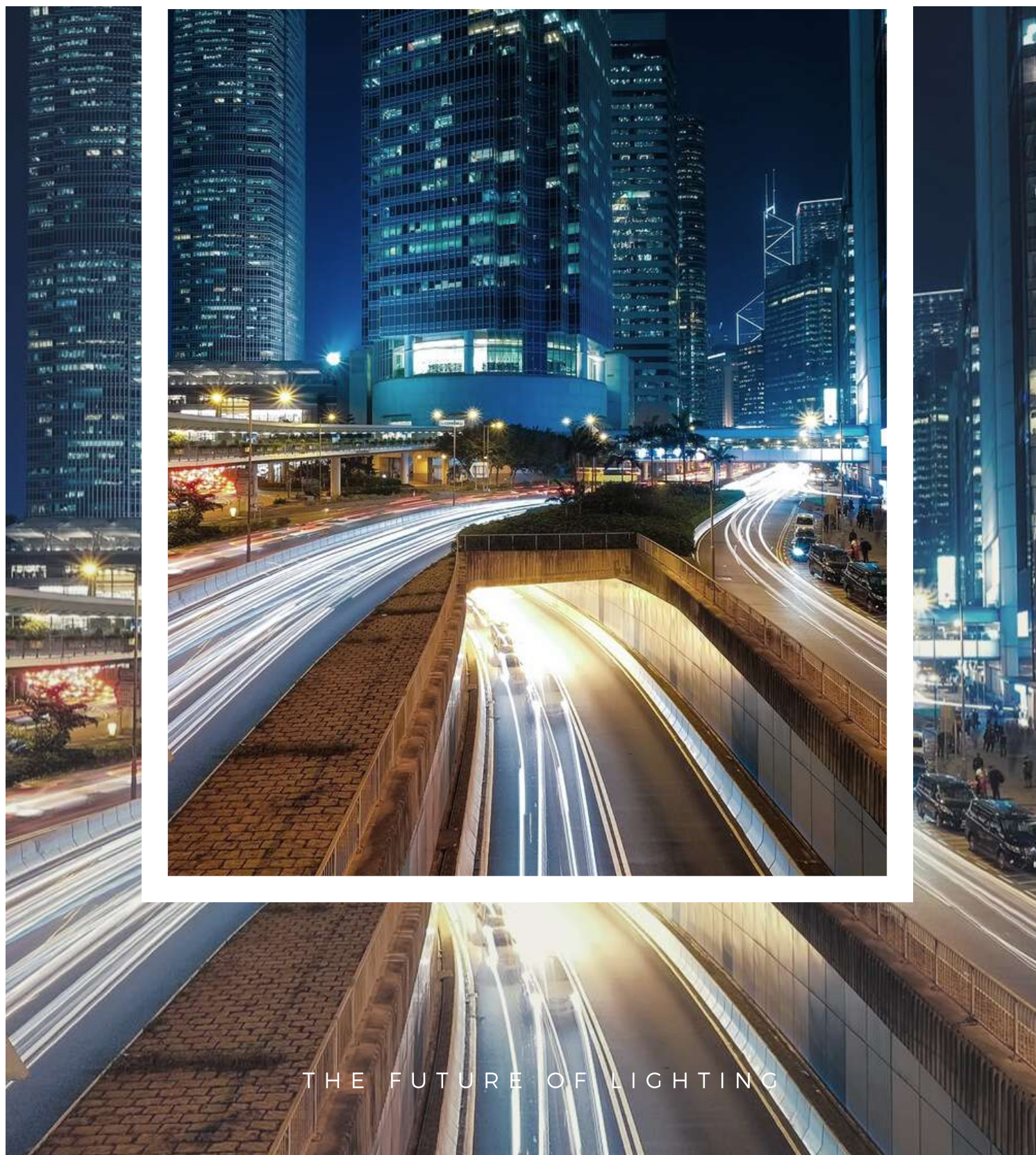




CATALOG 2021



THE FUTURE OF LIGHTING

# Content

## PRODUCTS

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## BONLD MÉXICO

With more than 13 years in the lighting market and presence in more than 100 countries BONLD arrives in Mexico to consolidate itself as a leader in its class.



### AB Series Solar Lighting

The AB series of all-in-one solar street lighting (AIO) is a mix of design and technology for common needs

### HY Series public Solar Lighting

taking efficiency and sustainability to the next level

### SB Shoebox Series

Our electrical series is the perfect mix between performance and efficiency

### SS solar street lighting Smart

A true comprehensive public safety system taking technology to where it is most needed.

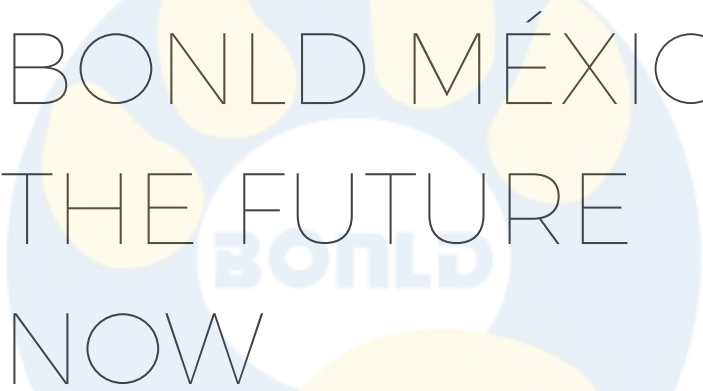
### Stadium Light

An alternative light source with longer life and better uniform distribution of light.

### UFO

BONLD UFO waterproof plant growth lamp





# BONLD MÉXICO

## THE FUTURE NOW

### SHENZHEN BONLD MÉXICO

In BONLD Mexico we are proud to produce the best luminaires in the market, with more than 13 years in the world market, representation in more than 100 countries of the world and with, more than three thousand global customers we consolidate ourselves as one of the largest companies in The bouquet of LED lighting and solar LED.

As one of the leading products in LED lighting in North America. Now focused on the national market, we took on the task of bringing to Mexico the products that will change the history of lighting in Mexico, Products designed to meet the needs of our customers and designed in the climatic conditions of our country 100% focused on Quality and designed to last a lifetime.



As manufacturers, we are sure that whatever your need at BONLD Mexico we will have the solution tailored as with our team we can design and build what your project requires.

*"Seeking to bring the benefits of high efficiency solar energy to where it is most needed, we create something available to all without neglecting that we all deserve the best"*

**-Huang Jianhua- CEO BONLD GROUP**



# SERIE AB

SOLAR LIGHTING ALL IN ONE

The principle of operation of the solar luminaire: during the day, the solar luminaire is controlled by an intelligent controller. The solar panel is irradiated by sunlight, absorbs solar radiation and converts it into electrical energy to charge the battery. At night, the battery pack provides power to supply the LED lighting. The DC controller can ensure that the battery is not damaged due to an overload or overload, while it has temperature compensation and lightning protection, reverse polarity protection and other functions such as light and time control, lighting in different circumstances ( different powers can be programmed in each period of time) Intelligent lighting 3-5 rainy days (can be designed according to customer requirements), infrared detection with remote control option for monitoring and administration of each luminaire through the computer or APP.



## PARAMETERS

Model#:	AB-SL30	AB-SL50	AB-SL60	AB-SL80
Lumens:	3000lm	5000lm	6000lm	8000lm
LED Life:	50000H	50000H	50000H	50000H
Solar Panel:	18V/35W	18V/45W	18V/60W	18V/75W
Battery:	Grade A Lithium 12V 18AH	Grade A Lithium 12V 25AH	Grade A Lithium 12V 30AH	Grade A Lithium 12V 40AH
Control Mode:	PIR+Light+time	PIR+Light+time	PIR+Light+time	PIR+Light+time
Body Material:	AL	AL	AL	AL
Working time:	>15h	>15h	>15h	>15h
Charging time:	6-8h	6-8h	6-8h	6-8h
Beam Angle:	60 X 140	60 X 140	60 X 140	60 X 140
Protection Grade:	IP65 <sup>°</sup>	IP65 <sup>°</sup>	IP65 <sup>°</sup>	IP65 <sup>°</sup>
CCT:	4000 - 6000K	4000 - 6000K	4000 - 6000K	4000 - 6000K
CRI:	>70	>70	>70	>70
Working Temperature:	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C
Installation Height:	3~4M	4~6M	6-8M	8-10M



*"If we want to be the best, we have to develop only the best, the HY series checks the vision of continuous improvement of our plant, only the best gathered in a single product"*

**- SHENZHEN BONLD MÉXICO**



# HY SERIES

IN THE INTELLIGENT CITY ROAD



The HY series is an organic combination of monocrystalline high efficiency silicon solar panel, high quality LED component and intelligent sensor control system, without wiring, electricity, easy installation and almost zero maintenance.

An elegant design, a sustained efficiency of up to 195 lm / w, long-life ferrous lithium battery (lifePO4), IP65 certification, IK / O8 with Japanese optics that allows type 3 curves where a lamp of similar maximum maximum power type 2 .



## PARAMETERS

Model#:	BSL-HY3K-01	BSL-HY4K-01	BSL-HY6K-01	BSL-HY7K-01	BSL-HY8K-01
Lumens:	2000Lm	4000Lm	6000Lm	8000Lm	10000Lm
Lumen/Watt:	190lm/W	190lm/W	190lm/W	190lm/W	190lm/W
Solar Panel:	10W	25W	45W	75W	75W
Ternary Lithium Battery:	37.5AH 3.7V	52.5AH 3.7V	75AH 3.7V	78AH 3.7V	105AH 3.7V
On-off threshold level:	10~20Lux / 30~40Lux	10~20Lux / 30~40Lux	10~20Lux / 30~40Lux	10~20Lux / 30~40Lux	10~20Lux / 30~40Lux
Material:	Die-casting Aluminium alloy	Aluminium alloy + Tempered Glass	Aluminium alloy + Tempered Glass	Aluminium alloy + Tempered Glass	Aluminium alloy + Tempered Glass
Beam Angle:	70 * 150°	70 * 150°	70 * 150°	70 * 150°	70 * 150°
CCT:	4000 - 6000K	4000 - 6000K	4000 - 6000K	4000 - 6000K	4000 - 6000K
Product Dimensions:	490x363x43mm	490x363x43mm	793x363x43mm	1205x363x43mm	1205x363x43mm
Working Temperature:	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C
Installation Height:	3~4M	4~5M	6~8M	8-10M	8-10M

## MPPT TECHNOLOGY

“Maximum Power Point Tracking”

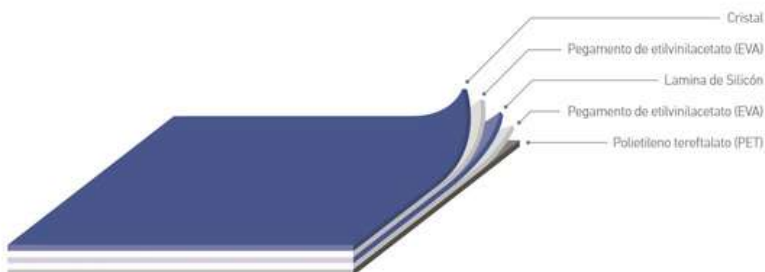
The MPPT controller can detect the energy generated by the solar panel in real time and track more values High voltage and current.

Tracking efficiency is superior at 99%, which allows the system to load The battery with the highest efficiency. Compared to controller Traditional PWM, the MPPT controller can maximize panel power, so you can provide more charging current.



## MONOCRISTALINE SOLAR MODULE

The AIO series is the result of a organic and fluid design that combines a solar panel LED components Phillips next to a presence sensor smart, no wires, no electricity, of simple installation designed for reach the goal of zero emissions. The panel has silicon sheets first class monocrystalline the energy production capacity is increases by 10% and efficiency Photoelectric conversion is from up to 25%.





# SB SERIES

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HIGH EFFICIENCY ELECTRICAL LIGHTING WITH THE MAXIMUM DEGREE  
OF MARKET PROTECTION AND GUARANTEE

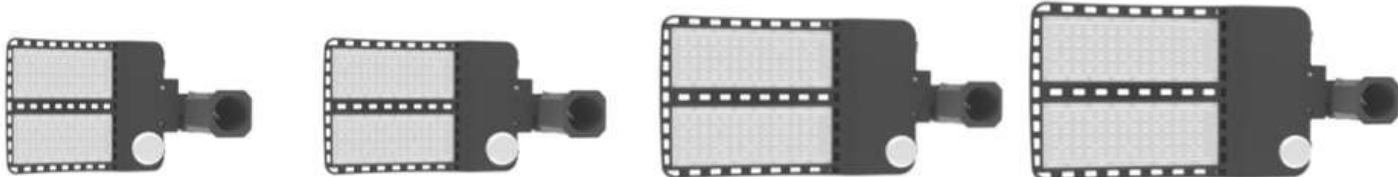


## EFFICIENT SOLUTION IN ELECTRICAL LIGHTING

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## MODELS

				
Power	100W	150W	240W	300W
Model #	AB-SL-100W-XXXX	AB-SL-150W-XXXX	AB-SL-240W-XXXX	AB-SL-300W-XXXX
Lumen Output	14,000 lm	21,000 lm	33,600 lm	42,000 lm
Dimensions (inches)	11.65x17.17x2.83	12.05x19.21x2.83	13.58x20.98x2.83	13.98x23.15x2.83
NET Weight	5.75kg	6.16kg	7.14kg	8.69kg
Packing size (inches)	14.57x23.94x6.1	14.96x25.98x6.1	16.5x27.76x6.1	13.98x23.15x2.83
LED Chips & Driver	Aboka Driver / Inventronics Driver / Mean Well Driver			
Color Temperature	3000k-4000k-5000k-5500k-6000k			
Long Term Lumen Maintenance @70%	70,000 Hours Average TM21 Projected L70 (6k)			
Optical Distribution	Type III / Type IV / Type V			
Working Temp.	-40° - 60°			
IP Grade	IP67			
Input Voltage	AC100V~277V / AC200 ~ 480V			
Frequency Range	50Hz ~ 60Hz			
LED Efficacy	140 LM/W			
Power Factor	> 0.95			
Driver Efficiency	> 90 %			
CRI	Ra > 80			



## COMPONENTS



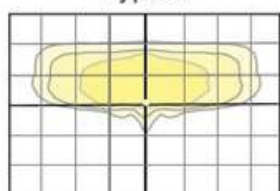
1. Heat-conducting Silican
2. PCB
3. Heatsink
4. Photo sensor bracket

5. Easy installions
6. Type B Bracket
7. Type C Bracket
8. Installation Accessories

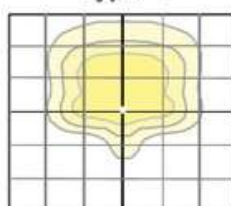
9. Optical lens, PC Material, Type III/IV/V
10. Led Driver
11. Led driver Cabinet cover
12. Rotary installation for longterm afterservice

## OPTICAL DISTRIBUTION

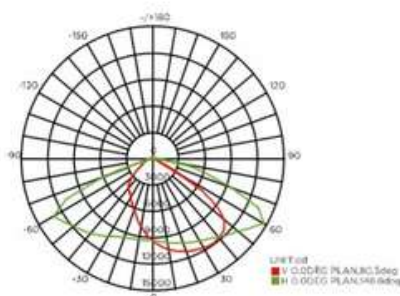
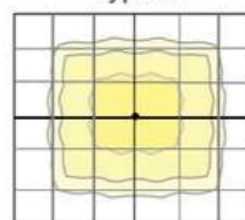
Type 3



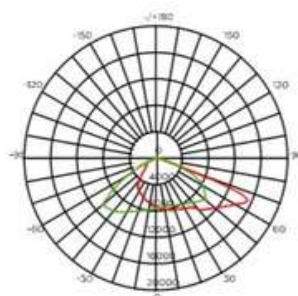
Type 4



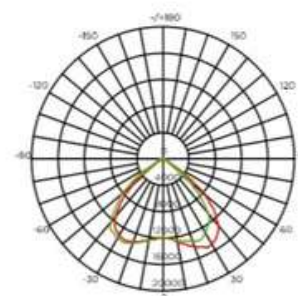
Type 5



AVERAGE BEAM ANGLE(50%):114.7

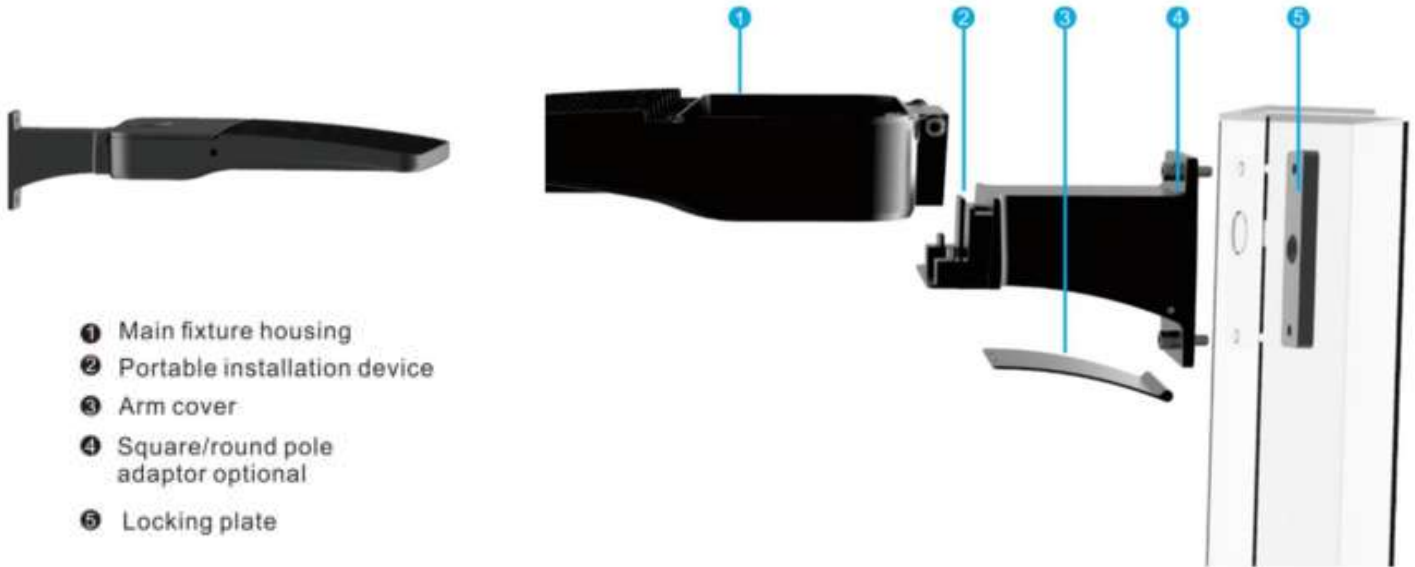


AVERAGE BEAM ANGLE(50%):100.1



AVERAGE BEAM ANGLE(50%):102.8

## EASY INSTALLATION



## SB SERIES ADVANTAGES

- 1.- 7 YEARS WARRANTY
- 2.- IP67 CERTIFICATE WATER AND DUST TEST
- 3.- HIGH LIGHT EFFICIENCY OF UP TO 140 LUMEN / WATT
- 4.- ADJUSTABLE ANGLE FROM 15 TO 90 DEGREES TO INCREASE ITS OPT
- 5.- LOW ELECTRICAL CONSUMPTION
- 6.- EASY INSTALLATION
- 7.- OPTICAL DISTRIBUTION FROM TYPE III TO IV
- 8.- GREATER INTERPOST DISTANCE







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# SS SERIES

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THE FUTURE OF PUBLIC LIGHTING IS  
TODAY AND NOW

AT THE FOREFRONT

TECHNOLOGY

SECURITY

CONNECTIVITY

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SHENZHEN BONLD MÉXICO  
BLVD. KINO 309 COL. COUNTRY CLUB , TORRE DE HERMOSILLO PISO 3  
HERMOSILLO, SONORA, MÉXICO

# THE FUTURE OF LIGHTING

## SS SERIES

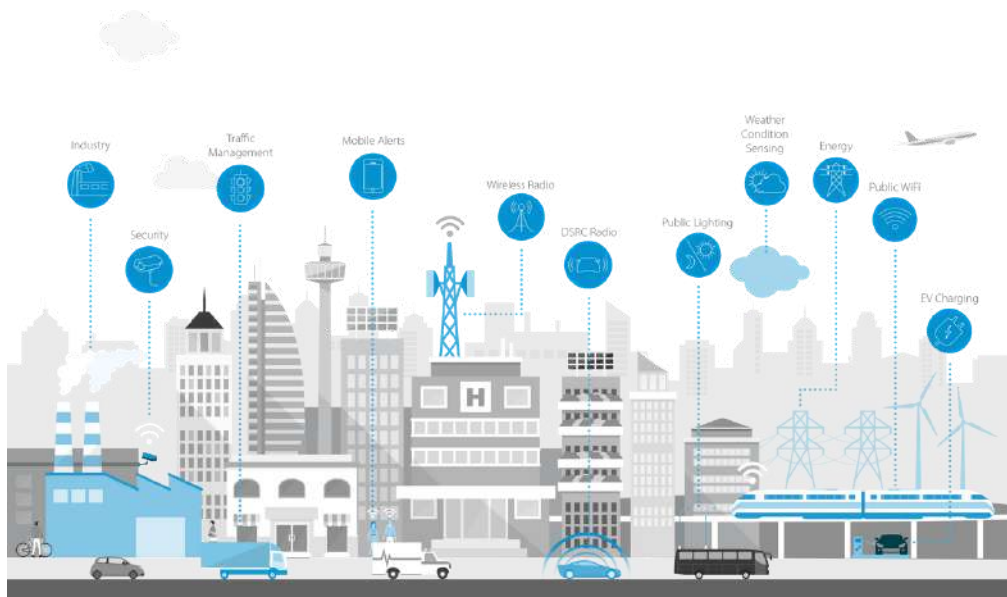
The SS series comes from its meaning in "safety street" or safe street, in it we integrate all the necessary elements to offer not a lamp but a comprehensive public safety system,

The SS series encompasses design, technology and security with an integrated high-definition security camera, connectivity via WiFi or LoRa and intelligent load monitoring systems and other fundamental aspects in the operations of the SS series.

We offer the market a set of solutions according to the needs of the modern population. The scope of this series is enormous, from connecting a lamp to a phone or tablet to connecting entire cities in a control center where thousands are linked.



*"We are obliged to evolve to the rhythm of the needs of the modern population the SS series encompasses the best of our products by adding elements and connectivity that lead it to be the lamp of smart cities "*





## OUTDOOR SMART WIFI CAMERA

The C4W protects the outdoor spaces of your home or business in a professional and safe way with active defense, extended night vision, bidirectional audio and IP67 protection against water and dust, among others.



**FHD**

1080p



Night Vision  
(up to 30m / 98 ft.)



Active Defense with  
Siren and Strobe light



Customizable  
Voice Alerts



Two-Way Talk

**H.265**

H.265 Video  
Compression



Wi-Fi 2.4 GHz, Built-in  
Dual Wi-Fi Antennas



Waterproof and  
Dustproof IP67



Supports MicroSD Card  
(up to 256 GB)



## PARAMETERS

Model#:	BSL-HY3K-01	BSL-HY4K-01	BSL-HY6K-01	BSL-HY7K-01	BSL-HY8K-01
Lumens:	2000Lm	4000Lm	6000Lm	8000Lm	10000Lm
Lumen/Watt:	190lm/W	190lm/W	190lm/W	190lm/W	190lm/W
Solar Panel:	10W	25W	45W	75W	75W
Ternary Lithium Battery:	37.5AH 3.7V	52.5AH 3.7V	75AH 3.7V	78AH 3.7V	105AH 3.7V
On-off threshold level:	10~20Lux / 30~40Lux	10~20Lux / 30~40Lux	10~20Lux / 30~40Lux	10~20Lux / 30~40Lux	10~20Lux / 30~40Lux
Material:	Die-casting Aluminium alloy	Aluminium alloy + Tempered Glass	Aluminium alloy + Tempered Glass	Aluminium alloy + Tempered Glass	Aluminium alloy + Tempered Glass
Beam Angle:	70 * 150°	70 * 150°	70 * 150°	70 * 150°	70 * 150°
CCT:	4000 - 6000K	4000 - 6000K	4000 - 6000K	4000 - 6000K	4000 - 6000K
Product Dimensions:	490x363x43mm	490x363x43mm	793x363x43mm	1205x363x43mm	1205x363x43mm
Working Temperature:	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C
Installation Height:	3~4M	4~5M	6~8M	8-10M	8-10M

## MULTIPLE STORAGE OPTIONS

### FULL HD SECURITY, DAY AND NIGHT

Normal 720p camera With Full HD 1080p resolution, the C4W camera offers crystal clear video surveillance all day. In addition, an advanced night vision system allows you to view image details up to 30 meters (98 feet) in the dark.



By having various storage options, it is possible to select where to save the recordings. The cameras can even store in all three locations at the same time (SD, Encrypted Cloud Storage and EZVIZ NVR) in order to have additional backup copies in case of camera breakdown or network failure.



## PARÁMETROS DE CÁMARA

### Camera

Image Sensor	1/2.7" Progressive Scan CMOS
Shutter Speed	Self-adaptive shutter
Lens	2.8mm, view angle: 103° horizontal, 118° diagonal 4mm, view angle: 87° horizontal, 104° diagonal
Lens Mount	M12
Day & Night	IR-cut filter with auto-switching
DNR	3D DNR
WDR	Digital WDR



### Compression

Video Compression	H.265 / H.264
Video Bit Rate	Ultra-HD; HD; Standard; Adaptive bit rate.

### Image

Max. Resolution	1920 × 1080
Frame Rate	Max: 30fps; Self-adaptive during network transmission

### Wi-Fi

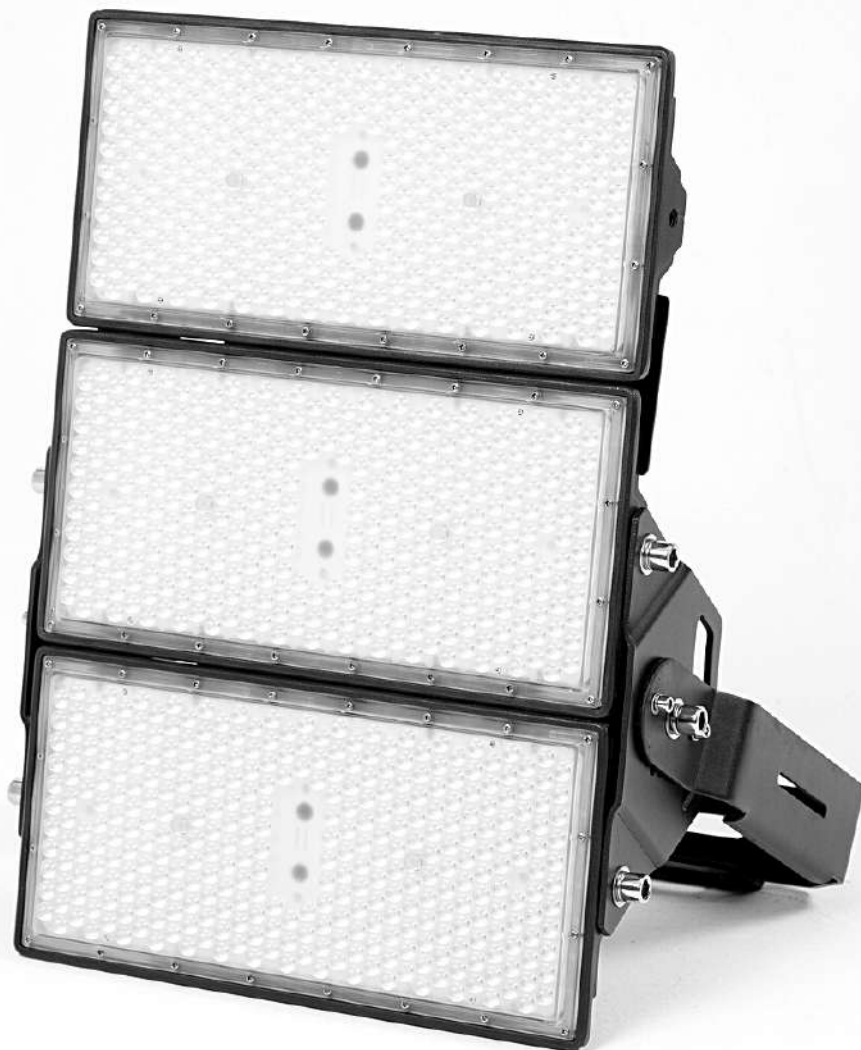
Standard	IEEE802.11 b/g/n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	Supports 20MHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Transmission Rate	11b: 11Mbps, 11g: 54Mbps, 11n: 144Mbps

### General

Power Supply	DC 12V/1A
Power Consumption	6W max
IR Range	Max: 30m (98.43 ft.)
IP Grade	IP67
Dimensions	Max Diameter: 105 mm (4.13"); Height: 95 mm (3.74")
Packaging Dimensions	147 mm x 145 mm x 173 mm (5.79" x 5.71" x 6.81")



# STADIUM LIGHT



*An alternative light source with longer life and better uniform light distribution*



# LED STADIUM LIGHT



## Line-Up

Model No.	Watts(W)	Light Output(lm)	Dimension(mm)	Light Color(K)	Beam Angle(Degree)
BD-FLHX400-F-W-QW-B-E-G-60L	400±10%	60000-10%	370*373*144	5000K	60

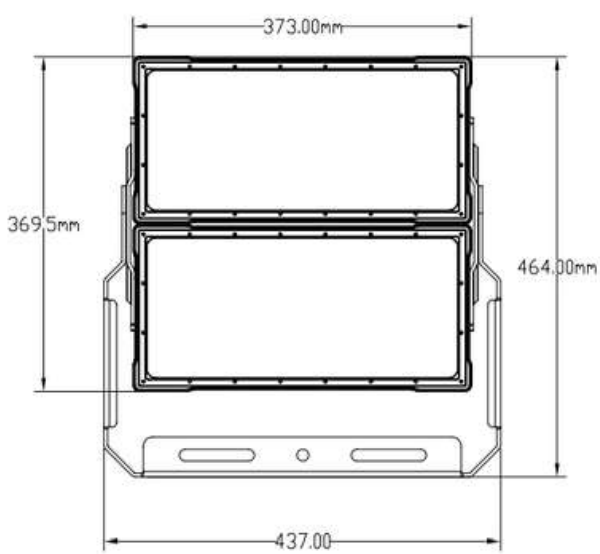
## Technical Specifications

Item	Test Conditions	Min.	Typ.	Max.
Input Voltage(V, rms)	AC	100	220	277
Input Current(mA, rms)	AC(220V)	---	1818	---
Input Power(W, rms)	AC(All)	---	400	---
Input Frequency(Hz)	AC	---	50/60	---
Power Factor(PF)	AC(All)	≥0.9		
Output Voltage(V)	DC	47	48	49
Output Current(A)	DC	3.8*2	3.9*2	4*2
Output Power(W)	DC	357	375	392

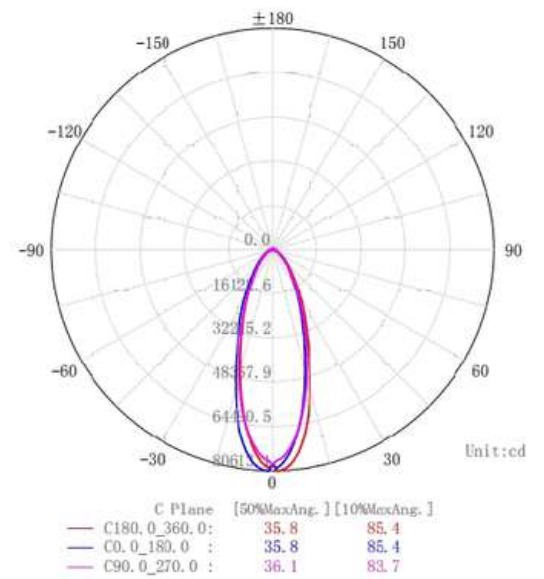
## Environmental Requirements

Specifications	Values
Operational Temperature Range	-40~40℃
Preservation Temperature Range	-40~90℃
Operational Humidity Range	95%Rh or below (@-20~40℃)
Installation Area	Outdoor (Counter, Residential, Commercial, etc)

Material	IP
ADC12	IP66
PC	



C Plane Distribution Diagram





# BONLD UFO



*Waterproof plant growth lamp, calibrated for the specific spectrum in order to meet the requirements of different types of plants, condenser lens lampshade, high quantum density of light; For vegetable cultivation, ornamental plant cultivation, succulent plant cultivation, greenhouses, It is especially used for planting tents and scientifically experimental planting.*

## FEATURES

A variety of symmetric and asymmetric optics with maximum rectangular and circular patterns for the use of light.

- ◆ Aluminum material whose heat dissipation capacity is higher.
- ◆ Promotes photosynthesis.
- ◆ IP 65 waterproof.
- ◆ High power, high PPFD, growth improvement and energy saving.
- ◆ Stimulates anthocyanin synthesis.
- ◆ Ensure maximum return on investment.
- ◆ Multiple beam angle: 60 °, 90 °, 120 °
- ◆ Tempered glass cover, high transmission rate of up to 95%
- ◆ AL1070 cold forging aluminum, excellent heat dissipation and resistance support
- ◆ Honeycomb and ring-shaped heat dissipation performance, thermoelectric separation technology to ensure safety



## PARAMETERS

Power	LED QTY	Current (28.8-48V)	PF	Wave length ratio							Optical transmittance	PPFD Value $\mu\text{mol}/(\text{m}^2\cdot\text{s})$
				Red 2V	Blue 3V	IR 2V	UV-B 3V	4000K (3V)	3000K (3V)	R3 2V		
100W	119	2A	>93%	8	1	1	1	1	1	3	>92%	918.35 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.3m 239.32 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.6m 107.3 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.9m
150W	198	3.25	>93%	8	1	1	1	1	1	3	>92%	1011.5 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.3m 230.44 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.6m 102.4 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.9m
200W	252	4.1	>93%	8	1	1	1	1	1	3	>92%	1924 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.3m 489.89 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.6m 217.23 $\mu\text{mol}/(\text{m}^2\cdot\text{s})$ 0.9m

# APPLICATIONS



Wave length Table	
Royal	445nm 440-460nm
Blue	470nm 460-490nm
Cyan	505nm 490-520nm
Green	530nm 520-550nm
RED	627nm 620-645nm
Red-Orange	617nm 613-620nm
Amber	590nm 585-597nm

280nm ~ 315nm Without great effect on the morphological and physiological processes of the plant.

315 nm ~ 400 nm: small absorption of chlorophyll, which affects the effect of the photoperiod and avoiding the lengthening of the diameter.

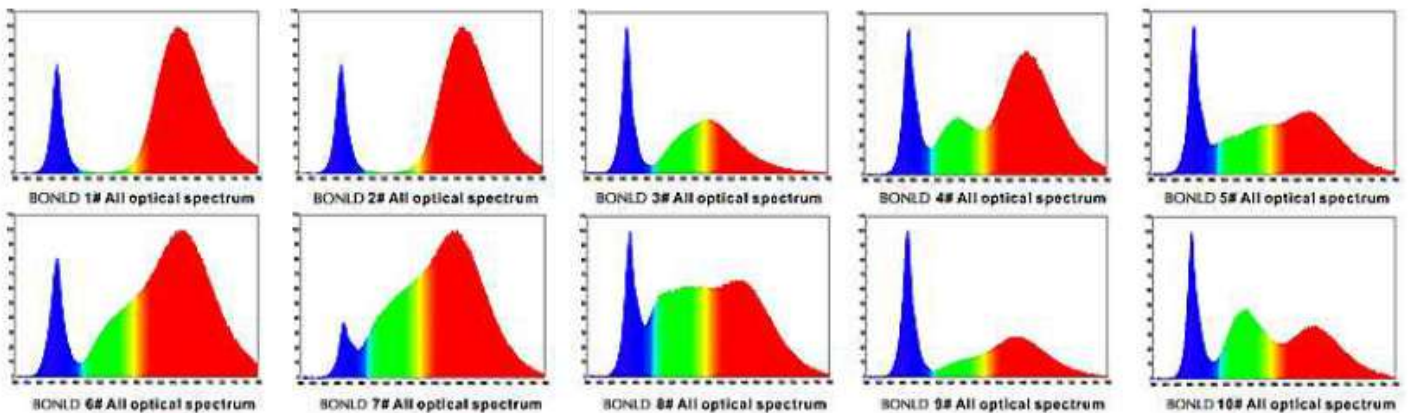
400 nm ~ 520 nm (blue) Chlorophyll and carotenoids have the highest absorption rate and the greatest influence on photosynthesis

520 nm ~ 610 nm (green) : low pigment absorption rate.

610 nm ~ 720 nm (red) : low chlorophyll absorption rate, significant effects on photosynthesis and photoperiod effects.

720nm ~ 1000nm: low absorption rate, stimulating cell extension, affecting flowering and seed germination.

> 1000 nm: conversion to thermal effect.







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