| Input Voltage | 100-240 VAC, 50 / 60 Hz | |
| Power Factor | >0.92 | |
| Surge Protection | 4kV line-line, 6kV line-earth | |
| Driver Type | Constant Current (CC) | |
| Control | dimmable | |

## Optic Information

| LED Type | LED 3030 | |
|---|---|---|
| Luminous Flux (±10%) | 6500lm | 9750lm |
| Efficacy(@5000K Ra70) | 130lm/W | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | |
| Color Rendering Index | Ra70 (Ra80 optional) | |
| Beam Angle | F00C01 | |
| UGR | NA | |

## Description

FL19 is low power with 50W/75W optional, as an economic product,this item with efficiency around 130lm/W, could be used as canopy light or low bay light.

## Dimentions and Mount

| Product Dimension | 400×400×76mm |
|---|---|
| | 438×400×85mm(with ceiling frame) |
| Luminaire Net Weight | 2.45±0.3kg |
| | 3.45±0.3kg(with ceiling frame) |
| Export Carton Size | 480×100×485mm |
| Gross Weight | 3.45±0.3kg |
| | 4.5±0.3kg(with ceiling frame) |
| Mounting Option | Suspension Mounting, Recessed Mounting |
| | Ceiling Mounting, Bracket Mounting |
| Material | SPCC |
| | Polycarbonate |
| Finish | Powder Coating |
| Fixture Color | White |
| EPA | NA |
| IP Rating | IP65 |

## Key Features

• Simple but multiple mouting optional
• SMD chips better heat dissipation
• Polycarbonate cover, anti-yellow, IK07
• 5 years warranty

## Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 83,000hrs-L80 |
| | 132,000hrs-L80 |
| Warranty | 5 Years |

## Applications

• Warehouse
• Factory
• Exhibition Center
• gas station

## New Features

*Please consult us for details.*

## Photometry
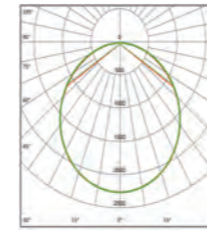


F00C01

## Mounting Options



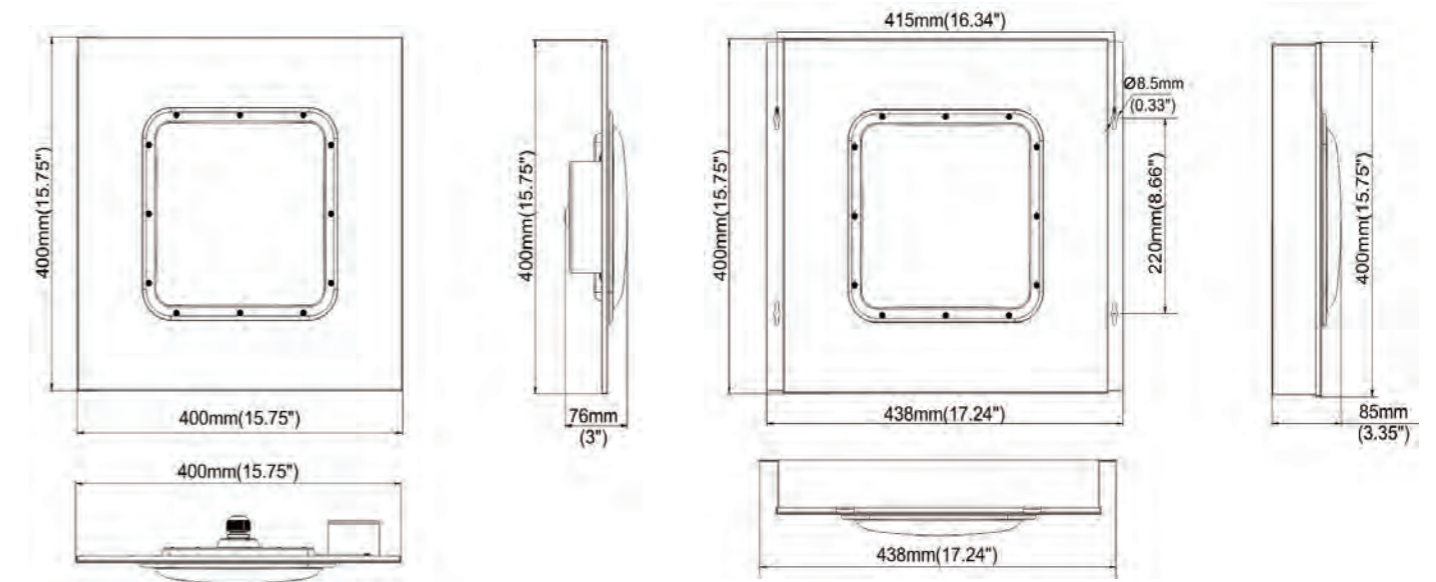Suspension Mounting    Recessed Mounting    Ceiling Mounting    Bracket Mounting

## Dimensions



**50W/70W**      **50W/70W(with ceiling frame))**

FL19

# Specifications - FL26 LED Portable Light

**Version: 3.1**

## Electrical Information

| | |
|---|---|
| Model No. | FL26-100 |
| Power Consumption （±5%) | 100W |
| Power Supply | SOSEN |
| Input Voltage | AC220-240V |
| Power Factor | ≥0.90 |
| Surge Protection | 6kV line-line, 10kV line-earth |
| Driver Type | Constant Current (CC) |
| Control | NA |

## Optic Information

| | |
|---|---|
| LED Type | LED 5050 |
| Luminous Flux (±10%) | 13000LM |
| Efficacy (@5000K Ra80) | 130LM/W |
| Correlated Color Temperature | 5000K (3000K, 4000K Optional) |
| Color Rendering Index | Ra80 (Ra70 Optional) |
| Beam Angle | F03601 |
| UGR level | NA |

## Description

FL26 is a portable LED lamp. High system efficiency and special designed optic lens provide the fixture excellent lighting uniformity. A stainless steel plate was well protective for the optic lens. The robust body has fixture pass IK10 test, which be a nice choice for construction and repair sites.

## Dimentions and Mount

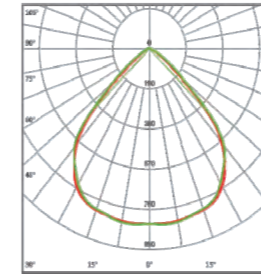| | |
|---|---|
| Product Dimension | 373×330×150mm |
| Luminaire Net Weight | 7±0.2kg |
| Export Carton Size | 460×400×215mm |
| Gross Weight | 8±0.2kg |
| Mounting Option | Bracket mounting |
| Material | Aluminum Alloy |
| | Polycarbonate Optical Lens |
| Finish | Powder Coating |
| Fixture Color | Black |
| EPA | NA |
| IK Rating | IK10 |
| IP Rating | IP66 |

## Key Features

- Compact size and easy to take.
- High output efficiency, up to 130lm/W.
- Excellent heat dissipation performance.
- Built-in 10KV Surge Protection helps the fixture safety.
- IK10 rating.
- 5 years warranty.

## Lifespan and Warranty

| | |
|---|---|
| Operating Temperature | -30°C to + 50°C |
| Life Time of LED @Ta=25°C | 60,000hrs-L90 |
| | 140,000hrs-L80 |
| | 230,000hrs-L70 |
| Warranty | 5 Years |

## Applications

- Construction site
- Decoration place
- Work shop

## New Features

*Please consult us for details.*

## Photometry



F03601

## Mounting Options



Bracket mounting

## Dimensions

**Unit: mm/inch**



330(12.99")
230(9.06")
40(1.57")
373(14.69")
100(3.94")
150(5.91")

## Electrical Information

| Model No. | LHB11-040 | LHB11-060 | LHB11-080 |
|---|---|---|---|
| Power Consumption(±5%) | 40W(±10%) | 60W | 80W |
| Power Supply | Philips Driver | | |
| Input Voltage | 220-240 VAC | | |
| Power Factor | ≥0.9 at Max Load | | |
| Surge Protection | 1KV line-line, 2KV line-earth | | |
| Driver Type | Constant Current (CC) | | |
| Control | dimmable, DALI, Microwave Sensor, PIR sesnor, Daylight sensor | | |
| | Zigbee Wireless Control, Emergency | | |

## Optic Information

| LED Type | LED 2835 | | |
|---|---|---|---|
| Luminous Flux (±10%) | 5800LM | 9000LM | 12000LM |
| Efficacy(5000K Ra80) | 145lm/W | 150lm/W | 150lm/W |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | |
| Color Rendering Index | Ra80 (Ra70 optional) | | |
| Beam Angle | L00C17(120°) | | |
| UGR level | NA | | |

## Dimentions and Mount

| Product Dimension | 647x97x89mm | 1247x97x89mm | 1547x97x89mm |
|---|---|---|---|
| Luminaire Net Weight | 1.38±0.2kg | 2.3±0.2kg | 2.76±0.2kg |
| Export Carton Size | 745x375x335mm | 1345x375x335mm | 1645x375x335mm |
| Gross Weight | 15.06±0.2kg(9pcs/ctn) | 23.97±0.2kg(9pcs/ctn) | 19.31±0.2kg(6pcs/ctn) |
| Mounting Option | Suspension Mounting, Ceiling Mounting | | |
| | Aluminum Alloy | | |
| Material | Polycarbonate Optical Lens | | |
| | Powder Coating | | |
| Finish | Milky white | | |
| Fixture Color | NA | | |
| EPA | IK08 | | |
| IK Rating | IP65 | | |
| IP Rating | IP65 | | |

## Lifespan and Warranty

| Operating Temperature | -30°C to 40°C |
|---|---|
| Life Time of LED @Ta=25°C | 47,000hrs-L90B50 |
| | 99,000hrs-L80B50 |
| | 158,000hrs-L70B50 |
| Warranty | 5 Years |

## Description

LHB11 is a high quality and durability water-proof, dust-proof and corrosion-proof LED Lighting Product. It could be used in a wide variety of industrial and commercial environments such as car wash operations, maintenance areas, parking garages, stairwells and warehouses. It can be link-able, dimmable, with motion sensor and emergency working.

## Key Features

- 600mm: 20W-30W; 1200mm: 40W-50W; 1500mm: 60W-80W
- 130lm/w or 150lm/w
- IP65 & IK08
- Easy access to terminal blocks ensure fast and flexible installation
- It can be linkable, max. 10-12no. fittings per daisy-chain
- 0-10V/ PIR/ Microwave sensor/ Zigbee/Dali/ Emergency function are available

## Applications

- Supermarket
- Warehouse / Factory
- Office
- Garage
- Railway / Bus / MTR Station
- RAirport
- Exhibition Hall

## New Features
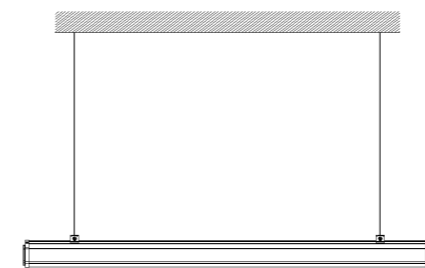
*Please consult us for details.*

CE RoHS

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## Photometry



L00C17(120°)

## Mounting Options



Suspension Mounting

Ceiling mounting

## Dimensions



| POWER | A(mm/in) | B(mm/in) | C(mm/in) |
|---|---|---|---|
| 40W | 600(23.62") | 647(25.47") | 694(27.32") |
| 60W | 1200(47.24") | 1247(49.09") | 1294(50.94") |
| 80W | 1500(59.05") | 1547(60.91") | 1594(62.75") |

A-Length of the body;
B-Length of the body with single connector;
C-Length of the body with double connectors.

## Accessories

**Suspension kit**
304 stainless steel, available for 2m long.

Code: SL-L11-01

2pcs

**Ceiling Mounting Bracket**
SPCC stainless steel.

Code: BC-L11-01

2pcs

**Zigbee gateway**
1pcs can control 100pcs fixtures.

**Zigbee microwave motion sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

LHB11

**Zigbee daylight sensor**
An optional sensor control for Zigbee system, 100-277Vac input, IP65 rating.

**Daylight sensor**
On-off function only.

**PIR sensor**
On-off function only.

**Microwave motion sensor**
On-off function only.

CE  emc  SAA

### Electrical Information

| Model No. | FL23-050 | FL23-100 | FL23-150 | FL23-200 | FL23-300 |
|---|---|---|---|---|---|
| Power Consumption(±5%) | 50W | 100W | 150W | 200W | 300W |
| Power Supply | DONE | SOSEN | | | |
| Input Voltage | 220-240VAC, 50 / 60 Hz | | | | |
| Power Factor | >0.90 | >0.95 | | | |
| Surge Protection | 6kV line-line, 6kV line-earth | 6kV line-line, 10kV line-earth | | | 6kV line-line, 12kV line-earth |
| Driver Type | Constant Current (CC) | | | | |
| Control | 1-10V dimmable, DALI dimmable | | | | |

### Optic Information

| LED Type | SMD 3030 | | | | |
|---|---|---|---|---|---|
| Luminous Flux (±10%) | 6500LM | 13000LM | 19500LM | 26000LM | 39000LM |
| Efficacy(5000K Ra70) | 130LM/W | | | | |
| Correlated Color Temperature | 5000K (3000K, 4000K optional) | | | | |
| Color Rendering Index | Ra70 (Ra80 optional) | | | | |
| Beam Angle | F06401, F06402, F06403, F06404 | F12801, F12802, F12803, F12804 | F19201, F19202, F19203, F19204 | F22401, F22402, F22403, F22404 | F38401, F38402, F38403, F38404 |
| UGR level | / | | | | |

### Description

In seaside application, wet air with salt water threaten normal LED luminaire lifespan, anti-corrosion is always the problem that LED light manufacturer should consider. FL23 LED flood light anti-corrosion version is aiming to seaside application. Based on normal features such as multiple beam angle options, full wattage from 50W-300W, best cost-effective with different size of molds. It is specially adopted double surface treatment to provide excellent anti-corrosion ability, FL23 anti-corrosion version will be a real product for seaside application.

### Dimentions and Mount

| Product Dimension | 267×228×55mm | 314×269×61mm | 360×302×67mm | 398×343×70mm | 470×406×80mm |
|---|---|---|---|---|---|
| Luminaire Net Weight | 1.8kg | 2.8kg | 3.9kg | 5.3kg | 8.1kg |
| Export Carton Size | 320×110×265mm | 390×115×315mm | 430×120×345mm | 470×125×385mm | 545×135×450mm |
| Gross Weight | 2.1kg | 3.2kg | 4.4kg | 5.9kg | 8.8kg |
| Mounting Option | Bracket Mounting / Pole Mounting | | | | |
| Material | Aluminum Alloy, Stainless steel bracket | | | | |
| | Tempered Glass, Polycarbonate Optical Lens | | | | |
| Finish | Electrophoresis, Powder coating | | | | |
| Fixture Color | Luminaire body and bracket: gray color(C30776S0JP) | | | | |
| | Tempered glass: gray color | | | | |
| EPA | 0.49ft² | 0.71ft² | 0.91ft² | 1.18ft² | 1.73ft² |
| IK Rating | IK08 | | | | |
| IP Rating | IP66 | | | | |

### Key Features

· External vent/Respirator: Avoid internal fogging and frosting.
· Private tooling in unique and nice outlook.
· Wide choice of optics to suit more applications (asymmetrical and symmetrical).
· Uniform design covering the best sellers 50W-100W-150W-200W-300W
· Electrophoresis and powder coating, double surface treatment.
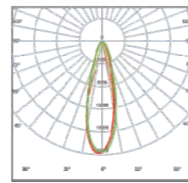· Stainless steel bracket, well anti-corrosion performance.

### Lifespan and Warranty

| Operating Temperature | -30°C to + 50°C |
|---|---|
| Life Time of LED @Ta=25°C | 67000hrs-L70 |
| Warranty | 5 Years |

### Applications

· Seaside
· Swimming pool
· For recreational sports (tennis courts, basketball courts…)
· Exhibition Center
· Shopping Mall
· Stadium
· Accent lighting
· Parking lots

### New Features

*\* Please consult us for details.*

FL23

## Photometry
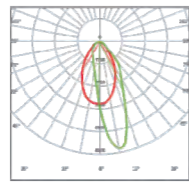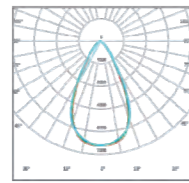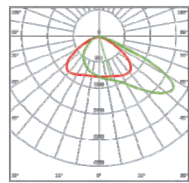
| | | | |
|---|---|---|---|
| 50W beam angle: | F06401 | F06402 | F06403 | F06404 |
| 100W beam angle: | F12801 | F12802 | F12803 | F12804 |
| 150W beam angle: | F19201 | F19202 | F19203 | F19204 |
| 200W beam angle: | F22401 | F22402 | F22403 | F22404 |
| 300W beam angle: | F38401 | F38402 | F38403 | F38404 |

370mm (14.57")
406mm (15.98")
382mm (15.04")
365mm (14.29")
470mm (18.5")

382mm (15.04")
φ11mm (0.43")
80mm (3.15")
11mm (0.43")
181mm (7.13")
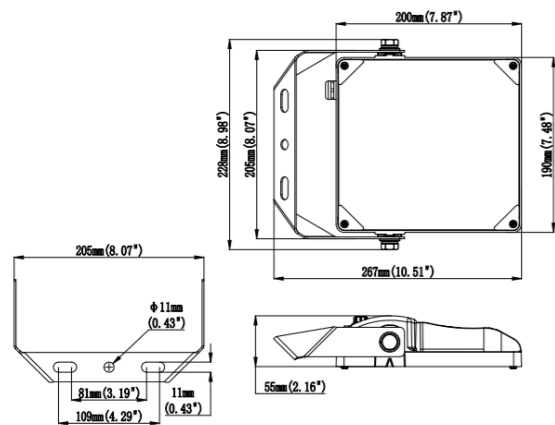239mm (9.41")
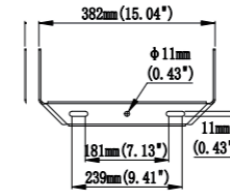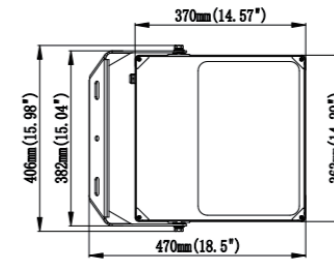
**300W**

## Mounting Options

Bracket mounting

Pole mounting

## Accessories

## Dimensions

200mm (7.87")
228mm (8.98")
205mm (8.07")
190mm (7.48")
267mm (10.51")

205mm (8.07")
φ11mm (0.43")
81mm (3.19")
11mm (0.43")
109mm (4.29")
55mm (2.16")

**50W**

240mm (9.45")
269mm (10.59")
246mm (9.69")
230mm (9.06")
246mm (9.69")
314mm (12.36")

φ11mm (0.43")
121mm (4.76")
11mm (0.43")
163mm (6.42")
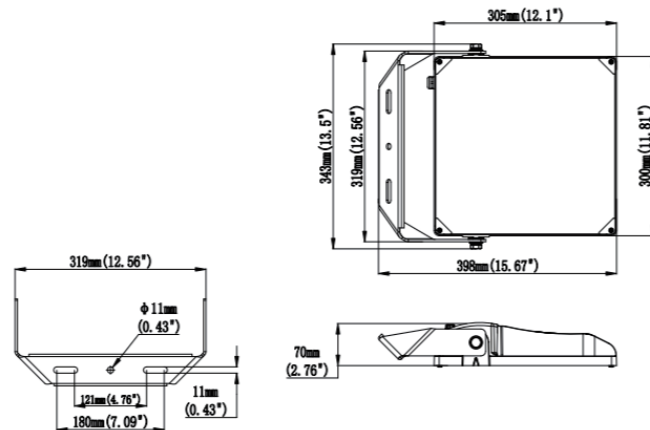61mm (2.4")

**100W**

270mm (10.63")
302mm (11.89")
278mm (10.94")
260mm (10.24")
278mm (10.94")
360mm (14.18")

φ11mm (0.43")
121mm (4.76")
11mm (0.43")
170mm (6.69")
67mm (2.64")

**150W**

305mm (12.1")
343mm (13.5")
319mm (12.56")
300mm (11.81")
319mm (12.56")
398mm (15.67")

φ11mm (0.43")
121mm (4.76")
11mm (0.43")
180mm (7.09")
70mm (2.76")

**200W**

FL23