

Solar Powered LED Bollard



CONSTRUCTION

- All-in-one design with solar panel, light engine and battery
- Modern form design, ideal for architectural outdoor application
- Die cast aluminum housing, clear glass diffuser

PHOTOMETRICAL INFO

- 4000K/5000K
- CRI>80

SOLAR & BATTERY

- 4*18V/12W mono-crystalline cell solar panel, with MPPT charge controller
- 3.2V/32AH LiFePO4 Battery, with overcharge and over-discharge protection
2000 charge cycles (2000/365 days=5.47 years)
- Battery charge time: 8-10 hrs*
- Max operation time: 36 hrs*

*Depend on sunlight quality

OPTICS

- 360° illumination, frosted lens in stock, clear lens optional*

*Extra lead time and MOQ may apply.

CONTROL MODE

- With pre-installed motion sensor
- Support dusk-to-dawn lighting, step dimming with motion sensor override, and time control

APPLICATIONS

- Parks, city streets, school campuses, pedestrian walkway

OPERATION TEMPERATURE

- -10°C (14°F) to 50°C (122°F)

LIFESPAN & WARRANTY

- 5 year warranty, 100,000+ hrs lifetime based on LM-80 results and TM-21 calculations

LISTINGS

- IP65 rated
- IK08 Impact rated

PRODUCT SPECIFICATIONS

Part Number	Watts (W)	CRI	CCT(K)	Efficacy (LM/W)	Lumens (LM)	Solar Panel Voltage(V)	Solar Panel Power(W)	Battery Voltage(V)	Battery Capacity(AH)	Charge Time(Hrs)	Max Operation Time(Hrs)
BOSL-S-C-8W	8	80	4000	181	1,450	18	12*	3.2	32	8-10*	36**
			5000	203	1,624						
BOSL-S-F-8W	8	80	4000	140	1,120	18	12*	3.2	32	8-10*	36**
			5000	157	1,254						

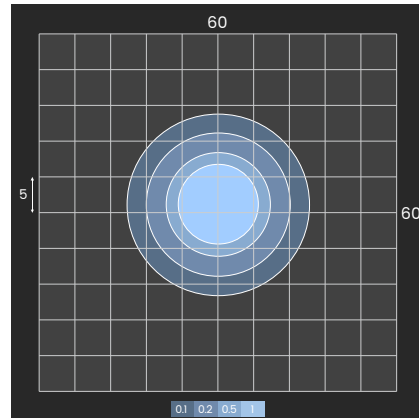
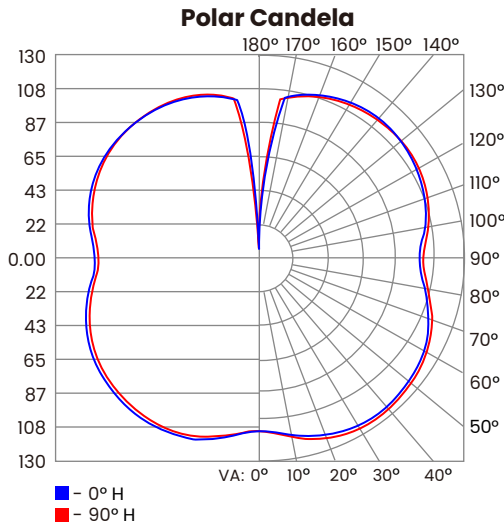
*Each bollard is equipped with 4*18V/12W solar panel.

**Charge time and operation time is depending on sunlight quality.

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LIGHT DISTRIBUTION PATTERN

BOSL-S-C-8W-40



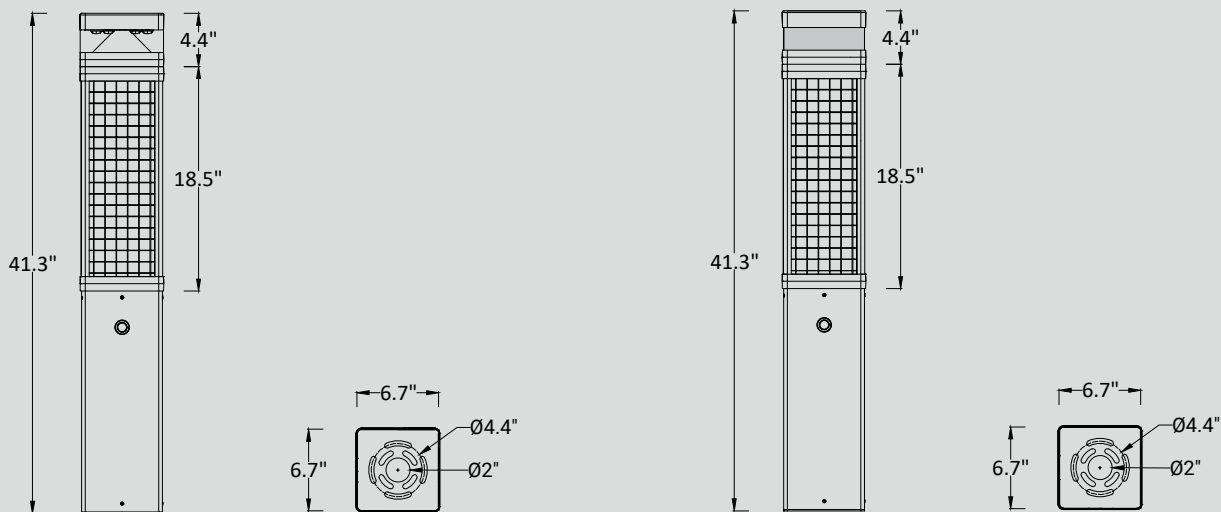
Manufacturer
Lamp Lumens
Lamp Quantity
Light Loss Factor
Input Power
Max Illuminance

ATG Electronics Configuration
1450 Orientation
1 Mounting Height
1 Arm Length
Tilt
9 Area > 0.5fc

Single
Single
3.5
1
0
236

These lighting calculation results are for general informational purposes only and are provided without warranty as to accuracy, completeness, reliability or otherwise. Results are based on user provided data and data provided from publicly available sources; actual field conditions may affect calculated output. Visit www.Visual-3D.com.

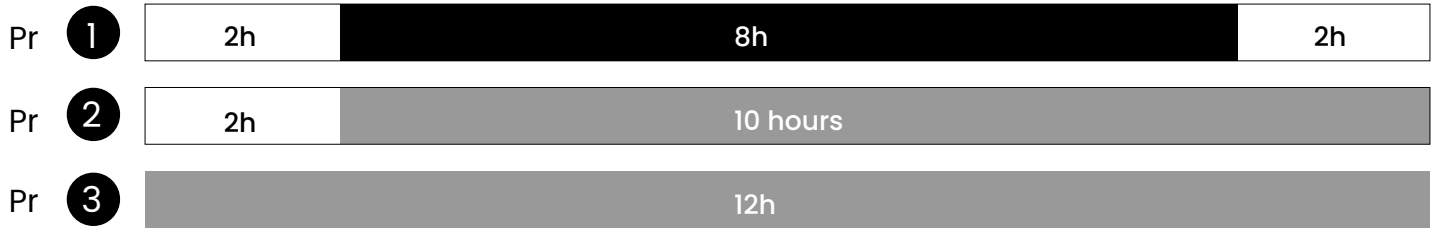
PHYSICAL SPECIFICATIONS




Part Number	Dimension	Net Weight	BUG
BOSL-S-C-8W	6.7"*6.7"*41.3"	26 lbs	B1-U4-G1
BOSL-S-F-8W	6.7"*6.7"*41.3"	26 lbs	B1-U4-G1

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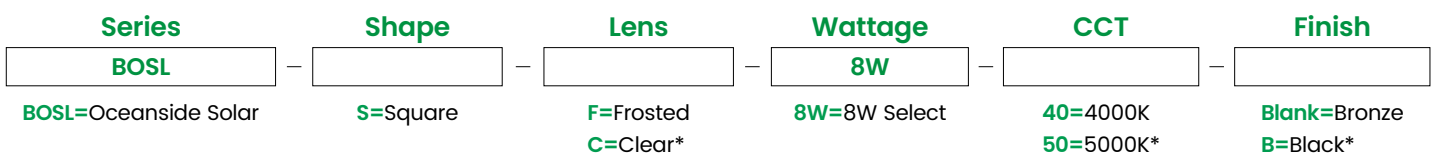
CONTROL MODE



100% Full Brightness 30% Dim
 30% dim without movement, 100% for 20 seconds when the motion sensor activated

Control mode can be switched with remote 

ORDER FORMAT



*Stock in 4000K, frosted lens, black finish, extra lead time may apply on other options.

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NATIONAL SOLAR RADIATION CHART

