

# BOLA

## LED BOLLARD LIGHTS



### ■ Sustainable Energy Source:

Solar-powered bollard lights harness solar energy to power LED bulbs, reducing reliance on traditional electricity sources and minimizing carbon emissions.

### ■ Easy Installation and Low Maintenance:

With integrated solar panels and no need for wiring, installation is straightforward, and ongoing maintenance is minimal, making these lights a hassle-free choice for outdoor lighting.

### ■ Enhanced Safety and Visibility:

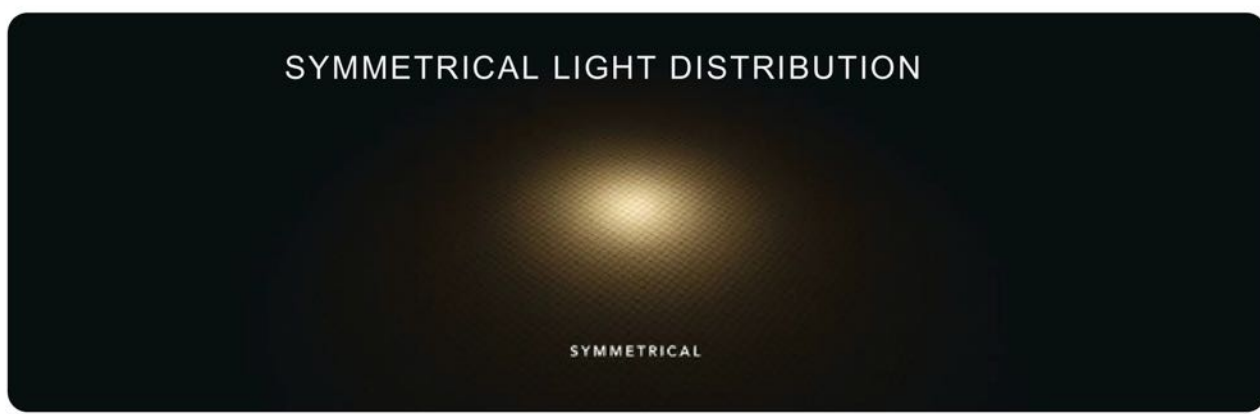
By providing bright illumination along pathways and outdoor spaces, solar-powered bollard lights enhance safety and visibility, creating a welcoming and secure environment for pedestrians and vehicles alike.

### PRODUCT DESCRIPTION

BOLA Solar-powered bollard light is a modern, sleek, eco-friendly solution for outdoor lighting, using renewable solar energy to illuminate pathways, driveways, and outdoor areas. With integrated solar panels, they capture sunlight to charge the built-in lithium battery, powering LEDs at night. Easy to install and requiring minimal maintenance, these lights offer sustainable, cost-effective, and attractive illumination for any outdoor space.



IP65



SYMMETRICAL LIGHT DISTRIBUTION

SYMMETRICAL

## PERFORMANCE DATA:

NOMINAL FLUX	250 LUMENS
NOMINAL POWER	1.8 WATTS
<b>LIGHTING</b>	
EFFICIENCY	140 Lumens/ Watt
LED CHIP SET	Luxeon 30-30 Philips
LED LIFETIME	L70 Rating at 80,000
OPTICS/CCT	TV Optics/ 4000K-5000K (Dual CCT optional)
BOLLARD HEIGHT TO CHOOSE FROM	31.49Inch
<b>BATTERY</b>	
TECHNOLOGY	Lithium Iron Phosphate LiFeP04
CAPACITY	28Wh
AUTONOMY	Over 24 hours at full charge - 4 Rainy Days back-up
CHARGING TIME	6 Hours
LIFESPAN	Over 3000 Cycles @ 80% DOD over 10 years Lifetime
WORKING TEMP.	14F to 158F
<b>ENERGY</b>	
SOLAR PANEL	4.5 Wc
CELLS TYPE	Monocrystalline Panel Grade A 25 years
CERTIFICATIONS	IEC 61215 - IEC 61730 I and II - IEC 60904
ELECTRONICS	
SENSOR	PIR 180° Sensor (Optional)
<b>DIMENSIONS</b>	
PRODUCT	(D 9.84" x H 31.49")
CARTON SIZE	(33.46" x 12.59" x 13")
WEIGHT	12.34 LBS
MATERIALS	Die Cast Aluminum
INSTALLATION	Concrete base or insert on support
PRODUCT MODEL	AF42XAVS-BL-015

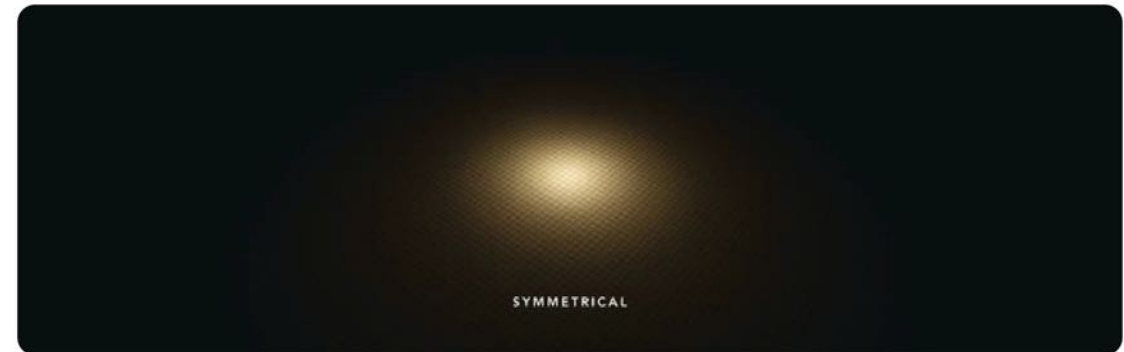
## SPECIFICATIONS:

Model #	SKU #	Fixture Height	Power	PV Type	Solar Panel	Lithium Battery	Lumens	CCT	IP Rating	Material
AF42XAVS-BL-015	787900	31.49"	1.8W	MONO	4.5W	4.5AH / 6.4V	250LM	2700K/6000K	IP65	ALUMINUM

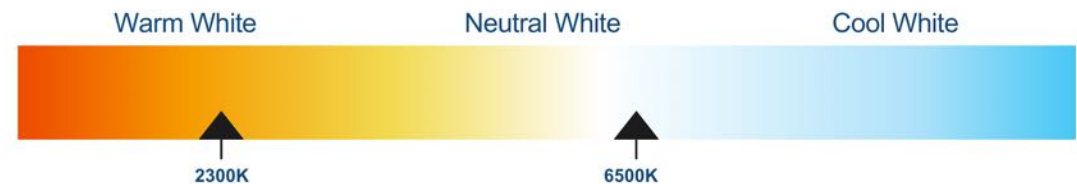
## LUMINAIRE & LEDs

The BOLA Bollard incorporates the latest LED technologies, its elegance and ease of installation will meet your lighting needs. BOLA is equipped with LED chips, combining performance and robustness with 140 lumens per watt.

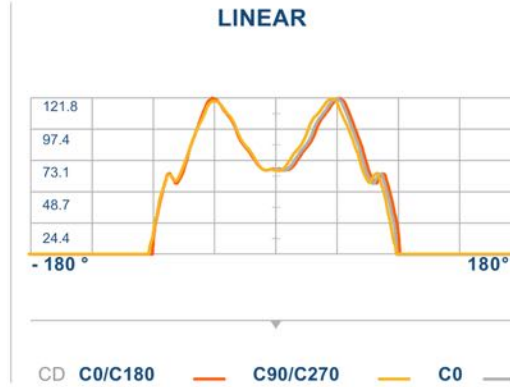
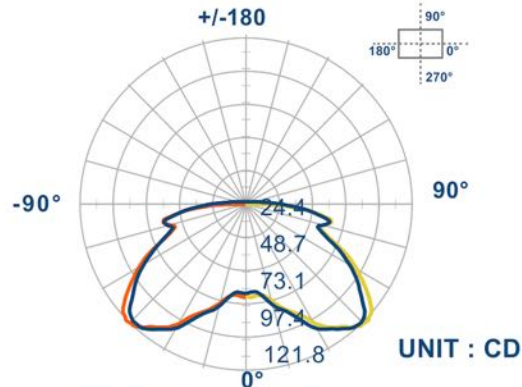
## SYMMETRICAL DISTRIBUTION



## CORRELATED COLOR TEMPERATURE



## PHOTOMETRIC CURVE



## BATTERY LIFEPO4

The BOLA bollard is equipped with Lithium Iron Phosphate LiFePO4 batteries, recognized as the best battery technology in terms of longevity, safety, and performance for solar applications. The batteries has a lifespan of over 3000 cycles, which is more than 10 years at 80% DOD.

## EXTREME TEMPERATURE 14F TO 158F

While standard batteries benefit from an operating temperature of 14F to 158F, Access Fixtures offers as optional a new Special LiFePO4 battery with working range of -40F to 158F

## BMS ELECTRONIC PROTECTION BATTERY MANAGEMENT SYSTEM

The batteries are equipped with electronic circuit boards for a high er protection, ensuring battery functioning optimization in any situation.

THE BMS PROTECTS AGAINST

OVER/UNDER CURRENT • OVERLOAD • OVER/UNDER VOLTAGE • OVER/UNDER CHARGE • TEMPERATURE MANAGEMENT

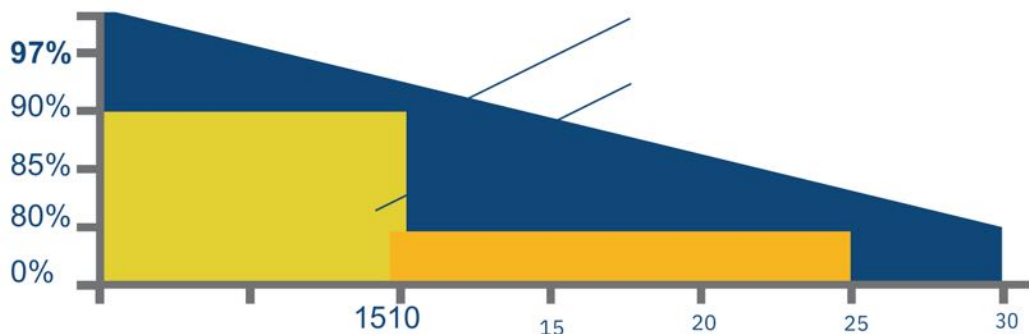


## SOLAR PANEL - 4.5 WATT

Encapsulated Monocrystalline Solar Panel **Grade A** Solar Cell with Tempered Glass.

## OUR PV PERFORMANCE GUARANTEE

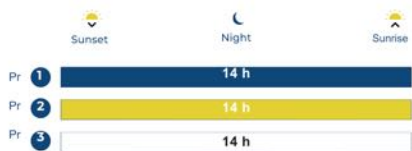
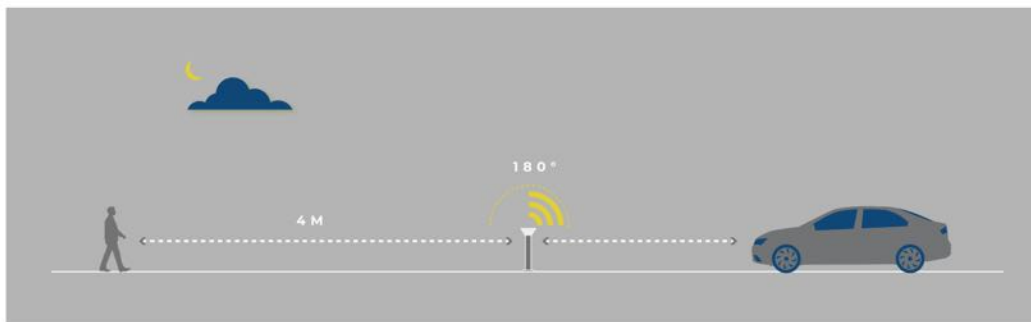
Guarantee module performance



## PRESENCE DETECTOR INFRA-RED SENSOR

### THE BOLA BOLLARD AUTOMATICALLY TURNS ON AT DUSK AND OFF AT DAWN.

BOLA offers optional PIR movement sensor. The infra red detector integrated into the light fixture will increase the light power as pedestrians or vehicles pass, thus providing a higher level of safety while respecting the environment.

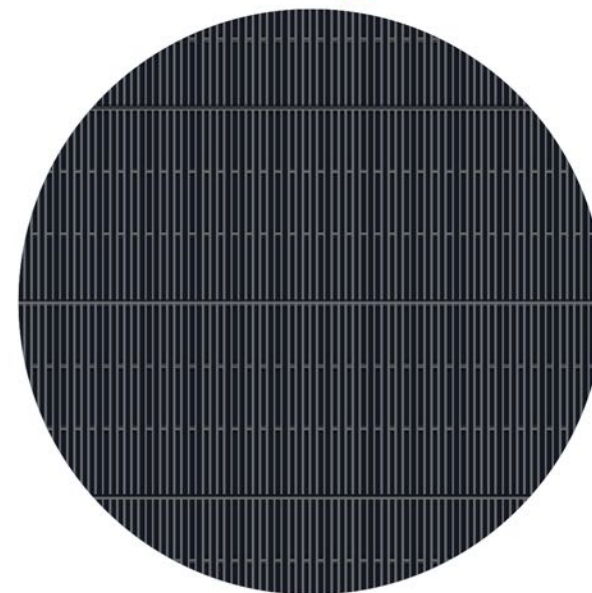


Depending on the geographical area, we will select the % of light reduction.

- Program 1 > 40% Dim + 100% ON during 20 sec
- Program 2 > 30% Dim + 100% ON during 20 sec
- Program 3 > 20% Dim + 100% ON during 20 sec

## Solar Panel

GRADE **A**



## IP65



## EASY INSTALLATION

### NO CABLING • NO TRENCHING

No wiring or trenching is necessary, you just need to embed the BOLA in concrete or on anchor rods.

### To activate the bollard after installation, follow these steps:

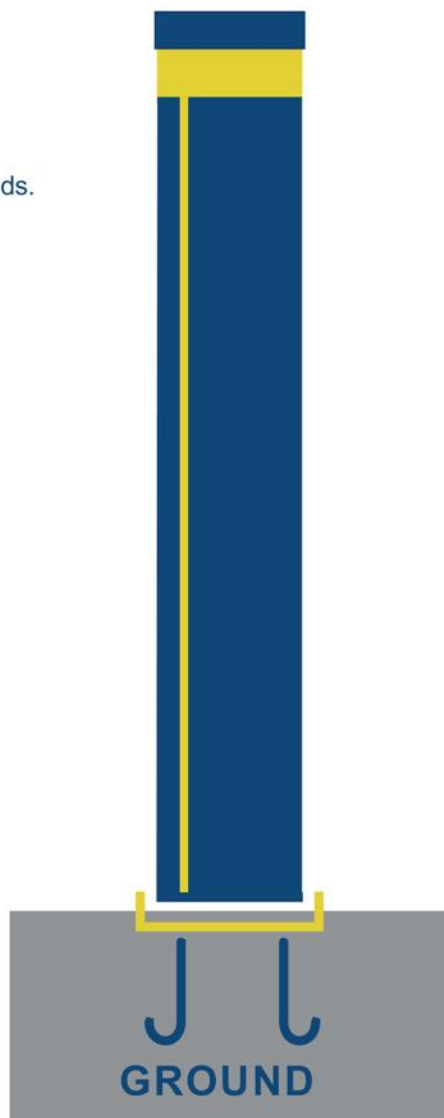
Locate the small rubber cap beneath the light. Pull back the rubber cap to reveal a button inside the hole. Use a long screw or Allen wrench to press the button. Cover the rubber cap back in place.

### To test the bollard:

Completely cover the solar panel with cardboard or a dark cloth.

After waiting a few seconds, the light should illuminate.

Your bollard is now activated, and it will automatically come on at dusk.



FLAT MOUNT

## DIMENSIONS

### BOLLARD AND BASE

