



ALINA LIGHTING SOLUTIONS

# OUTDOOR LED LIGHTING CATALOG



## WHY CHOOSE ALINA FOR YOUR LIGHTING SOLUTIONS

We are committed to excellence.

Alina Lighting Solutions is a global provider of high-quality lighting products and comprehensive services for the residential, commercial and industrial markets. We focus on our customers.

Our experience consistently provides superior solutions.

We continue our growth, making sure all customers' needs are always fulfilled.

We are much more than a lighting supplier; Alina Lighting provides customized solutions and services designed to ensure that projects are completed on-time and within budget.





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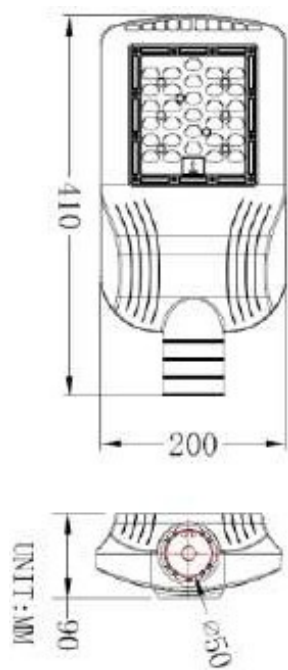
- 4. LED Street Lights Series I.
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LED STREET LIGHTS SERIES I

30W-180W / 150°65°

LUXEON 5050  
160lm/W  
LUXEON 3030  
130lm/W



Ø 50/60mm



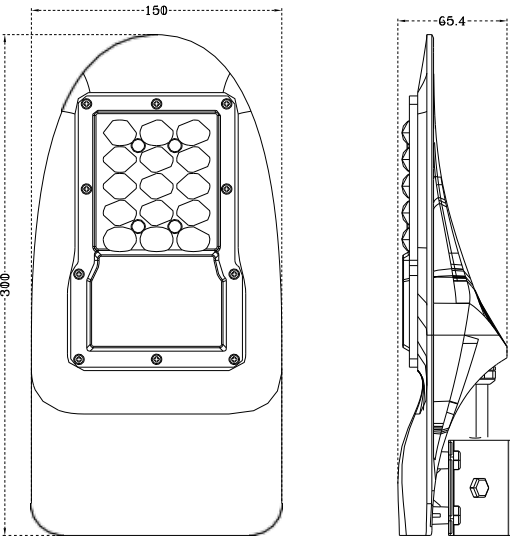
Model	LY-ST20030XX	LY-ST10030XX	LY-ST20060XX	LY-ST10060XX	LY-ST20100XX	LY-ST10100XX	LY-ST20150XX	LY-ST10150XX
Power	30W	30W	60W	60W	100W	100W	150W	150W
Chip brand	LUXEON 3030	LUXEON 5050	LUXEON 3030	LUXEON 5050	LUXEON 3030	LUXEON 5050	LUXEON 3030	LUXEON 5050
Current	0.14A/220V	0.14A/220V	0.29A/220V	0.29A/220V	0.48A/220V	0.48A/220V	0.72A/220V	0.72A/220V
Luminous Efficiency	140lm/W	168lm/W	130lm/W	160lm/W	145lm/W	163lm/W	130lm/W	163lm/W
Luminous Flux IP	4200lm	5040lm	7800lm	11060lm	14500lm	16300lm	19500lm	24450lm
Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65



# LED STREET LIGHT SERIES II

## IP66 PERFORMANCE PARAMETERS

Input Voltage	AC100~240V 50/60Hz
Power	40W~180W
Beam Angle	Type I / II / III / IV / V
Power factor	≥0.98
Power efficiency	≥90%
Luminous efficiency	≥160lm/W CRI>70
CCT :	2700-3000K / 4000-4500K / 5000-6500K



Operational Condition Temperature : -30°C~60°C Humidity : 10%~90%RH



LUXEON 5050  
160lm/W

LY-ST50020PW	20W	0.10/220V	162lm/W	3240	IP66
LY-ST50025PW	25W	0.12/220V	160lm/W	4000	IP66
LY-ST50030PW	30W	0.14/220V	160lm/W	4800	IP66



# PHOTOCELL SENSOR LY-LS200

## LED INTELLIGENT CONTROL DALI CONTROLLER

DALI 64

With RS232 communication interface; Support a DALI bus, most allow linking 64 DALI lighting equipment; 2.200 RS485.

Supports RS485 extension connection DALI gateway function, up to 250 DALI gateway can be connected, Each gateway can connect 64 lights equipment, most can control 16000 individual lights;

DALI POWER

With DALI POWER individual output interface, more flexible compatibility; Gateway status monitoring function with the brightness of the lights and condition monitoring functions.

## MICROWAVE MOTION SENSOR:

-10v Automatic dimming when used in combination with 1-10V dimmable LED drivers or ballasts.

1-10v Built-in adjustable daylight sensor.1-10V interface can match up with Leyond stand-alone daylight sensor LY01 and achieve daylight harvesting.

3. Detection area, time delay and daylight threshold can be precisely set via DIP switch.

## PHOTOCELL SENSOR:

- Meet stringent utility standards for street and highway lighting; Delayed response prevents switching due to light from vehicles, lightning.
- Longer life extends the maintenance cycle for photo-controls mounted in difficult locations.
- Positive electronic switching provides quick made/break of the load relay eliminating relay chatter.
- Regulated voltage and silicon photocell maintain accurate turn on /off points of the life of the control.
- Low power consumption through a unique regulator circuit. Resulting low internal temperature rise contributes to long life.





# PHOTOCELL SENSOR LY-LS200

## PERFORMANCE PARAMETERS

Turn-On Light Level	Turn-Off Light Level	Optional Range of Turn On to Turn Off Ratio	Turn-On Time Delay	Turn-Off Time Delay	Operating Temperature	Relay	MOV Surge Protection	Energy Consumption	Electrical Life	Sensor Type	Housing	Failure Mode	Size
10 Lux or at customer's request	30Lux or at customer's request	1:1.5 to 4	3-15s	3-15s	-40°C to +70°C	30A	90J, 160J, 320J, 360J (4 options)	Less than 1Watt (120V<0.5W)	5,000 operations at ANSI specified load test levels	Silicon Photocell	UV stabilized impact resistant polycarbonate (PC)	Fail On (standard), Fail Off (for your option)	74mm (suitable for North America market), 80mm

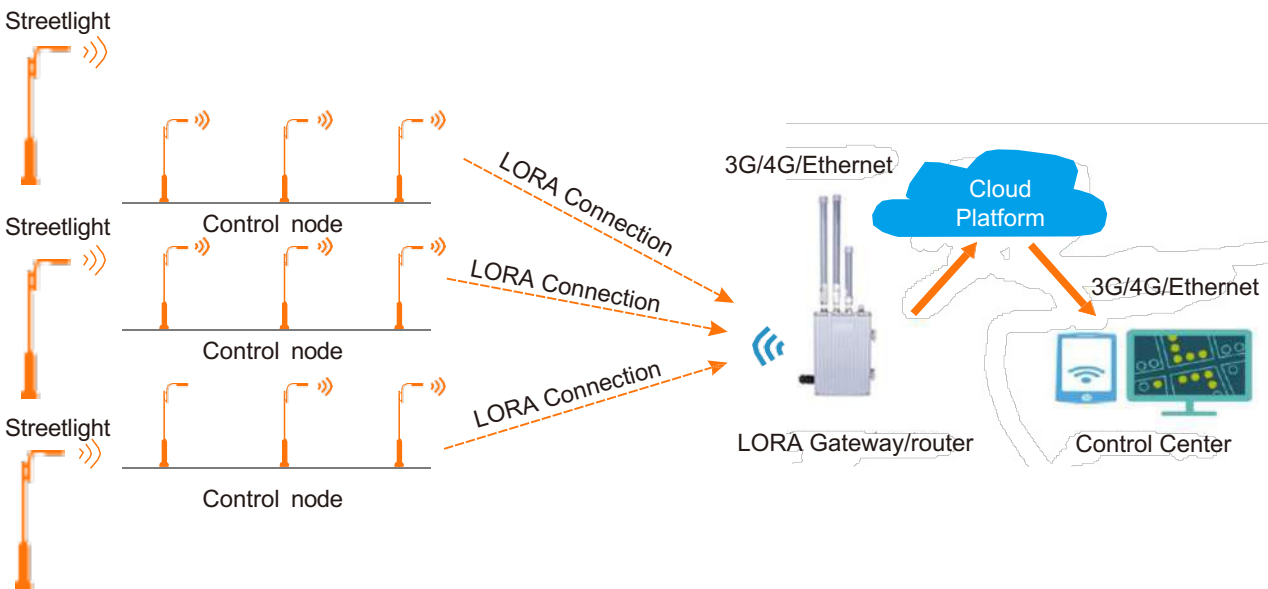
## INTELLIGENT IORAWAN CONTROL SYSTEM

Functional Characteristics

The lorawan control system complies with the LoRaWAN Specification 1.0.1 ClassC standard issued by the LoRa Alliance for easy and fast access to LoRaWAN networks. It has low power consumption, long transmission distance, strong anti-interference and so on.

LoRaWAN LED street light control system includes lighting controller,lighting controller receptacle, gateways, system control cloud platform.

LYD10-LoRa-NEMA street light controller inside contains current and voltage measurement circuit, which can collect the load status of street light controller in real time, greatly reduce the work pressure of street light management department and improve work efficiency, thereby significantly improving social energy-saving benefits.





# SURGE PROTECTION DEVICE

## PERFORMANCE PARAMETERS

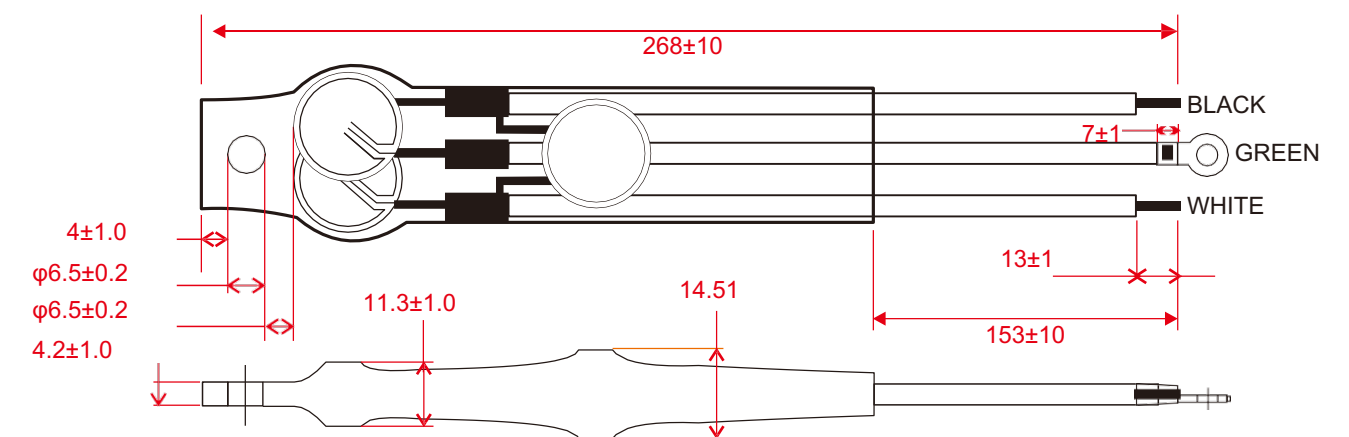
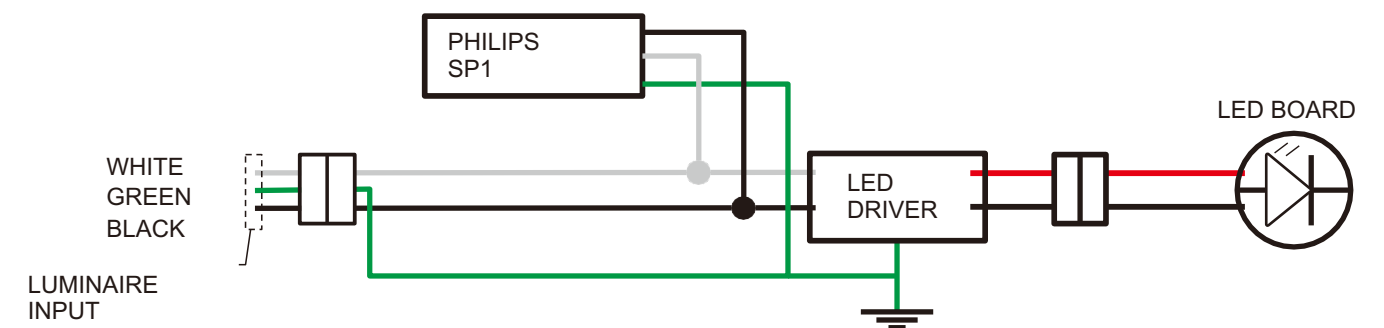
Voltage Input	120~277V(±5%)
Frequency	50Hz~60Hz
Clamping Voltage	320V
Maximum Energy	430Joules
Maximum Peak Current	10kA(8/20μs standard wave)
Wiring	14 Gauges stranded wires, 105°C, 600V
Wire Connections Black and white	12mm skinned and thin plated
Mounting hole	5.5mm

## THE BASIC FEATURES OF SURGE PROTECTION DEVICE ARE

1. The protection has large flow rate, low residual pressure and fast response time
2. The use of the latest arc extinguishing technology, to avoid fire
3. Using temperature control protection circuit, built-in thermal protection
4. With power status indication, indicating the state of surge protector
5. Strict structure, stable and reliable work

Adapted to SSL outdoor lighting, The Philips SP1 surge protection device provides single phase protection for line/neutral, line/ground and neutral/ground in accordance with IEEE C62.41 2002 C High. The SP1 small size corresponds to the current design requirements for the new technology luminaires, like a LED light engine in outdoor lighting.

It is applied to all kinds of electronic equipment, instruments and meters, communication lines.



UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MILLIMETER(mm)



# ALL IN ONE BI-FACIAL LED SOLAR STREET LIGHT

## CONTENT

- 01 Integrated structure Design
- 02 Product Advantages
- 03 Featured Technologies
- 04 Working Modes
- 05 Light Distributions
- 06 Dimensions
- 07 Parameters
- 08 Applications





# ALL IN ONE BI-FACIAL LED SOLAR STREET LIGHT

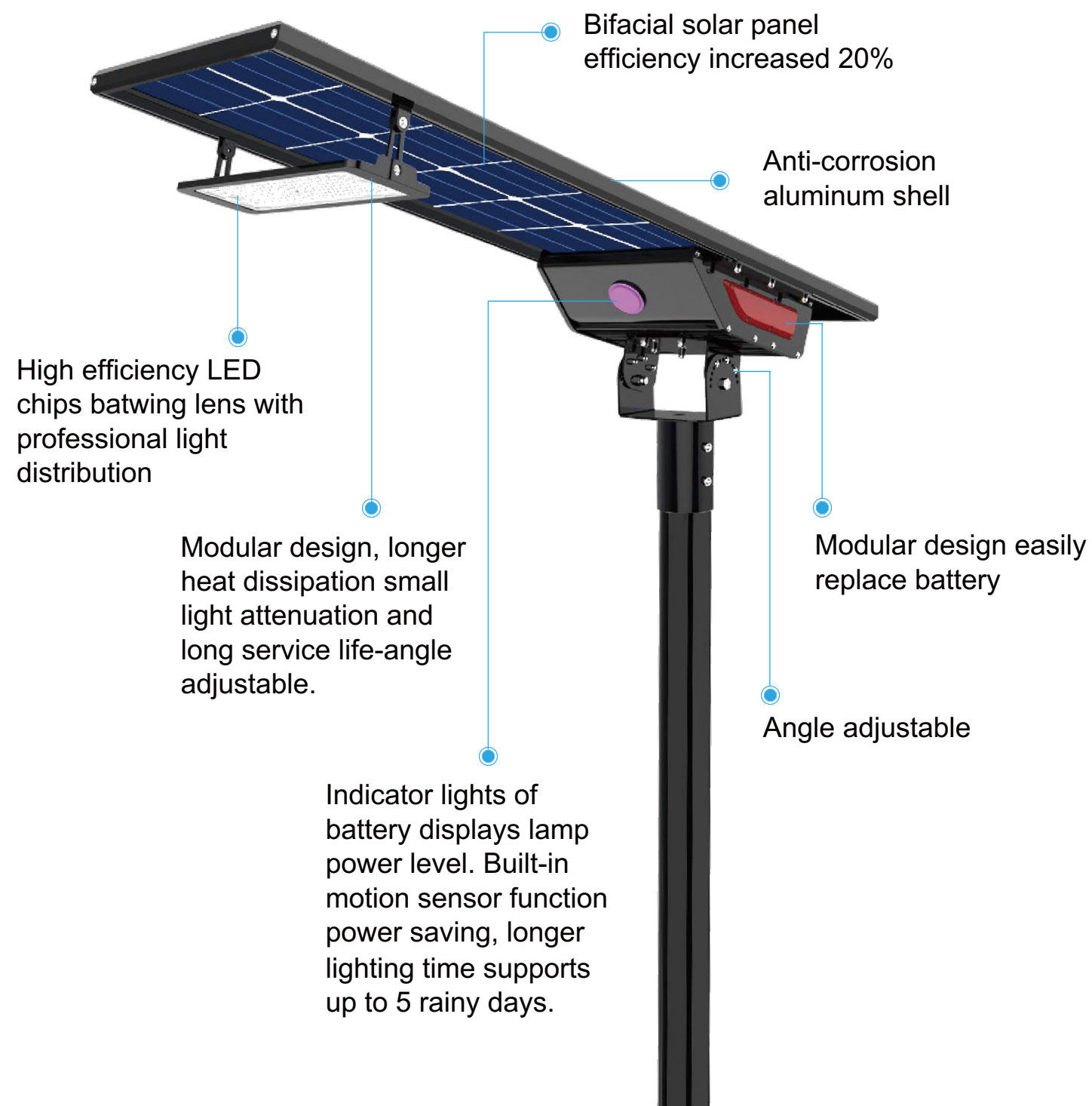
## 01 INTEGRATED STRUCTURE DESIGN





# ALL IN ONE BI-FACIAL LED SOLAR STREET LIGHT

## 02 PRODUCT ADVANTAGES





# ALL IN ONE BI-FACIAL LED SOLAR STREET LIGHT

## 03 FEATURED TECHNOLOGIES



**Patented Appearance:** Integrated design of solar panel, microprocessor controller, lithium battery and high-efficiency LED light source.



**Modular Design:** Modular Design of battery and Led chip, transportation, installation and maintenance are more economical and simpler.



**Proprietary control system:** Road Smart self-developed solar controller can adjust for different working modes easily, unique. Control system with more functions, stability is stronger. Option of microwave induction function to save power and have increased lighting time.



**Fourth generation Intelligent power control:** Upgraded intelligent power control functions to regulate discharge power according to intelligent judgement of recent weather conditions, supports increased lighting time through more rainy days.



**Intelligent high- efficiency LED chips:**  
3030 LED chips. Optimized brightness, total efficacy is greater than 160lm/w.



**Intelligent charge and discharge management:**  
Double protection of charging and discharging by software and hardware, intelligent equalization technology, cycle charging and discharging more than 2000 times.



**Professional light distribution design:**  
Equipped with patented lens system for better light distribution area.



**Battery Capacity Indicator lights:**  
Battery capacity indicator lights display current power level.



**Rotating angle design**  
The illumination area and light angle can be adjusted according to the width of the road.





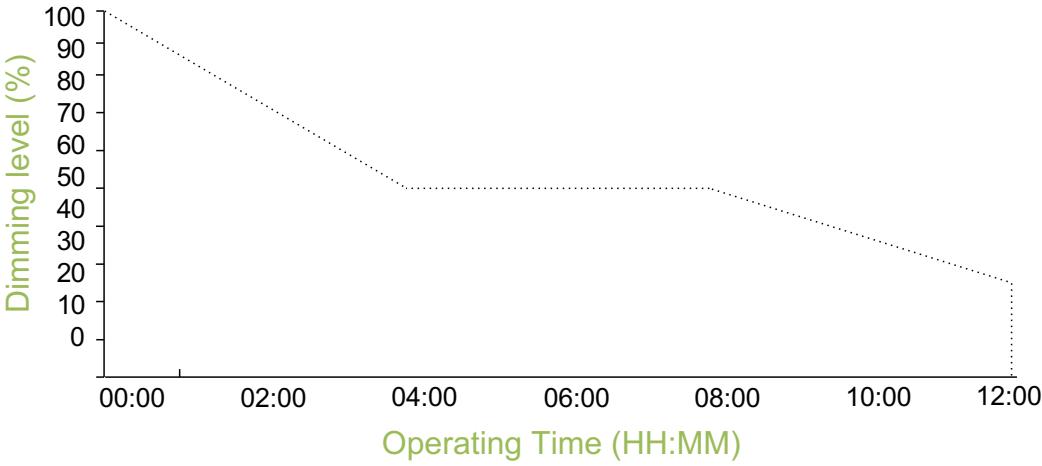
# ALL IN ONE BI-FACIAL LED SOLAR STREET LIGHT

## 04 WORKING MODES

### WORKING MODES RADAR SENSING +LIGHT CONTROL

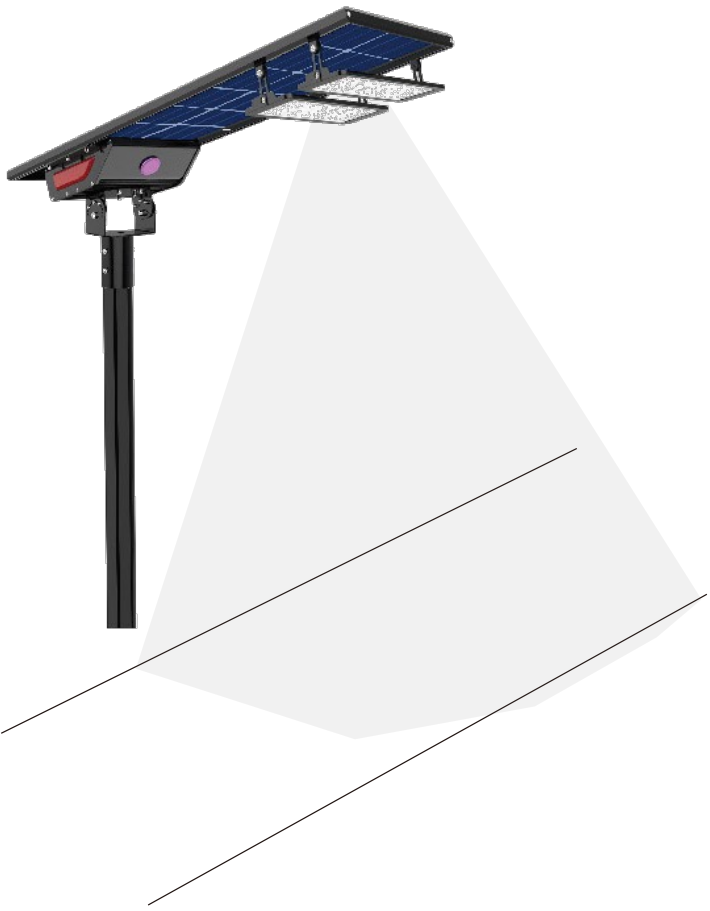
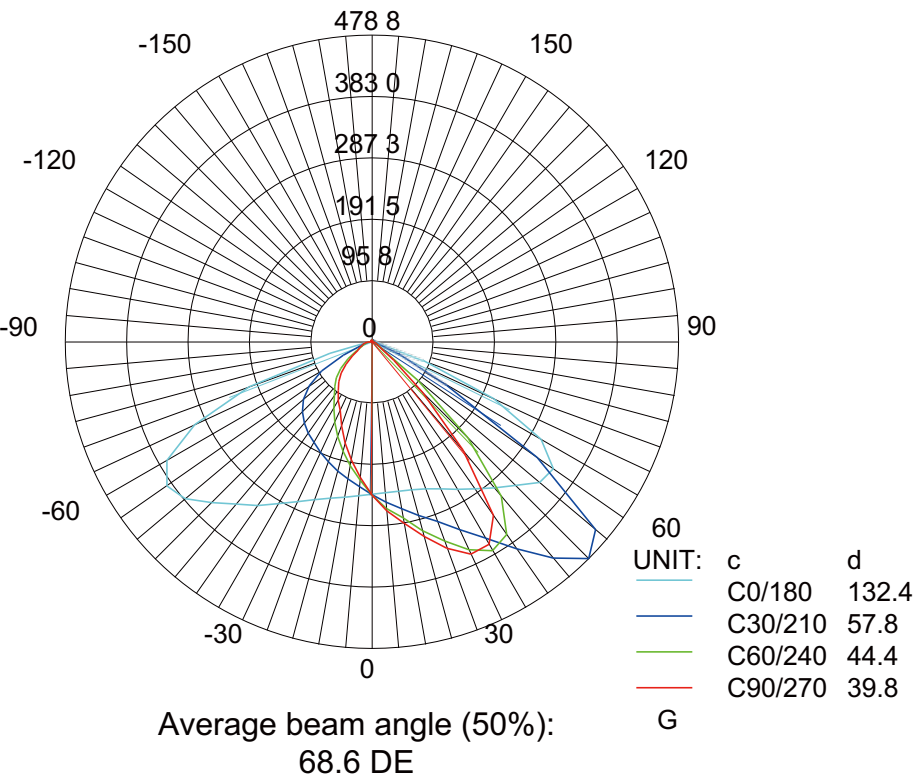
Solar-powered streetlamp provides the adaptive proportion dimming profile for the output constant current level to perform up to 12 consecutive hours.

The light is on for 12 hours every day. In the first four hours. The power decreases gradually, in the second four hours, the power is maintained at 50%, and in the third four hours, the power is maintained at 25%



## 05 LIGHT DISTRIBUTIONS

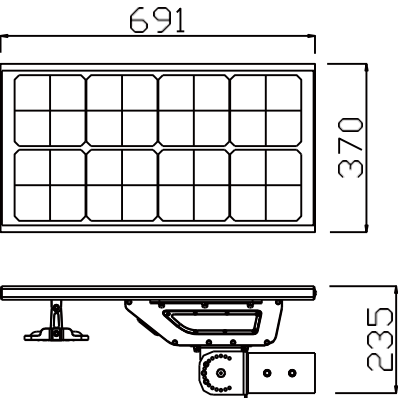
Luminous intensity distribution curves.



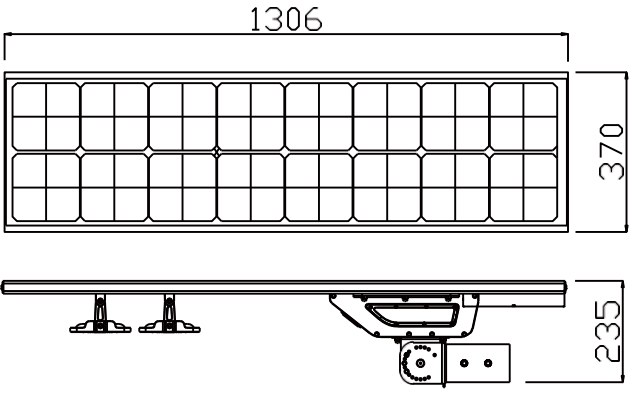


ALL IN ONE BI-FACIAL LED SOLAR STREET LIGHT

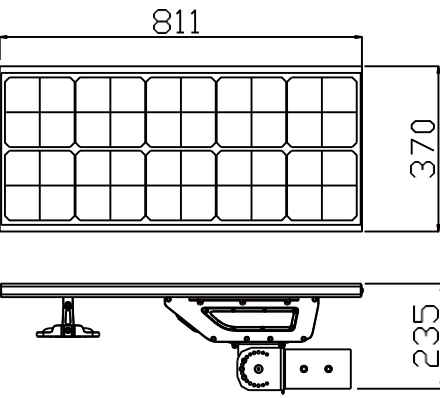
06 DIMENSION



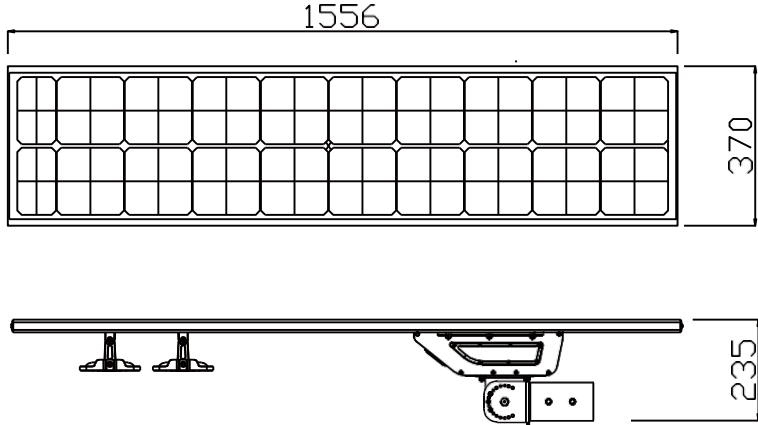
SSL-30W



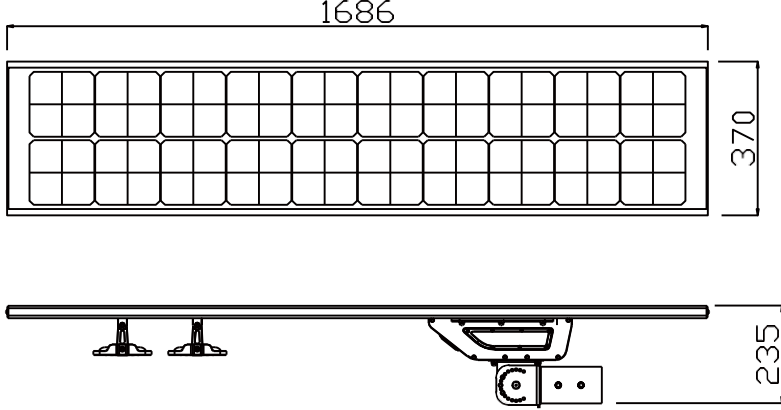
SSL-60W



SSL-40W



SSL-80W

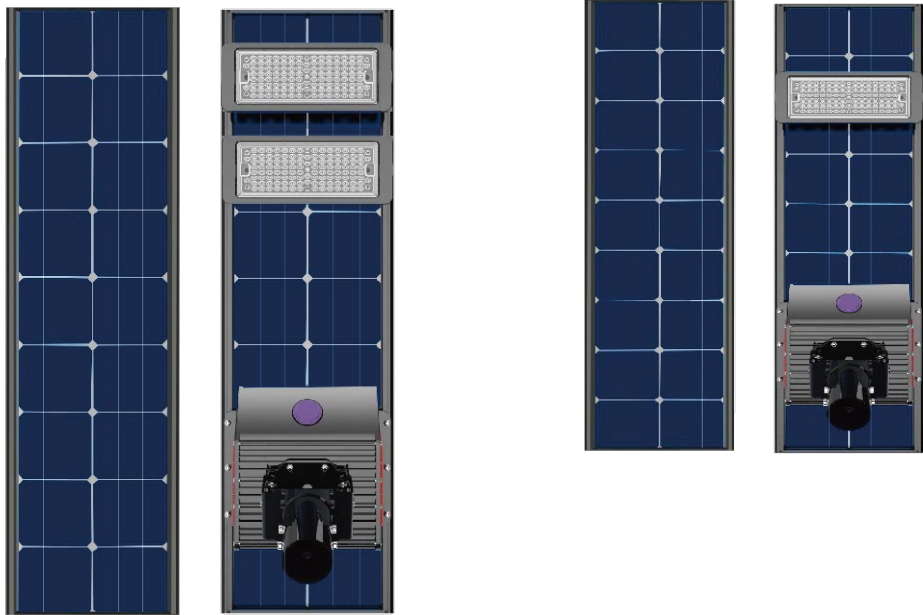


SSL-100W/120W



ALL IN ONE BI-FACIAL LED SOLAR STREET LIGHT

07 PARAMETER



PACKAGING

Model	G.W	CBM
HS-SSL-30	12.5KG	L730mm*W390mm*H220mm
HS-SSL-40	14.5KG	L850mm*W390mm*H220mm
HS-SSL-60	16.5KG	L1360mm*W390mm*H220mm
HS-SSL-80	20.5KG	L1600mm*W390mm*H220mm
HS-SSL-100	23.5KG	L1730mm*W390mm*H220mm
HS-SSL-120	25.5KG	L1730mm*W390mm*H220mm

Model	HS-SSL-30	HS-SSL-40	HS-SSL-60	HS-SSL-80	HS-SSL-100	HS-SSL-120
Solar panel	40W*2/18V	50W*2/18V	80W*2/18V	100W*2/18V	105W*2/18V	108W*2/18V
LiFePO4 battery	192WH	307WH	460WH	537WH	615WH	768WH
Luminous flux Lamp power	5100LM 30W	6800LM 40W	10200LM 60W	13600LM 80W	17000LM 100W	20400LM 120W
LED qty	120pcs	120pcs	240pcs	240pcs	360pcs	360pcs
Lifespan of LED		50000 hrs				
Color temperature		3000-6500K				
Light distribution		Batwing lens with polarized light				
Lighting time		5-7 rainy days				
Working temperature		- 20℃~60℃				
Top diameter of pole		60MM			76MM	
Mounting height		7-10m				
Installation spacing		20-40m				



# ALL IN ONE BI-FACIAL LED SOLAR STREET LIGHT

## 08 APPLICATION





## SHOE BOX AREA LIGHT F SERIES

### LED AREA LIGHT

#### PRODUCT OVERVIEW

The Shoebox Light is an impressive blend of performance, value and aesthetics. It is available in a wide range of lumen packages to meet a variety of outdoor lighting needs, including campus and parking lot applications.

The area luminaire can be combined with a complete, architecturally sophisticated LED family to create a total solution for commercial, municipal, retail, education and hospitality applications. The optional visual comfort optic distributes light through a non-pixelated light source that produces uniform, eye-friendly illumination with minimal glare.

The high-performance, IP65-rated luminaire delivers a minimum of 140 lumens per watt, resulting in significant energy savings while ensuring long service life in the field.

#### FEATURES

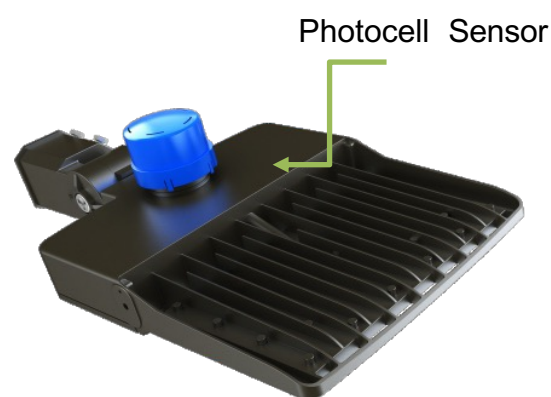
Power adjustable: 50/80/100W; 80/100/150W; 100/150/200W; 200/250/300W.

CCT tunable: 3000/4000/5000K or 4000/5000/6000K.

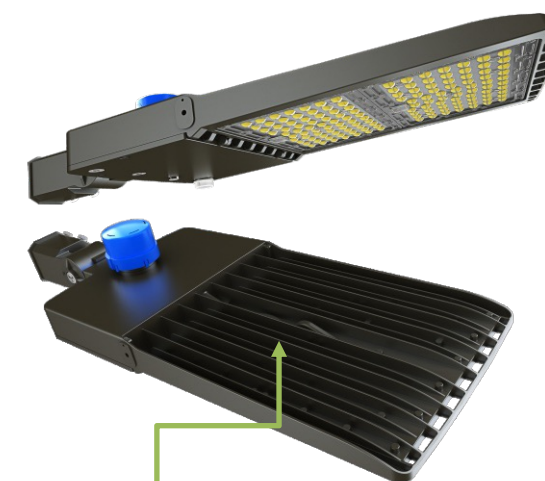
Motion sensor and daylight sensor available. Lumen packages ranging from 7000lm to 42,000lm.

Comes with multiple bracket options, 5-year warranty on the entire luminaire. 10/20 kV surge suppression standard

Available in Type II, Type III, Type IV, and Type V optics



This photocell sensor could be replaced by a shorting cap



CB LVD



EMC



ALINA LIGHTING SOLUTIONS



SHOE BOX AREA LIGHT F SERIES

TECHNICAL INFORMATION

Model	F1	F2	F3	F5
Wattage (Adjustable)	50W/80W/100W	80W/100W/150W	100W/150W/200W	200W/250W/300W
Light Efficiency	140 lm/W			
Input Voltage	AC100-277V/AC277-480V			
Power Frequency	50/60Hz			
Power Efficiency	94%			
Power Factor	0.95			
Heat Radiator	Die-Cast Aluminum			
Beam Angle	T2 T3 T4 T5			
LED Type	3030/2835			
CRI	70 / 80			
CCT (Tunable)		3000K/4000K/5000K 4000K/5000K/6000K		
Working Lifespan		>50000 hours		
IP Rating	WET LOCATION AND IP65			
Surge Protection	10/20 kV(optional)			
Carton Dimensions (SF Bracket)	577x282x146mm 22.7x11.1x5.7inch	600x380x130mm 23.6x15x5.1inch	625x380x130mm 24.6x15x5.1inch	890x405x125mm 35x16x5inch
Carton Dimensions (AAM Bracket)	515x282x146mm	600x380x130mm	645x380x130mm	890x405x125mm
	20.3x11.1x5.7inch	23.6x15x5.1inch	25.4x15x5.1inch	35x16x5inch
Net Weight	3.6kg/7.9lbs	5kg/11lbs	5.2kg/11.5lbs	6.5kg/14.3lbs
Gross Weight	4.8kg/10.6lbs	6.5kg/14.3lbs	6.7kg/14.8lbs	8.5kg/18.7lbs





# SHOE BOX AREA LIGHT F SERIES

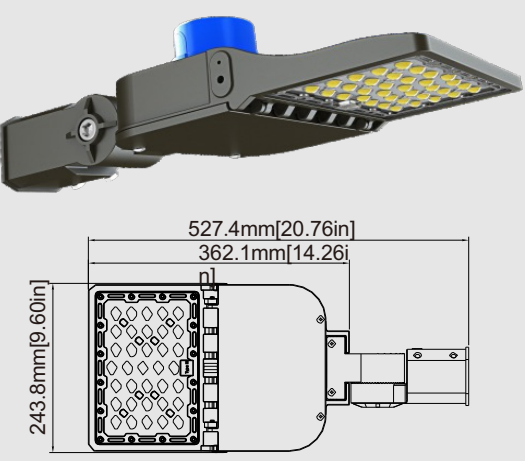
## CATALOG NUMBER LOGIC

**SB - xxxW - Fx - YZD**

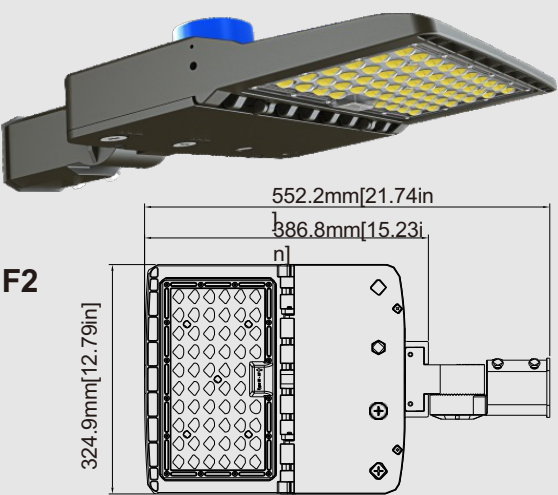
1                  2                  3                  4

- 1. PRODUCT NAME
  - Shoe Box
- 2. WATTAGE
  - 50W/80W/100W
  - 80W/100W/150W
  - 100W/150W/200W
  - 200W/250W/300W
- 3. MODEL NO.
  - F1/F2/F3/F5
- 4. DIMMING OPTION, CCT&BEAM ANGLE
  - Y=D: Dimmable
  - Y=N: Non-dimmable
  - Z=CCT, 27=2700K, 30=3000K
  - Z=CA: Color Adjustable
  - D=T1, T2, T3, T4

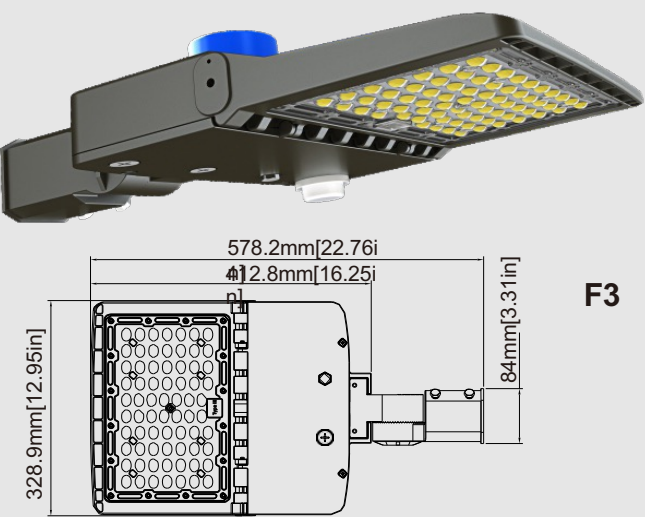
Dimension:  
Unit: inch/mm



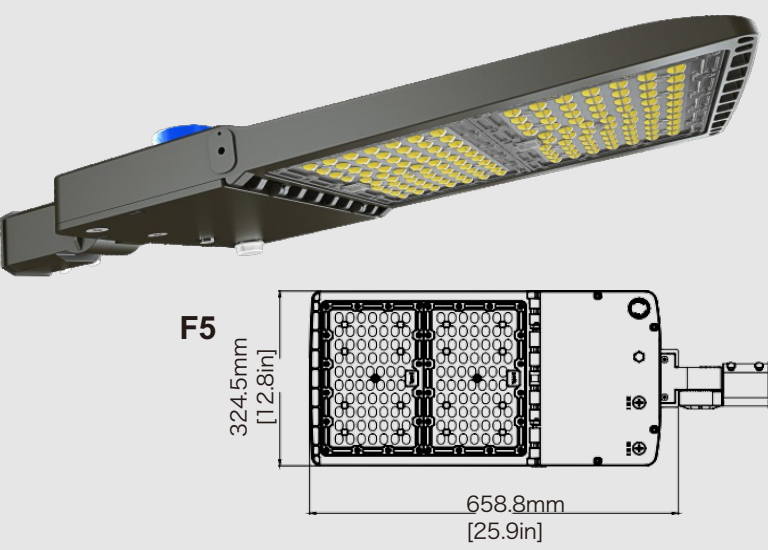
F1



F2



F3



F5



# SHOE BOX AREA LIGHT F SERIES

## ACCESSORIES



Adjusted Arm Mounting Kit



Arm Mounting Kit



Slip Fitter



Trunnion Mounting Kit

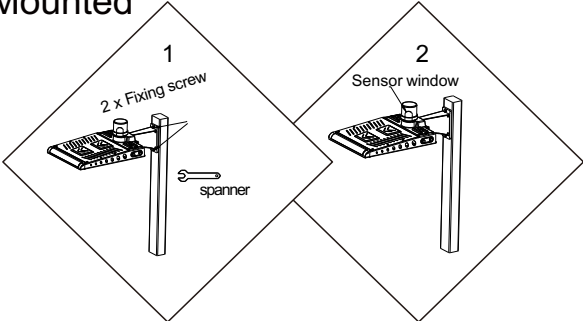


Bracket

## INSTALLATION GUIDANCE

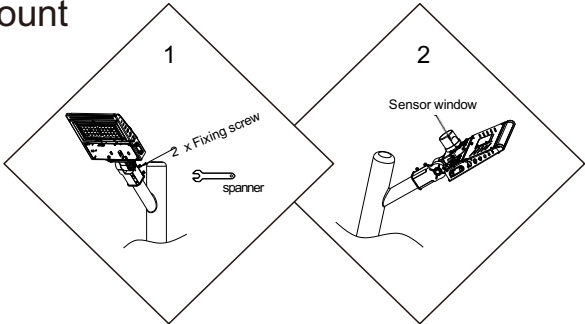
Tighten 2 x Fixing screws by spanner, ensure to add star washer avoid the screws will loose.  
Turn on the power to test shoe box light, but you need to cover the sensor window if there is sunshine.

### Arm Mounted



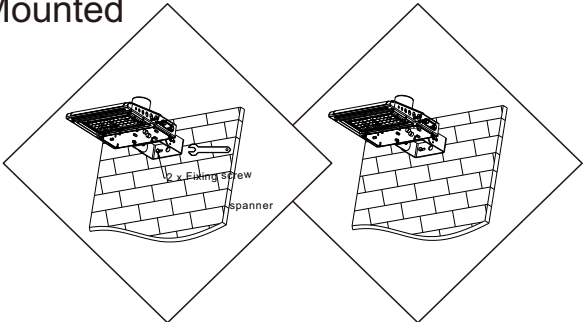
Drill holes on the square pole corresponding to the holes on the arm and use the bolt and nut plate to fix the fixture to the pole tightly.  
Connect the AC wire of the fixture and tighten the water-proof gasket and cover plate on the arm by screws, then power on.

### Slip Mount



Slip fitter mounts are very easy to install as they usually slide over standard 2 3/8-inch lighting poles.  
The biggest advantage of slip fitter mounts is that they give you the ability to angle the light inwards.  
They have adjustable heads. They enable you to move the heads to the position you desire.

### Trunnion Mounted



These are versatile mounts and fit at the bottom of the LED Shoe Box lights.  
They borrow their design from the mounts that are generally used on flood lights (yoke mounts).  
They are the go-to mounts for unique applications.



# LED AREA SERIES POST TOP

## POWER / COLOR ALL IN ONE

### PRODUCT DESCRIPTION

The area series has the high-performance solution for the most demanding applications within a unique design. With different precision refractive optical lens and an easy-install design, it can be used in many applications such as pedestrian street, factory, schools, garden, courtyard, hotel, parking lot, public parks, etc.

### FEATURE

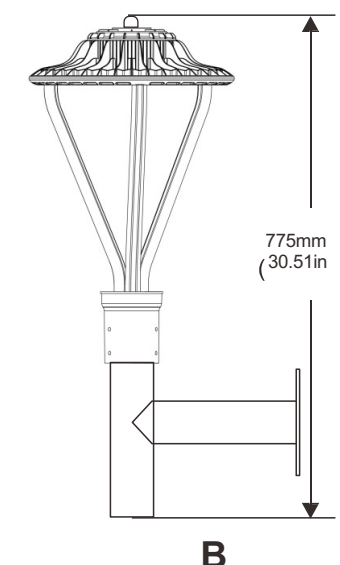
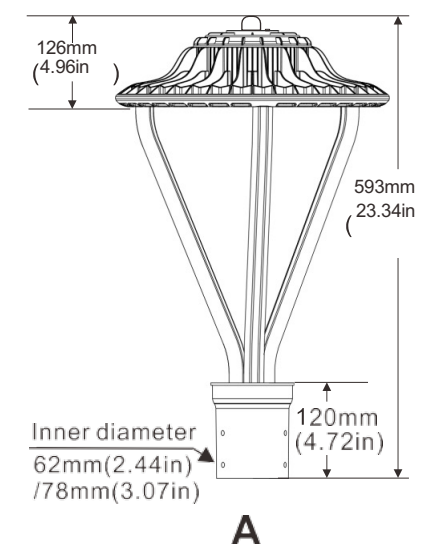
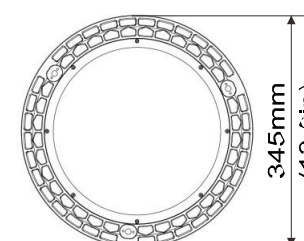
- Air cooling design
- IP67 rated enclosure
- Post top or Pendant Mounting
- Superior low-glare illumination
- Optional with photocell
- Optional black, white or bronze color

Notes: Customers can choose a lamp with a baffle as needed.  
Special order-ask customer service.

\*If the costumer does not specify a requirement, the inner diameter defaults to 62mm



Adjustable power  
Adjustable color temperature





LED AREA SERIES POST TOP

ORDERING INFORMATION

Area series	Watts	Version	CCT	Voltage	Control	Installation	Beam Angle	Color
BB-LD	30W/50W/75W (All in one)	3 in 1	Blank	Blank - 100-277VAC	Blank - Photocell Sensor	Blank - 2.4"(62mm)pole	Blank - TypeV	Blank - Bronze
			3000K				T2-Type II	WH - white
			4000K	HV-200-480VAC	MS - Motion Sensor	P1 -3"(78mm)pole	T3 - TypeIII	BC - black
	75W/100W/120W/150W (all in one)		5000K				T4 - TypeIV	
			Optional					
			4000K					
			5000K					
			5700K					

LED AREA SERIES POST TOP

PERFORMANCE DATA

Power	30W/50W/75W	75W/100W/120W/150W
Model	BB-LD-(60~75W)-AR-CWT	BB-LD-(75~150W)-AR-CWT
Luminous Flux	30W=3900lm; 50W=6500lm;75W=9750lm	75W=9750lm;100W=13000lm;120W=15600lm;150W=19500lm
Replacment	30W=HPS 100W; 50W= HPS 150W 75W=HPS 200W	75W=HPS 150W;100W=HPS 300W;120W=HPS 400W;150W=HPS 450W
Light Source	SMD LED	
Luminous Efficacy	130lm/W	
Color	Bronze,Black, White (Standard Color is Bronze)	
Cover	Frosted Cover	
Accessories	Options: A.Pole Bracket B. Wall Bracket C. Wall baffle	
DLC Certification	Type A DLC Listed	
Operating Temperature	-40 to +45C	
CCT	3000K/4000K/5000K All in one. Optiopn: 4000K/5000K/5700K	
CRI	80+	
Life Span	50,000 hours at 25C	
Voltage	100-277VAC/50-60HZ	
Driver	UL Ilsted Power supply	
Dimming	No	
With Sensor	Photocell	
Beam Angle	120 Degree	
IP	67	
PF	>0.95	
Warranty	3/5 years	



External Photocell Sensor  
(Manual operation)



Built-in Photocell Sensor  
(Remote control )



# LED AREA SERIES POST TOP

## PROJECTS

By using our 50w area light to replace 150w metal halide bulb for parking area lighting fixtures, the customer is now able to save a lot per month from his electric bill

## APPLICATION

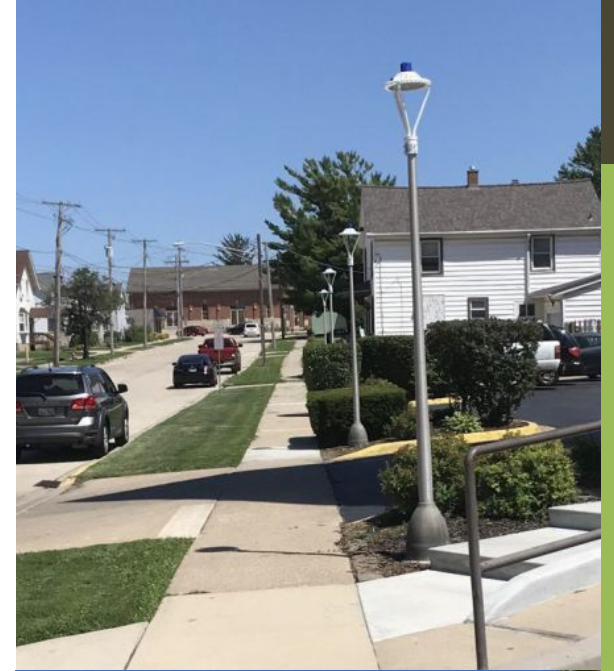
- Courtyard lighting
- Public parks lighting
- Street escapes lighting
- Parking areas lighting
- Hotel lighting

### Notes:

1. Don't take the LED lamp apart.
2. The LED lamp must work under the right voltage according to the specification.



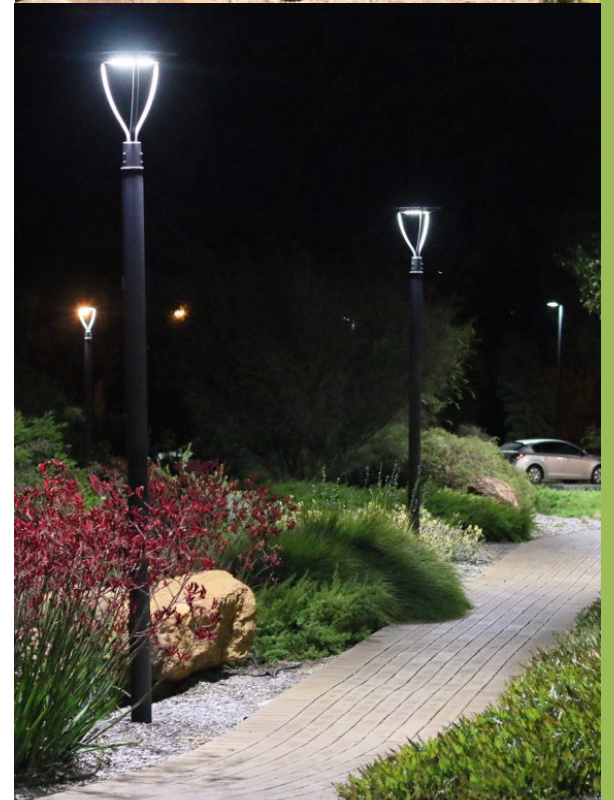
Street escapes lighting



Hotel lighting



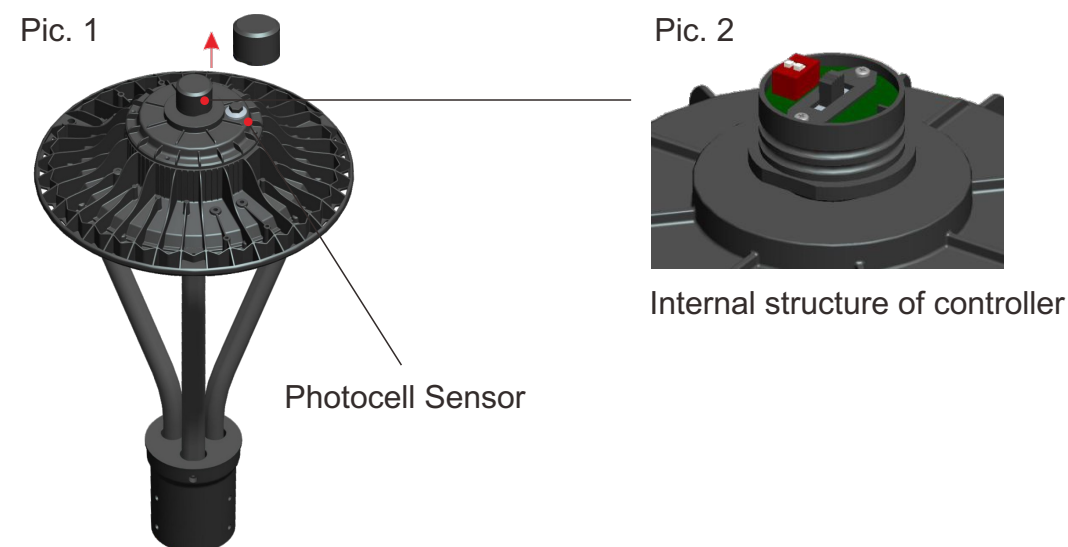
Public parks lighting



# LED AREA SERIES POST TOP

## ADJUSTABLE POWER, ADJUSTABLE COLOR TEMP CONTROLLER INSTRUCTIONS (manual operations)

- Pull out the controller cover firmly upwards (see pic. 1)
- Adjust the power in zone A and adjust the color temperature in zone B. The factory default power is 75W and the color temperature is 5000K (see pic. 2)



## INSTRUCTIONS FOR ADJUSTING THE POWER (ZONE A):

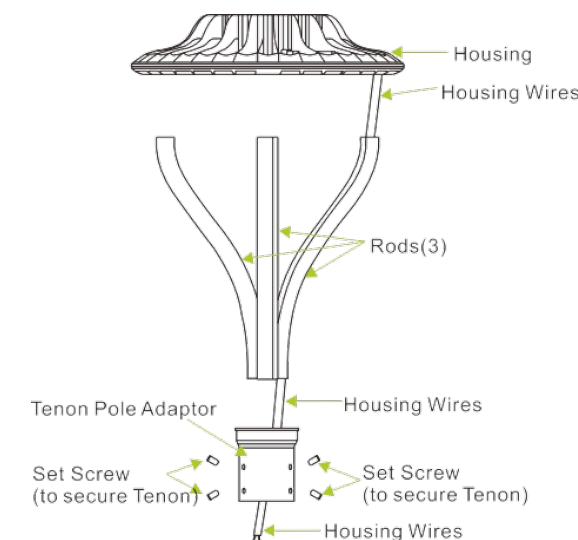
30W/50W/75W	75W/100W/120W/150W
30W: A1 to OFF, A2 to ON, picture 4. 50W: A1 to ON, A2 to OFF, picture 3. 75W: A1 to ON, A2 to ON.	75W: A1 to OFF, A2 to OFF 100W: A1 to ON, A2 to OFF 120W: A1 to OFF, A2 to ON. 150W: A1 to ON, A2 to ON.

## INSTRUCTIONS FOR ADJUSTING THE COLOR TEMPERATURE (ZONE B):

3 gears adjustment: B3=3000K, B2=4000K, B1=5000K. The factory default is 5000K (B1). When adjusting the color temperature, just pull the button to the corresponding position.

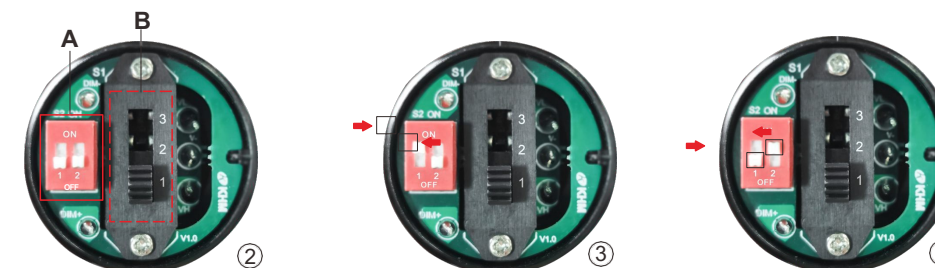
## FIXTURE ASSEMBLY

- Feed the (3) housing wires through one of the three rods.
- Clip the (3) rods onto the housing. Be sure the housing clips are properly engaged onto the Rods.
- Feed fixture wires through the Tenon pole adaptor.
- Slide Tenon pole adaptor on three rods. Be sure the notches face the inside of the Tenon pole adaptor.
- Tighten the (3) set screws at the Tenon pole adaptor to secure rods.



## HOW TO USE PHOTOCELL SENSOR

- Open the photocell sensor function: remove the photocell sensor cover.
- Close the photocell sensor: close the photocell sensor cover.



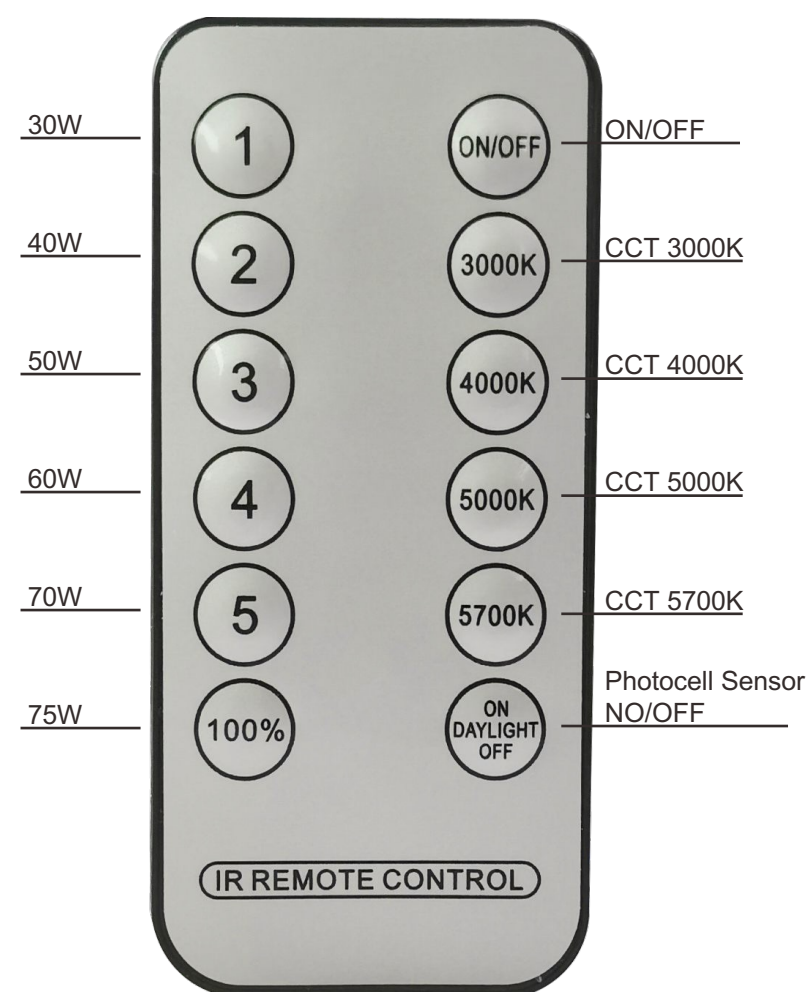


## LED AREA SERIES POST TOP

### BUILT-IN PHOTOCELL SENSOR REMOTE CONTROL INSTRUCTIONS

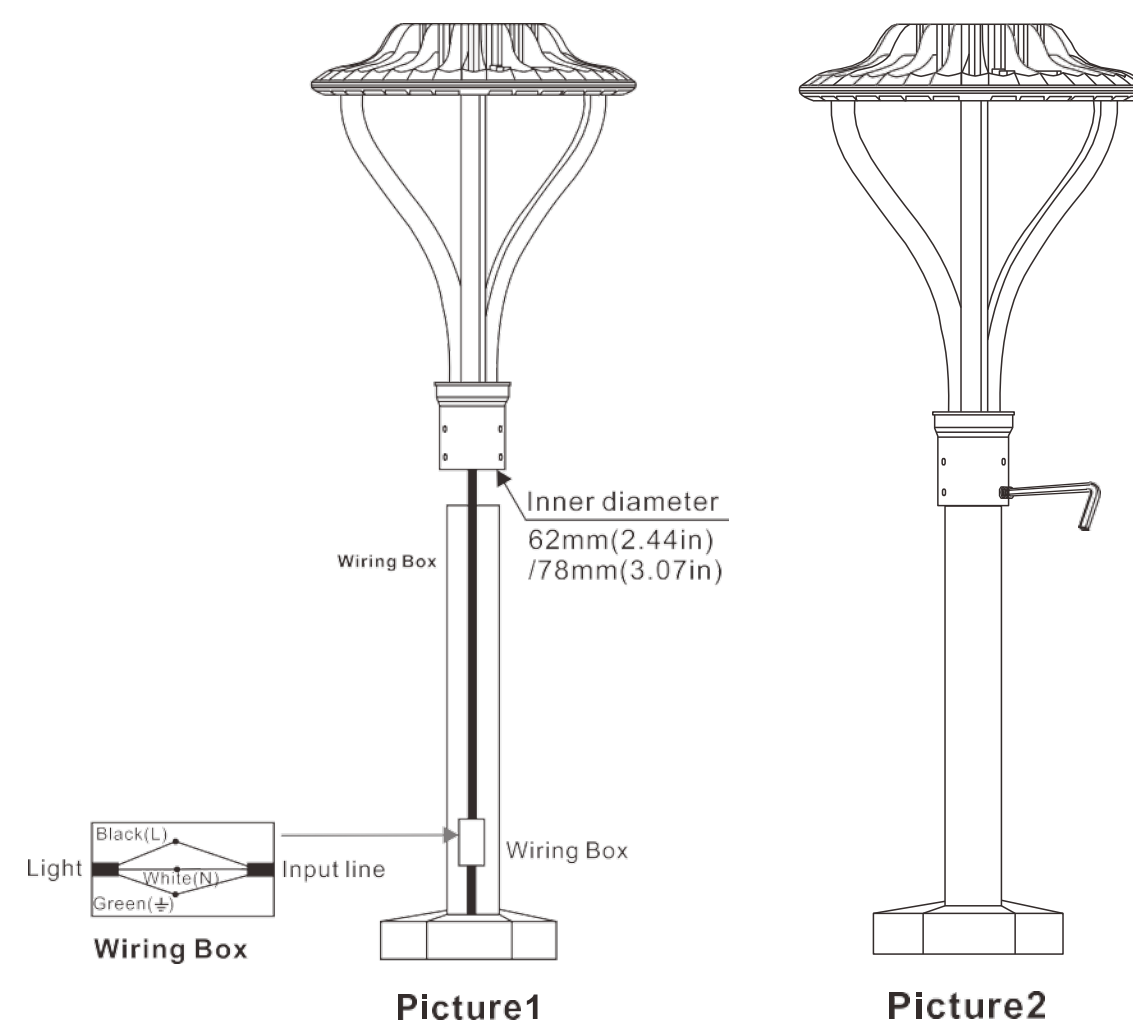
#### HOW TO USE THE REMOTE CONTROL

Turning off the light will force the photocell sensor to turn on, and turning on the light will force the photocell sensor to turn off. When the power is on for the first time the light flashes once to indicate that the photocell sensor is off, and when the light is normally on, the photocell sensor is on.



#### POLE MOUNTING

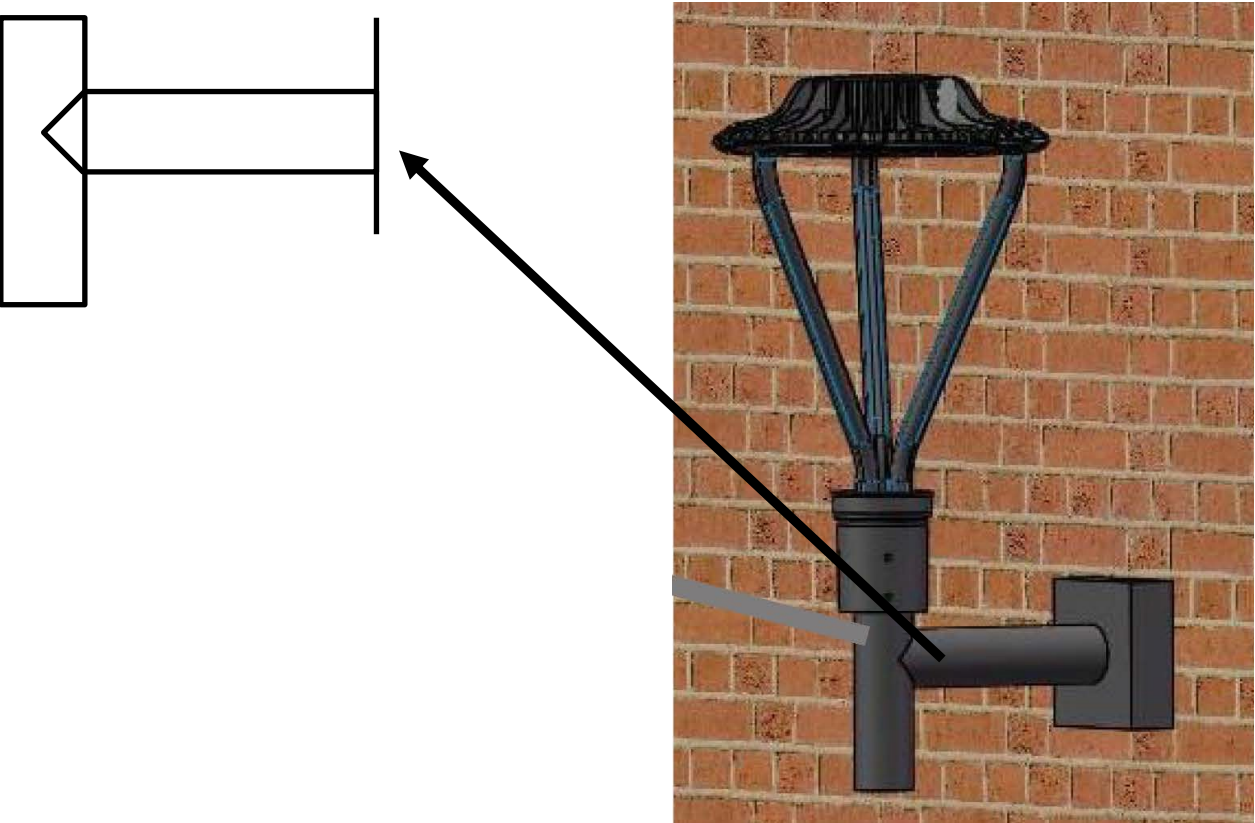
- Turn off the power before installation.
- Wiring right in the wiring box ("Black" is connected "L", "White" connects to "N", "Green" connects to "Ground") and set the lamp into the bracket by the hole (pic. 1)
- Fasten the four screws with a hex wrench and finish (pic. 2)



LED AREA SERIES POST TOP


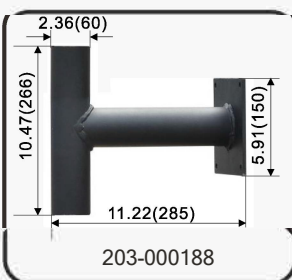

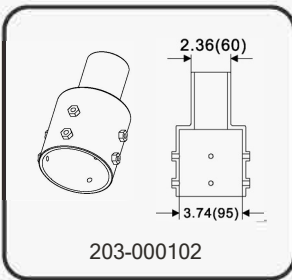
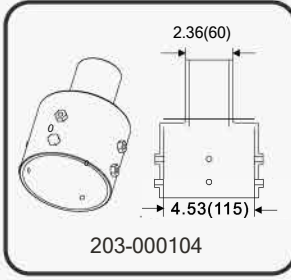
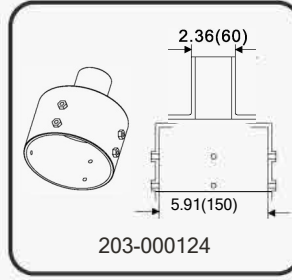
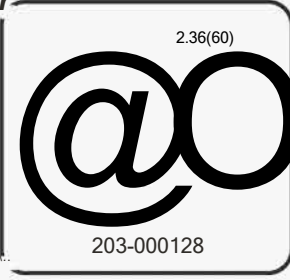
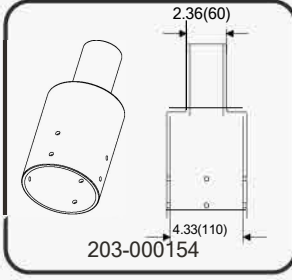
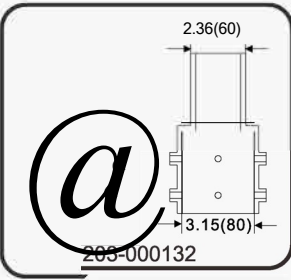
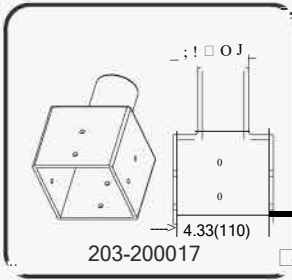
WALL MOUNTING

Wall bracket



OPTIONAL ACCESSORIES

Unit: in(mm)

 Motion Sensor	 Wall Bracket	 With a Baffle	 MGD03(2.4" to 3.5" round pole)
 MGD04(2.4" to 3" square or 4" round pole)	 MGD08(2.4" to 4" square or 5.5" round pole)	 MGD09(2.4" to 6.5" round pole)	 MGD11(2.4" to 3" square or 4" round pole)
 MGD10(2.4" to 3" square pole)	 MGD12(2.4" to 4" square pole)		

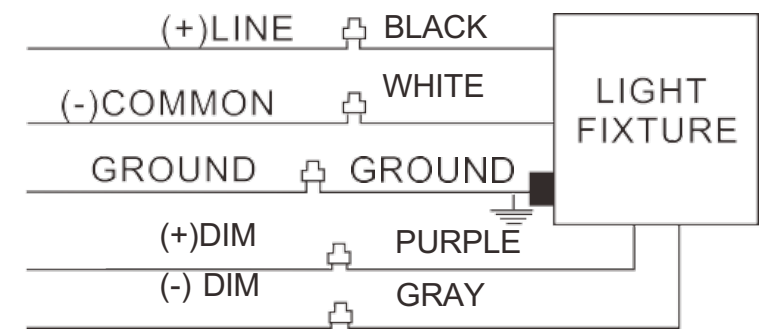


# LED AREA SERIES POST TOP

## WIRING

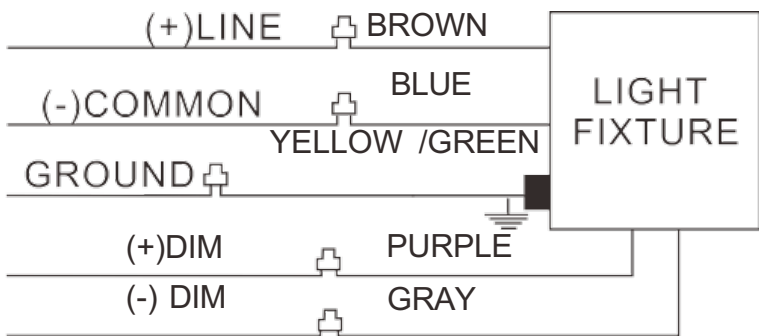
### US

- Connect the **black** fixture lead to the (+) LINE supply lead
- Connect the **white** fixture lead to the (-) COMMON supply lead
- Connect the **green** ground wire from fixture to supply ground
- Connect the **purple** fixture lead to the (+) dimmer
- Connect the **gray** fixture to the (-) dimmer



### EU

- Connect the **brown** fixture lead to the (+) LINE supply lead
- Connect the **blue** fixture lead to the (-) COMMON supply lead
- Connect the **yellow/green** ground wire from fixture to supply ground
- Connect the **purple** fixture lead to the (+) dimmer
- Connect the **gray** fixture lead to the (-) dimmer



## PACKING INFO

Item	Packaging	Carton Size(mm) (L*W*H)	N.W	G.W	Volume weight
Lamp	1pc/CTN	17.3"X15.0"X?.9" 440*380*200mm	11.0lbs 5.0kg	13.9 lbs 6.3kg	15.4 lbs 7.0kg
Wall bracket	1pc/CTN	14.2"X10.4"X7.3" 360*265*185mm	5.1lbs 2.3kg	8.2 lbs 3.7kg	10.2 lbs 4.6kg

LED WALL PACK SERIES

LED WALL PACK LIGHT



Series E, F, G, H



Series A, B, C, D





TECHNICAL DETAILS

Suitable Locations

- Garden
- Hotel
- Hospital
- Factory
- Warehouse outdoor wall
- Airport
- Passageway
- College campuses and schools
- Parking lots and apartments

Advantage

- Lumen output 100~140 lumens/W
- CRI more than 70~80
- Ip 65 water-proof
- Input voltage is AC90-305V
- 50/60Hz frequency
- Reduces energy consumption up to 60%
- 5-year warranty
- Surface mounting installation
- Suitable for wet location
- UL & cUL 1598 certificate
- Lumileds LED chips
- High quality driver

Product Description

Wall Pack series is the ideal choice for industrial zone lighting in a variety of settings, such as entryways, parking lots, warehouses, barns, sheds, and more. With light output up to 12,000 lumens, these fixtures will give the light you need for your application, as well as save you up to 60% on your energy bill. All of our Wall Packs are IP65 rated to stand up to the elements without the risk of damage, shock, or fire.

Our product uses high quality drivers and LED chips to ensure their stability, aluminum housing and finned heat sink provide excellent heat dissipation. 5-year warranty gives you a no risk protection.

ORDERING GUIDE

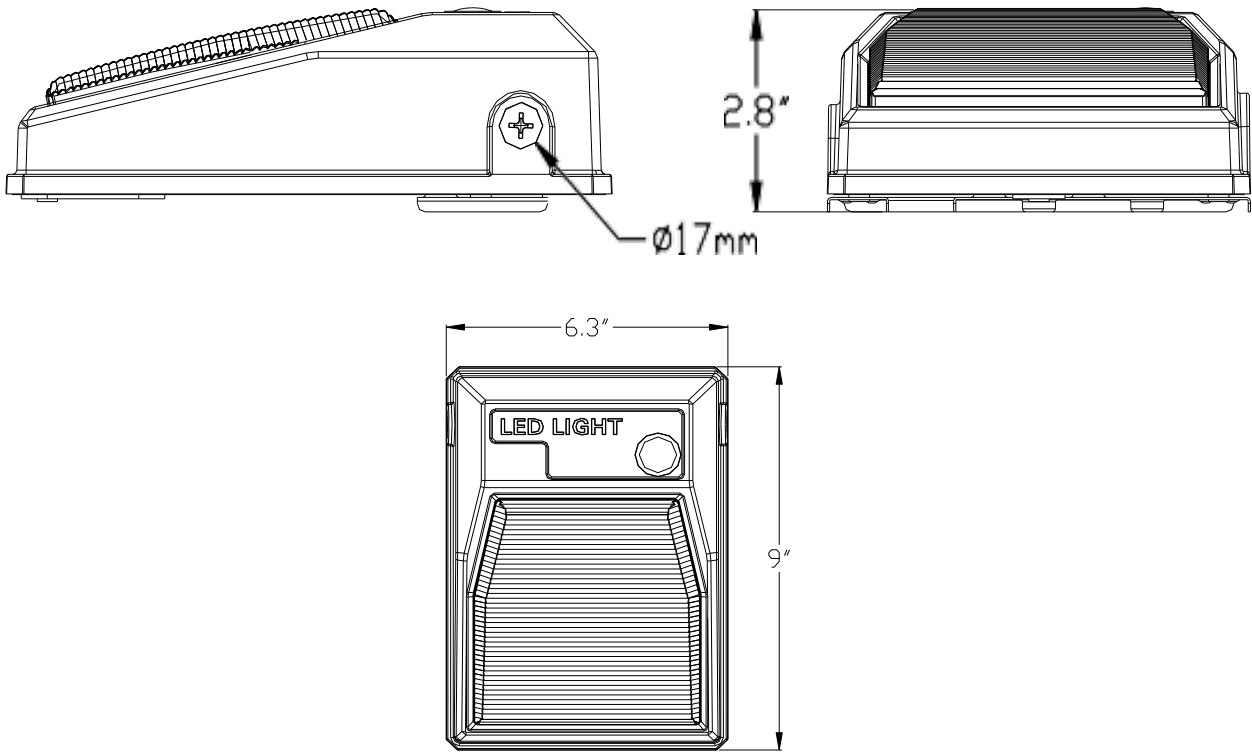
WP	115/20/40/60/80/100W	WXYZ
Wall Pack light	Wattage	T index A~H Series X index dimming options Y index CCT(27,30...50) Z index H(Half Cut) or F(Full Cut) G(general beam angle)

LED WALL PACK LIGTH Series A

TECHNICAL DETAILS

Product Number	Power Consumption (W)	Dimensions L*W*H (Inch)	Fixture Luminous Flux (lm)	Fixture Efficacy (LM/W)	Color Temperature (K)
WP-13W AXYG	13	9.1"X3"X2.8"	1,300~1,690	100~130	2700K~6500K
WP-20W AXYG	20	9.1"X3"X2.8"	2,000~2,600	100~130	2700K~6500K
Rated Power	13/20				
Input Voltage	90-305VAC				
Frequency	50/60 Hz				
Power Factor	>0.9				
Beam Angle	92.5"				
CRI	>80				
Operating Temperature	-30C to 45 C				

DIMENSION



PHOTOMETRIC DATA

Rated Power	13/20
Input Voltage	90-305VAC
Frequency	50 / 60 Hz
Power Factor	>0.9
Beam Angle	92.5°
CRI	>80
Operating Temperature	-30°C to 45°C

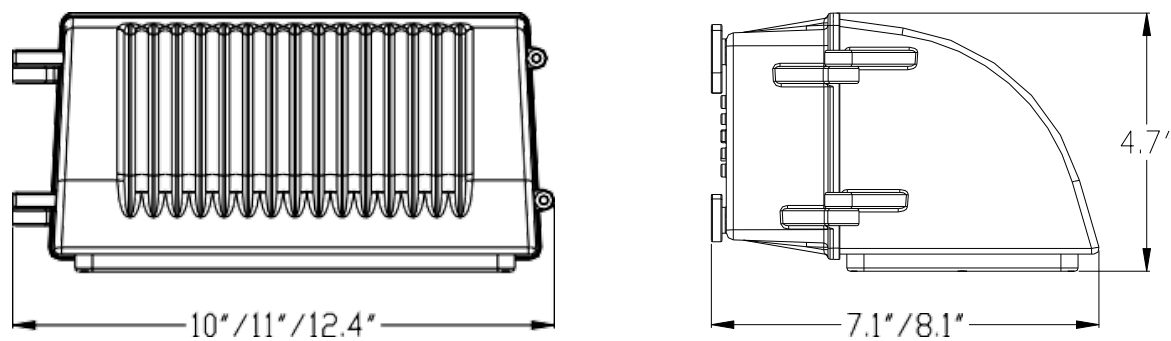


LED WALL PACK LIGHT Series B & D

TECHNICAL DETAILS AND PHOTOMETRIC

Product Number	Power Consumption (W)	Dimensions L*W*H(Inch)	Fixture Luminous Flux (lm)	Fixture Efficacy (Lm/W)	Color Temperature (K)
WP-45W BXYF	45	10"x7.1"x4.7"	4,500~5,850	100~130	2700K-6500K
WP-70W DXYF	70	11"x8.1"x4.7"	7,000~9,100	100~130	2700K-6500K

DIMENSIONS



PHOTOMETRIC DATA

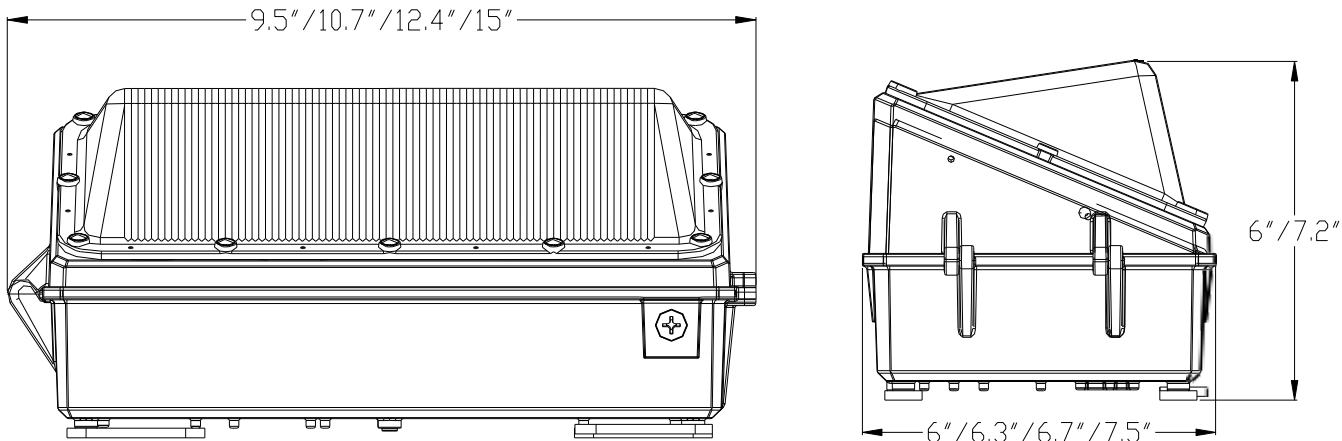
Rated Power	40/75W
Input Voltage	90-305VAC
Frequency	50 / 60 Hz
Power Factor	>0.9
Beam Angle	103°
CRI	> 80
Operating Temperature	-30°C to 45°C

LED WALL PACK LIGHT Series E & H

TECHNICAL DETAILS AND PHOTOMETRIC

Product Number	Power Consumption (W)	Dimensions L*W*H* (Inch)	Fixture Luminous Flux (lm)	Fixture Efficacy (Lm/W)	Color Temperature
WP-40W EXYH	40	9.5"x6"x6"	4,000~5,200	100~130	2700K~6500K
WP-60W FXYH	60	10.7"x6.3"x6"	6000~7,800	100~130	2700K~6500K
WP-80W GXYH	80	15"x7.5"x7.2"	8,000~10,400	100~130	2700K~6500K
WP-100W HXYH	100	15"x7.5"x7.2"	10,000~13,000	100~130	2700K~6500K
				100~130	2700K~6500K

DIMENSIONS



PHOTOMETRIC DATA

Rated Power	40/60/80/100W
Input Voltage	90-305VAC
Frequency	50 / 60 Hz
Power Factor	>0.9
Beam Angle	105°
CRI	>80
Operating Temperature	-30°C to 45°C



## LED SEMI-CUTOFF WALL PACK LIGHT Wattage & CCT Field Adjustable

30W/45W, 60W/70W

### PRODUCT FEATURES

- Optical design, greatly improved the light utilization and evenness.
- High efficiency LED Driver, voltage AC120-277.
- Cast Aluminum design, better cooling, light quality, LED Tj < 85°C.
- Adjustable power, adjustable color temperature.
- The 1-10V Dimming type is continuous.

### ADDITIONAL INFORMATION

- Power:30W/45W/60W/70W
- CCT : 3000K/4000K/5000K
- Light Source:2835 LEDs
- Driver: KERHAM POWER

### APPLICATIONS

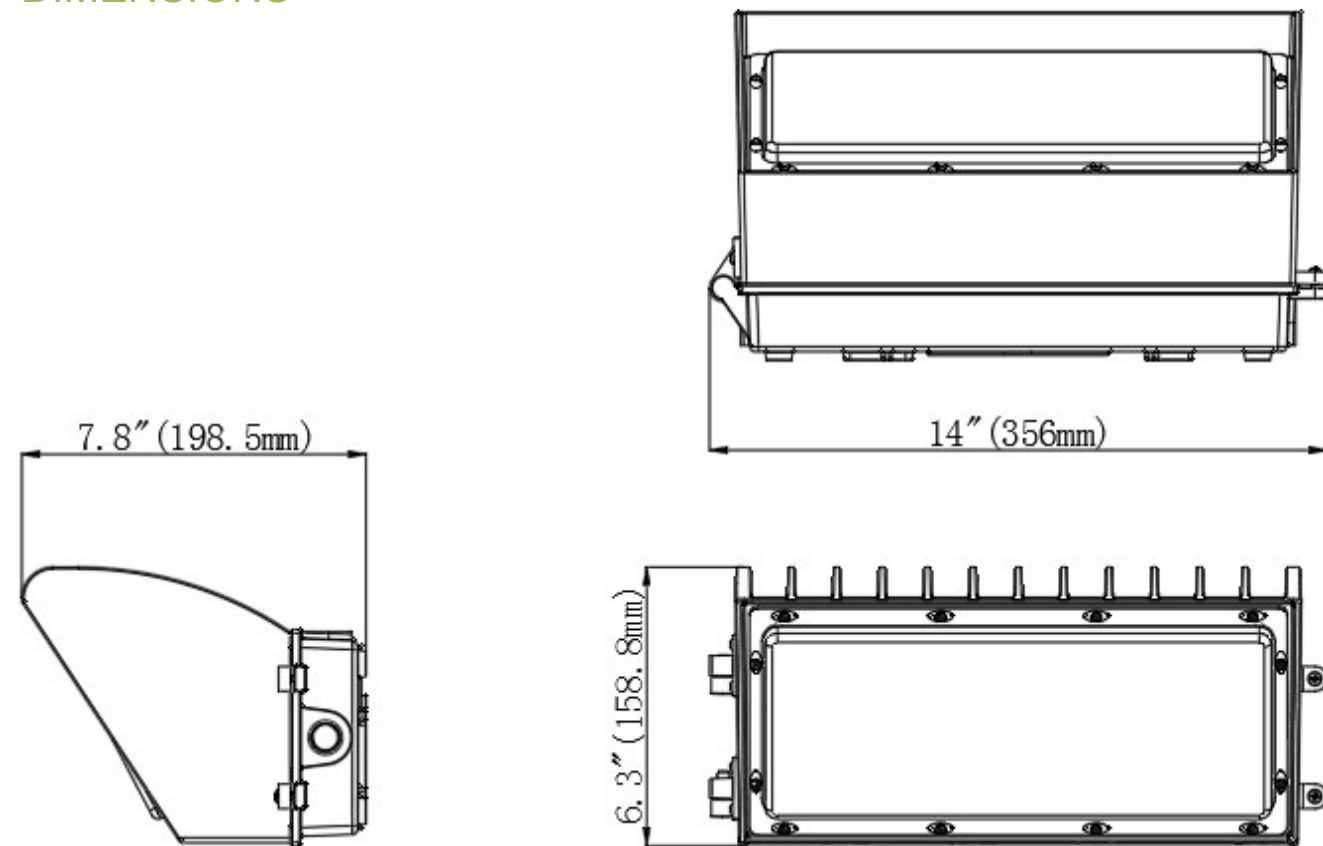
- Indoor or Outdoor (Wet Location)
- Excellent for Museums
- Art Galleries
- Shopping Malls
- Office Buildings
- Walls and many other applications



## LED SEMI-CUTOFF WALL PACK LIGHT Wattage & CCT Field Adjustable

30W/45W, 60W/70W

### DIMENSIONS



### SPECIFICATIONS

- WSD -30W/45W/60W/70W
- Length:356MM (14" )
- Width:158.8MM (6.3" )
- Depth:196.5MM (7.8" )
- Weight:3.12KG/6.88 (lbs.)

### PACKAGING INFORMATION

- WSD-HWP34567W27-345K  
395MMX205MMX178MM (15.55" X8.07" X7.01" )

### MOUNTING

- Surface Mounting

### CERTIFICATIONS





## TECHNICAL PARAMETERS 30W/45W, 60W/70W

Type	WSD-HWP34567W27-345K-D-P		
Power	30W/45W/60W/70W	Lighting Angle	69.4°
Input Voltage	AC120-277V	LED Brightness Decay	<5%/6000 hrs
PF	>0.98	Working Life	>75000 hrs
Driver Efficiency	>90%	Working Temperature	-20 - +45℃
Luminous Flux	4483Lm/5896Lm 7636Lm/8776Lm	Storage Temperature	-20 -+80℃
Color Temperature	3000K/4000K/5000K	Protection Level	W e t
CRI	Ra>70	Cable	Input Connect, No Cable
Factory Setting	Power:70W                      Color Temperature:4000K		

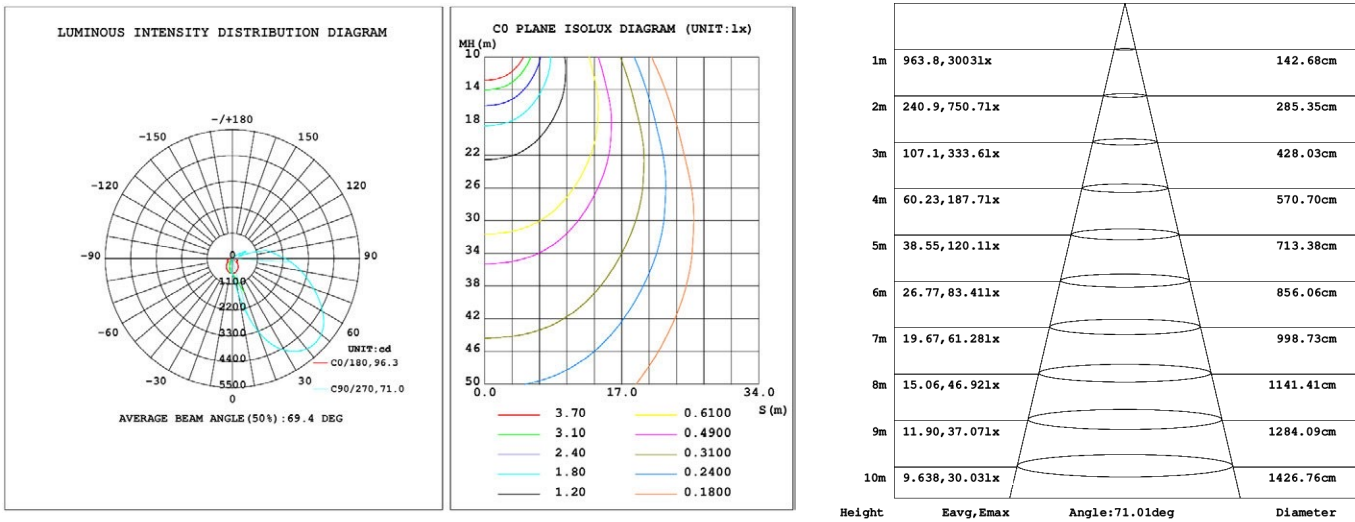
ORDERING EXAMPLE:WSD-HWP34567W27-345K-Z-P

WSD	HWP	34567W	27	345K	Z	P
Company	Product	Power	Voltage	ColorTemp	FINISH	Control
WSD LED INC	HWP Semi-Cutoff Wall Pack light	30W/45W 60W/70W	27 AC120-277V	3000K/4000K/5000K	D (Dark Bronze) W (White) B (Black) S (Silvery)	P Photocell

LED SEMI-CUTOFF WALL PACK LIGHT Wattage & CCT Field Adjustable

TECHNICAL PARAMETERS 30W/45W, 60W/70W

PHOTOMETRIC DATA



ORDERING EXAMPLE:WSD-HWP34567W27-345K-Z-P

WSD	HWP	34567W	27	345K	Z	P
Company	Product	Power	Voltage	ColorTemp	FINISH	Control
WSD LED INC	HWP Semi-Cutoff Wall Pack light	30W/45W 60W/70W	27 AC120-277V	3000K/4000K/5000K	D(Dark Bronze) W(White) B(Black) S(Silvery)	P Photocell



# LED SEMI-CUTOFF WALL PACK LIGHT Wattage & CCT Field Adjustable

## CONTROL MODULE 30W/45W, 60W/70W

### ADJUST THE SWITCH

The LED Semi-Cutoff Wall Pack light can adjust the power and color temperature of the whole lamp, which is convenient and fast. The power and color temperature can be selected according to the actual needs of customers. For example, if I want 30W power and 4000K color temperature, You need to operate the power dip switch according to the corresponding instructions and dial the color temperature dip switch to the middle.,In order to meet the actual needs of customers, convenient and fast.



PHOTOCELL

# LED FLOOD LIGHT SERIES

## WATTAGES: 30W, 45W, 70W

LED Flood Lighting series can be widely used in indoor or outdoor lighting (wet location). Ideal for excellent for museums, art galleries, shopping malls, office buildings, the lawn, walls, and many more applications.

## FEATURES

- Lumileds LED, high luminous efficiency and long working life.
- High efficiency LED Driver, the wide range input voltage AC120-277V.
- Optics design, greatly improve the light utilization and evenness.
- Photocell Control Available (Option)

## CERTIFICATIONS



Die-cast aluminum cooling design, high quality and better cooling for LED  $T_j < 85^{\circ}\text{C}$ .





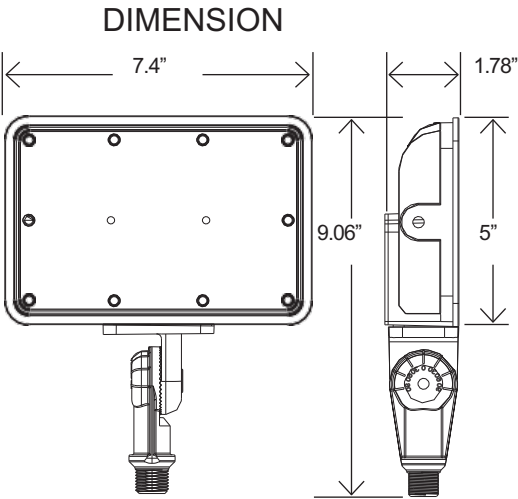
LED FLOOD LIGHT SERIES

WATTAGES: 30W, 45W, 70W

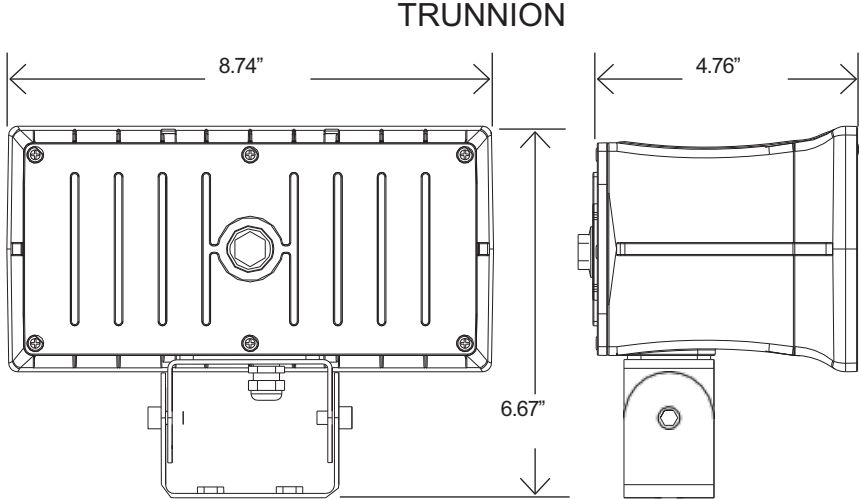
	SPECIFICATION		
WATTAGE	30W	45W	70W
LUMEN	4350 lm	6750 lm	10441 lm
EFFICACY	145 lm/W	150 lm/W	150 lm/W
CCT	4000K, 5000K		
CRI	70		
INPUT VOLTAGE	120-277V		
POWER FACTOR	0.95		
DRIVER EFFICACY	90%	88%	
DIMMING	1-10V Dimming		
LIGHT ANGLE	101°	98°	
LIFE SPAN	75,000 hrs		
WORKING TEMPERATURE	-22°F ~ 113°F		
STORAGE TEMPERATURE	-40°F ~ 176°F		
OUTDOOR RATING	Wet location/IP65		
CABLE	Input Connect, 0.3m	Input Connect, 0.5m	
WARRANTY	5 year limited		

LED FLOOD LIGHT SERIES

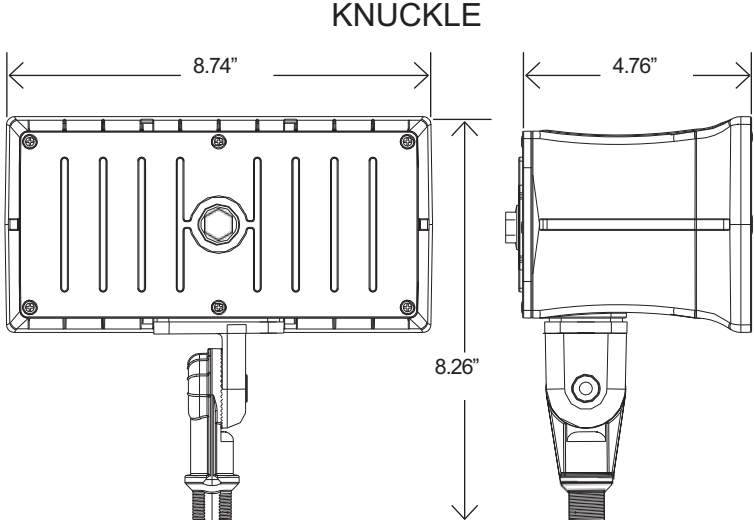
WATTAGES: 30W, 45W, 70W



WATTAGE	30W
NT. WEIGHT	3.04 lbs (10 pcs/carton)
BOX DIM.	21.69" x 17.13" x 9.25"



WATTAGE	45W
NT. WEIGHT	4.2 lbs (4 pcs/carton)
BOX DIM.	8.75" x 8.26" x 4.76"



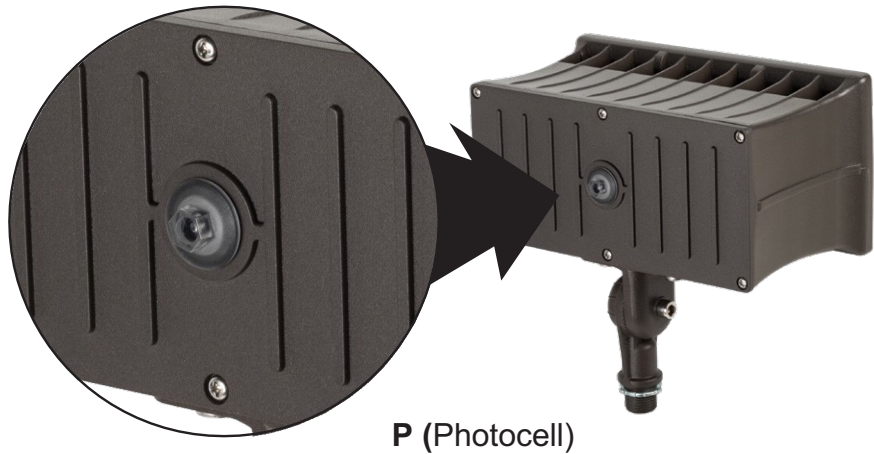
WATTAGE	70W
NT. WEIGHT	4.6 lbs (4 pcs/carton)
BOX DIM.	9.25" x 6.89" x 5.9"

MOUNTING (SOLD SEPARATELY)



WSD-FLT-D  
Trunion for Flood Light 20W-70W

CONTROLS (SOLD SEPARATELY)





# LED FLOOD LIGHT SERIES

WATTAGES: 30W, 45W, 70W

ORDERING INFORMATION EXAMPLE: WSD-FL-07W27-50K-D-K-P

ALN	FL	07W	27	50K	D	K	P
COMPANY	PRODUCT	WATTAGE	VOLTAGE	CCT	FINISH	MOUNTING	CONTROL
ALNLED INC.	FI	03W - (30W)	27	40K - (4000K)	D - ( Dark Bronze)	K - Knucle	P - (Photocell)
	Flood Light	45W - (45W)	(AC120-277V)	50K - (5000K)	W - (White)	T - Trunnion	
	Series	07W - (70W)			B - (Black)		
					S - (Silver)		

## LED SPORTS LIGHT (ROUND SERIES)

400W-1200W

**150lm/W**

IP66

5 Years





# LED SPORTS LIGHT

POWER RANGE FROM 400W TO 1200W.

## FEATURES

### BETTER DESIGN

New LED modules produce 140 Lumens per watt - Save even more by using a lower watt unit and still getting the light you need. Focus on your lumen needs, not on watts.

### BRIGHT LIGHT

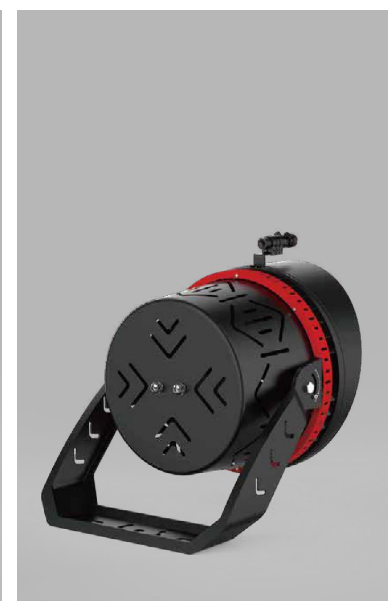
500 Watt LED puts out 75,000 Lumens and is designed to replace a 1500-watt Metal halide sports light. 5000K light color ensures a bright clear light. DIMMABLE & INSTALLATION OPTIONS Unit is 1-10V Dimmable. Light can be dimmed to ideal brightness levels to save energy and get the light levels for your area. Bracket(optional)that can be adjust-ed all the way forward and back.

### BUILT TO LAST

1,000 plus LEDs save having to replace bulbs. Aluminum housing with high tech heat sink. Better heat dissipation ensures longer LED life and safety. IP66 Waterproof for all weather conditions.

### APPLICATION

This LED area light only uses premium grade LED components. High strength housing make this an industrial grade LED parking lot lights or sports light. Light can also be used on a building, for sports fields, roadways or any other use. Highly versatile light.





# LED SPORTS LIGHT

## PRODUCT FEATURES

- Wattage: 400-1200W
- Intelligent control: DALI-DMX512(RGB Optional) Beam Angle: 15/30/45/60 Degree
- Power Supply: Meanwell Or SOSEN Input Voltage : 100-277/277-480VAC CCT(Color Temperature): 3000-6500K

## APPLICATION SCENARIOS

- Outdoor large sports arenas
- Exhibition hall
- Outdoor football fields
- Sports center
- Stadium
- Logistics center
- Shipyards





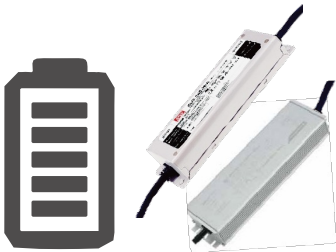
# LED SPORTS LIGHT



**ANTI-RUST TECHNOLOGY**  
Made of high-quality steel. The surface adopts galvanizing and high temperature resistant spray coating technology, which can effectively prevent rust. The heat dissipation effect is up to 2.3 times than ADC12 cast aluminum.



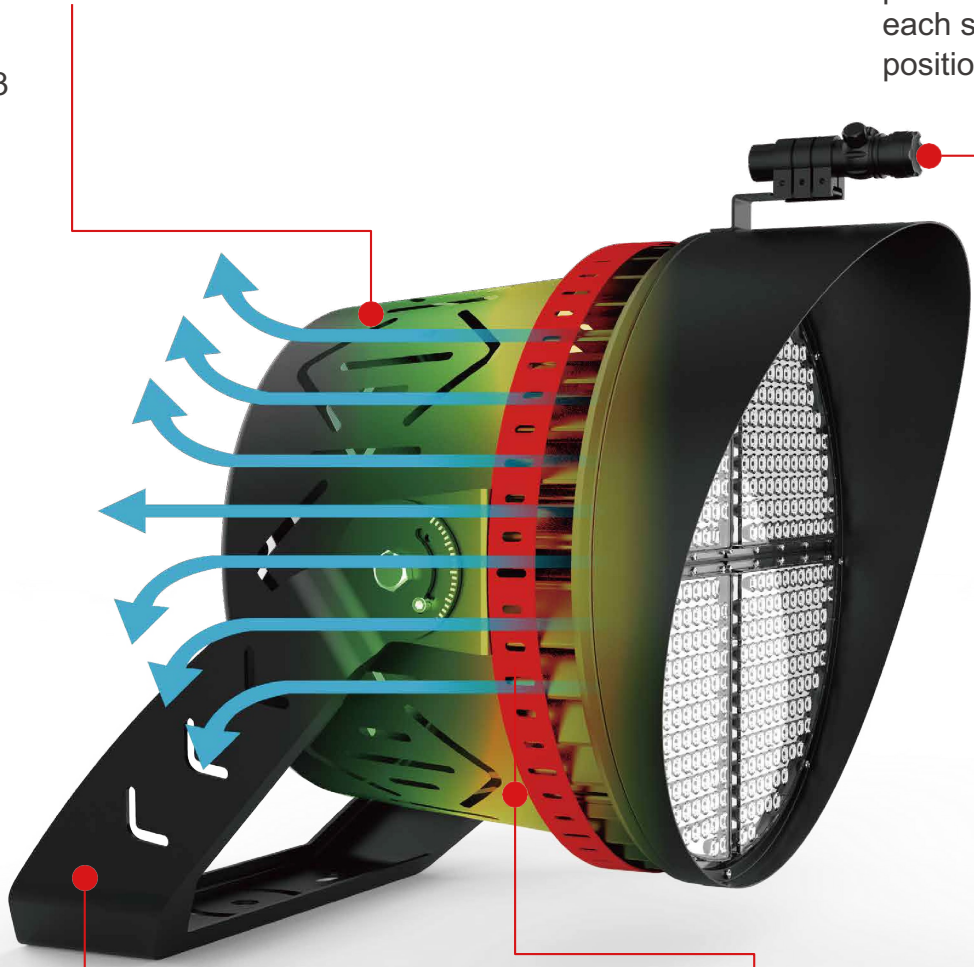
**LASER AIMING DEVICES (OPTIONAL)**  
The Laser Aiming Device gives you precision control in angling and aiming each sport light to its exact optimal position.



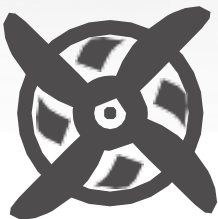
**DRIVER SUPPLIER**  
Better heat maintenance, easier installation, convenient for maintenance and replacement.



**BRACKET**  
Common U-shaped brackets are used to make installation faster and more convenient.



**RADIATOR MATERIAL**  
Using 1070 pure aluminum forging, and made by one-piece technology.



# LED SPORTS LIGHT

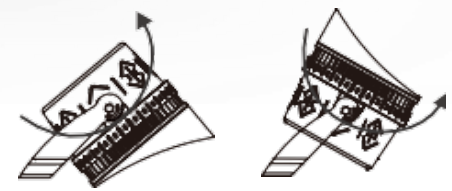


**LONGER AC LINE**  
Can connect 2m of AC line.

**LENS**  
Using high-quality optical materials, equipped with multiple light distribution angle



**COOLING HOLE DESIGN**  
The product adopts modern technology's FF dynamic car logo shape, which is more technological and has better heat dissipation effect.







**ROTATING SCALE**  
Using laser technology type scale to make the angle more precise



# INFINITY LED SPORTS LIGHT

## FL-07-G9

### BETTER SOLUTIONS FOR INFINITY LED SPORTS LIGHT

-  IP66 water-proof
-  AC100-277V 50/60Hz
-  Easy Installation
-  130Lm/W  
150Lm/W

Operating Temp: -40°C~+50°C Storage Temp: -40°C~+80°C

### OPTIONS

POWER	CCT	Housing Color	Beam Angle
Inventronics driver	3000K	black + red	15°
	4000K	black + blue	30°
	5000K	black + green	45°
	5700K	black + black	80°
		grey + grey	80°

### APPLICATIONS

Sports Lighting, Stadium lighting, Sports fields, Car parks, High mast installations Docks, Railway and container yards, Ports and other large scale outdoor applications, Architectural lighting, Landscape lighting, Industrial and commercial exterior lighting  
Decorative lighting for holidays, tradeshow, exhibitions.

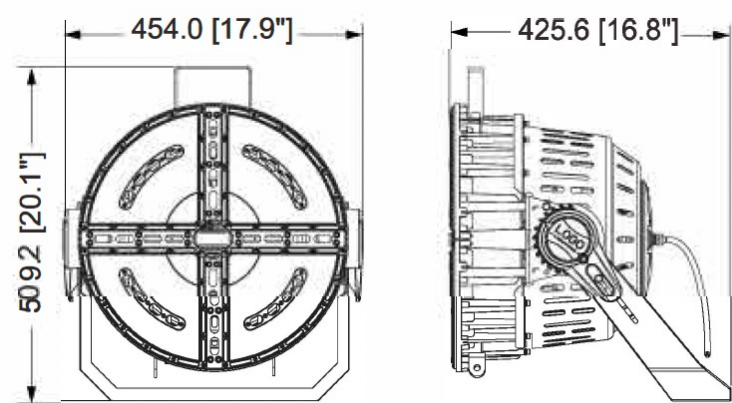


INFINITY LED SPORTS LIGHT

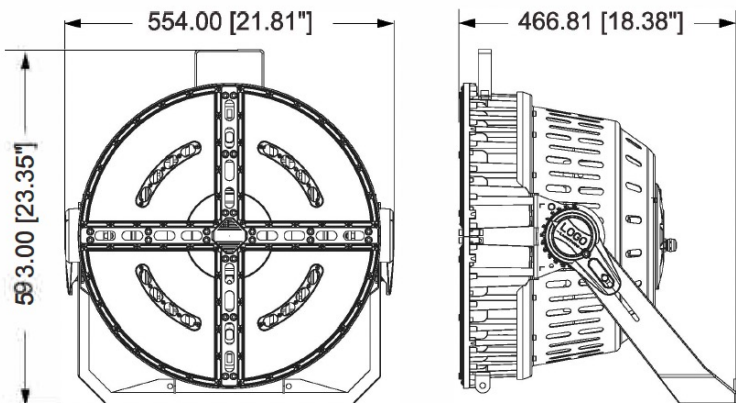
FL-07-G9  
SPECIFICATIONS

Item	Power	Luminous Efficacy	LEDS	CRI	Weight	Beam Angle
FL300W-07-G9	300W	130Lm/W 150Lm/W	Samsung 3535 SMD 5050	>70	17.2kg(37.9lbs)	15° 30° /45°/80°
FL400W-07-G9	400W	130Lm/W 150Lm/W	Samsung 3535 SMD 5051	>70	17.2kg(37.9lbs)	15° 30° /45°/80°
FL500W-07-G9	500W	130Lm/W 150Lm/W	Samsung 3535 SMD 5052	>70	17.2kg(37.9lbs)	15° 30° /45°/80°
FL600W-07-G9	600W	130Lm/W 150Lm/W	Samsung 3535 SMD 5053	>70	18.2kg(40.1 lbs)	15° 30° /45°/80°
FL700W-07-G9	700W	130Lm/W 150Lm/W	Samsung 3535 SMD 5054	>70	28. 7kg (63.3lbs)	15° 30° /45°/80°
FL800W-07-G9	800W	130Lm/W 150Lm/W	Samsung 3535 SMD 5055	>70	28.7kg(63.3lbs)	15° 30° /45°/80°
FL 1000W-07-G9	1000W	130Lm/W 150Lm/W	Samsung 3535 SMD 5056	>70	28.7kg(63.3lbs)	15° 30° /45°/80°
FL 1200W-07-G9	1200W	130Lm/W 150Lm/W	Samsung 3535 SMD 5057	>70	28.7kg(63.3lbs)	15° 30° /45°/80°

DIMENSIONS(MM)



300W/400W/500W/600W-P1A



700W/800W/1000W/1200W-P1A



# LED SPORTS LIGHT (ROUND SERIES)

## MORE OPTIONS



P1 A-Bracket+ Driver cover mounted on the lamp body



P1 B -Bracket+ Separate remote installation



P1 C -Bracket+ Driver box mounted on the lamp body



P1 D -Bracket+ Driver box mounted on the bracket



P2A-Base+ Driver box mounted on the lamp body



P2B -Base+ Separate remote installation



P2C -Base+ Driver box mounted on the bracket



P3A -Slip fitter+ Driver box mounted on the lamp body



P3B -Slip fitter+ Separate remote installation



P4A -Bracket+ Driver cover mounted on the lamp body



P4B -Bracket+ Separate remote installation



P4C -Bracket+ Driver box mounted on the lamp body



P4D -Bracket+ Driver box mounted on the bracket



# LED SPORTS LIGHT (VERTICAL SERIES)

## PRODUCT FEATURES

- IP66 WATER-PROOF
- 1800W
- 150 LM/W
- 400W/500W/600W/800W/1000W/1200W/1500W/1800W

## APPLICATIONS

- Sports lighting
- Stadium lighting
- Sports Fields
- Car Parks
- High mast installation
- Docks
- Railways and container yards
- Ports and other large scale outdoor applications
- Landscape lighting
- Exhibitions

## CERTIFICATIONS





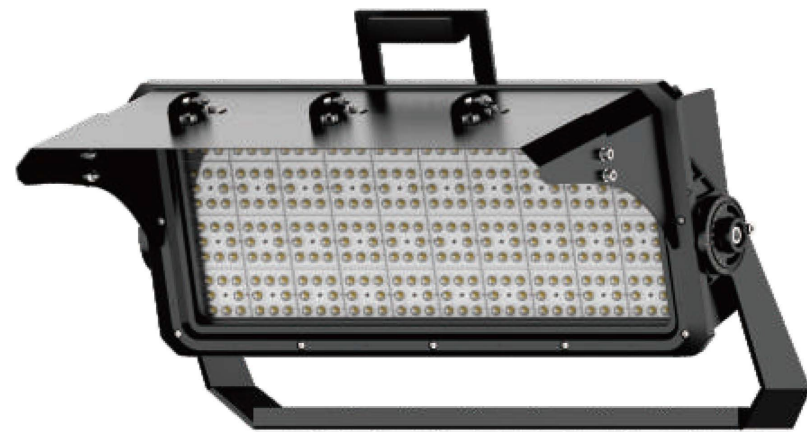
## LED SPORTS LIGHT FL-07-G8

### IP66 WATER-PROOF

Beam Angle: 10°/15 °/0 30°/60°/90°/T2

Driver Brand: INVENTRONICS

Luminous Efficacy: 120Lm/W,150Lm/W



400W/500W/600W



800W/1000W/1200W



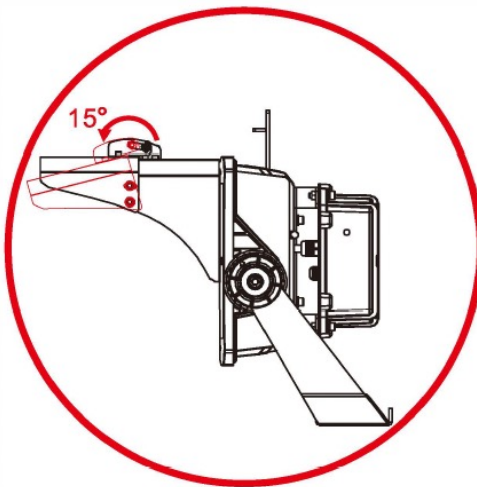
1500W/1800W



# LED SPORTS LIGHT FL-07-G8

IP66 WATER-PROOF

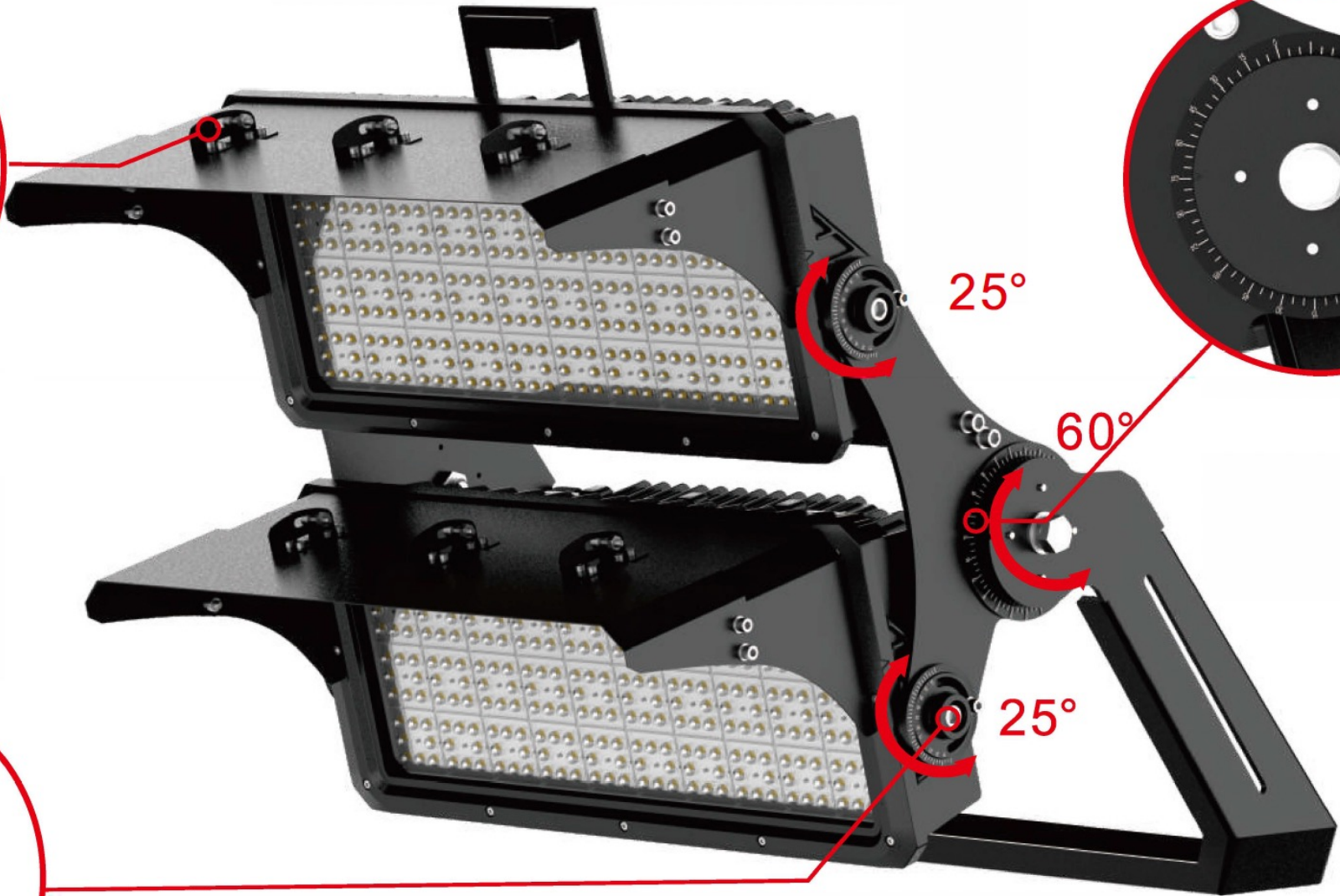
150  
Lm/W



Antiglare lighting cover  
freely adjustable 15 °



The rotation of a single module can be  
achieved by adjusting the screw on only  
one side.



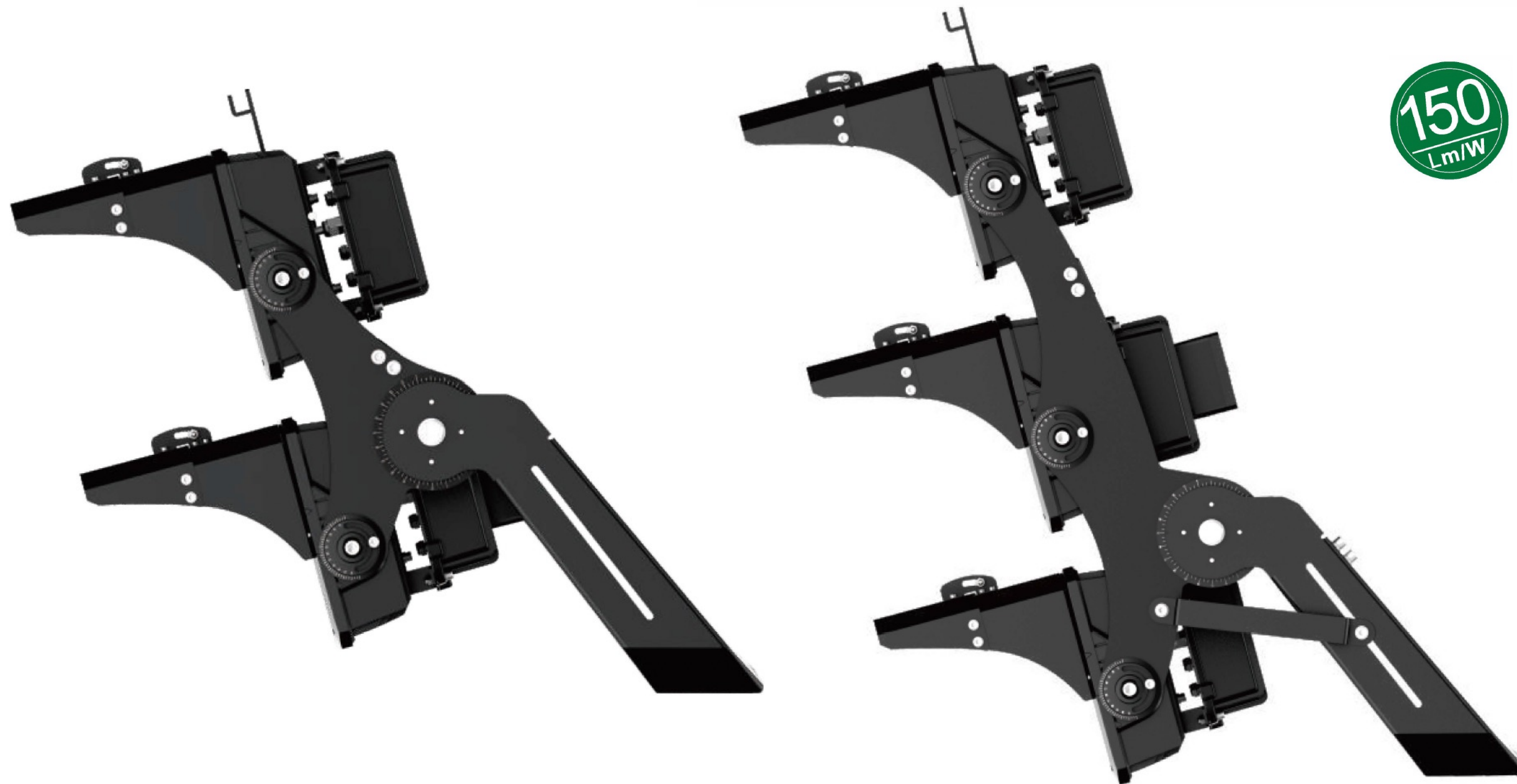
Precise adjustment



## LED SPORTS LIGHT FL-07-G8

### IP66 WATER-PROOF

- Elegant design 400-1 BOOW full ranges match to various requirements
- Flexible beam angle adjustment gear rotatable design (user-friendly)
- Unique optical design, no frequency, anti-glare
- Module assembled
- Beam angle: 10°, 15°, 30°, 60°, 90°, T2 for option
- Outdoor powder paint, strongly corrosion resistance, suitable for harsh outdoor environment
- Each modules max 600W, driver box integrated



## LED SPORTS LIGHT FL-07-G8

### IP66 WATER-PROOF

#### PERFECT HEATSINK

Perfect heat dissipation, die-casting aluminum body. Easy Heat Dissipation Helps to Extend Lifetime. Integrated cooling design, effectively solve the heat problem, ensure the light's source life.

- IP66 | CRI>70
- Input Voltage: AC 100-277V, 50/60Hz
- Easy to install





# LED SPORTS LIGHT FL-07-G8

400W/500W/600W/800W/1000W/1200W/1500W/1800W



The back view

Aiming Position Light

Anti glare Lighting cover

Waterproof Connect box  
(Only Standard configuration  
800W1 ODOW/1200W/1500W/1800W)  
1 0KV/20KV SPD

LED SPORTS LIGHT FL-07-G8



P1 U-SHAPED BRACKET

01

M 1.6x55mm

02

Power D1 D2 L1 L2 L4

Power	D1	D2	L1	L2	L4
600W	17mm	12.5mm	50mm	350mm	120mm
1200W	17mm	17mm	50mm	350mm	120mm
1800W	17mm	17mm	50mm	350mm	120mm

03

04

05

Brown(Black) --- L  
Blue(White) --- N  
Green/Yellow --- GND

L N GND

90° 0° 90°

25° 0° 110°

25° 0° 60°





# LED GAS STATION CANOPY

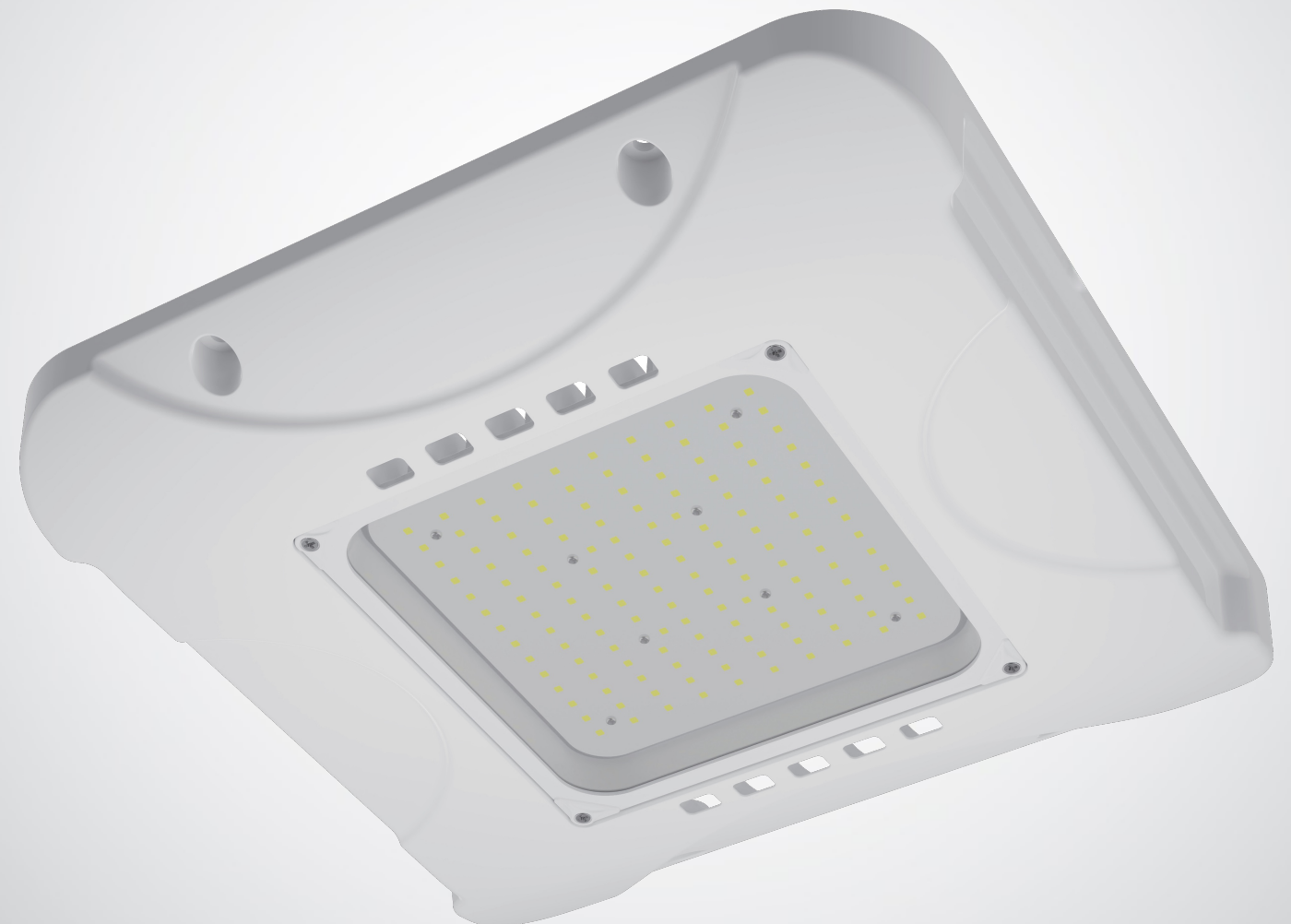
## FEATURES

- Uses professional optical technology to obtain 130 lumens per watt and project light down in a wide projection
- Fixture is designed for better cooling with Larger Size, aluminum Heat Sink to ensure long life performance.
- Integrated driver, easy to install and operate.
- UL-classified to avoid electrical shock and fire hazard.

## APPLICATION

Ideal for lighting a car port, gas station, gym, garage or any other high bay lighting locations.

## CERTIFICATIONS

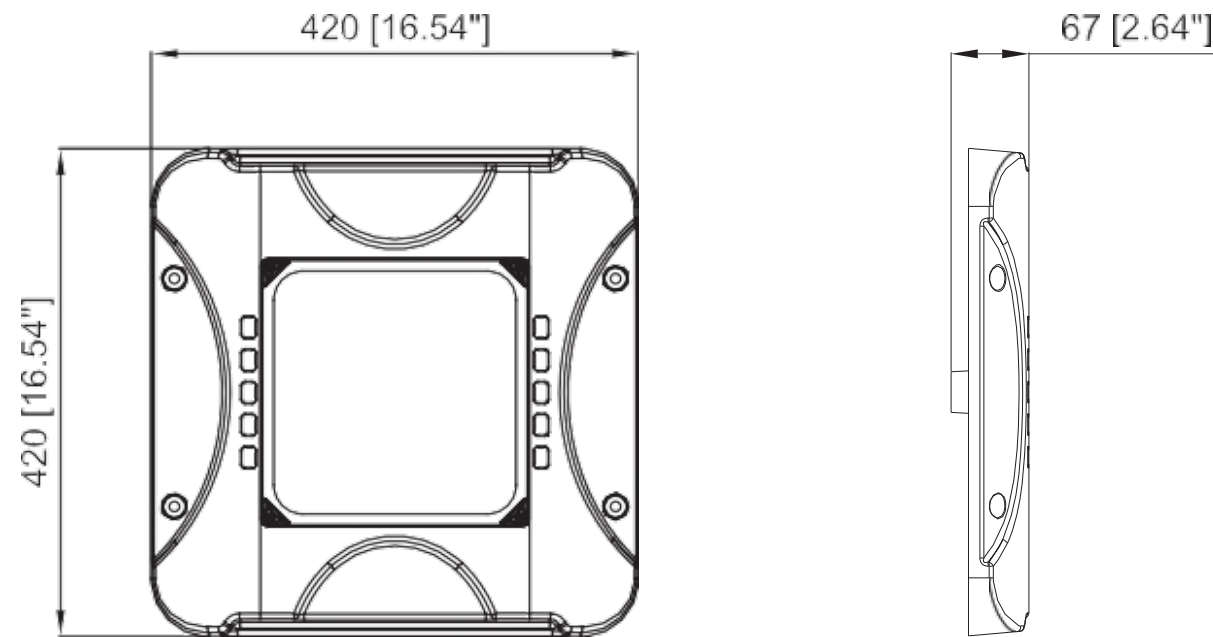


LED GAS STATION CANOPY

ESPECIFICATIONS

SKU	HYA-GS-150W-57K
Working Voltage	AC100-277V
Wattage	150W
CCT	5700K
Lumens	21105 lm
Lamp Bead Model	2835 Lumileds
Lamp shell	White
Beam Angle	110°
Lighting Efficiency	130 Lm/W
Color Rendering Index	Ra>80
Working Temperature	-40 °F ~+104 °F / -20 °C ~ +40 °C
Storage Temperature	-40 °F ~+158°F / -30 °C ~ +50 °C
Environment Location	IP 65 - Wet Location
Lifespean	> 50000H
Dimming	0-10V
DLC ID	PLCO4VJP1TAX
Package Info	18.5" X 18.5 " X 4.61"
P/C Master Pack	1
Weight	13.8 LB

PRODUCT DIMENSION



ORDERING CODE DEFINITION

EXAMPLE: HYA-GS-150W-57K			
Company Code	Product	Power	CCT
HYA	GS: Gas Station Canopy	150W	5700K





# ALINA LIGHTING SOLUTIONS

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