

SP-8

SPECIFICATION SHEET

Architectural, Functional and Green Renewable. Exteria's Solar LED bollard is the perfect architectural grade bollard for renewable and low maintenance applications. Featuring a smart motion sensor, variety of optic selections, and color temperature options, these Solar LED Bollards make it ideal for applications such as resorts, off-road hiking trails, shopping malls, and other exterior applications.

FINISH



Black



Gray



Platinum silver

CCT



3000K



4000K



5700K



Amber

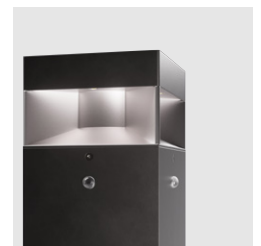
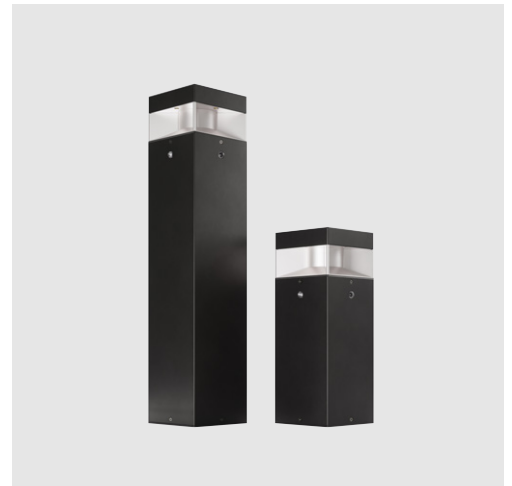
MOUNTING



Surface Mounted



Embedded



Plug-and-Play

Designed for effortless deployment, the solar fixtures operate independently with no external wiring or transformers required. Installation is quick and clean, with no trenching, re-paving, or complex electrical connections, making them ideal for both new and retrofit projects.

LISTING



ELECTRICAL

| | |
|-------------------------|---|
| Power Storage | Panasonic Eneloop battery 6Ah. 3.6Vdc, Lifespan: 8 - 10 years |
| Charging Time | Requires approximately 2-3 hours of direct sunlight for a full charge, or 5-8 hours under overcast weather conditions |
| Solar Deprivation Limit | Fully charged unit can operate for 3-4 consecutive days without sunlight (up to 5 days maximum under extended low-light conditions) |
| Solar Panel | High-efficiency crystalline silicon (1 x 8W), Lifespan: 20 years |
| Drive Current | 125mA constant |

PHOTOMETRIC PERFORMANCE

| | |
|-------------------|----------------------------|
| Lumen Output | 80.5 lm |
| Distribution | Narrow, Wide |
| Color Temperature | 3000K, 4000K, 5700K, Amber |
| Lumen Maintenance | > 60,000 Hours (L70) |

OPERATIONAL

| | |
|-------------------------|--|
| Operating Duration | Minimum 12 hours of illumination per night under normal charging. Excess stored energy is carried over to the following night. |
| Control System | Exteria's Solar Controller System (5V 2A) integrating a photocell on/off switch and motion sensor for automatic operation |
| Photocell Control | Fixture automatically turns ON at 1.5 footcandles and OFF at 3 footcandles |
| Motion Sensor | High-performance infrared (PIR) motion sensor with 16.5 ft radius detection range |
| Motion Sensor Operation | When the fixture is ON, it operates at 33% brightness in standby mode and increases to 100% brightness for 1 minute when motion is detected, then automatically returns to dim mode for energy efficiency. |

PHYSICAL

| | |
|-----------|--|
| Dimension | Ø8" x 38.75" (SP-8), Ø8" x 22.6" (SP-8s) |
| Material | Extruded aluminum |
| Finish | Black, Gray, Platinum Silver |
| Weight | 55.1 lbs (SP-8), 33.1 lbs (SP-8s) |
| Anchorage | Anchor base with stainless steel anti-theft screws |
| Mounting | Embedded, Surface mounted |

ENVIRONMENTAL

| | |
|-----------------------|--------------|
| Operating Temperature | 32°F ~ 104°F |
| Ingress Protection | IP65 |
| Listing | FCC |

WARRANTY

| | |
|----------|-------------------------|
| Warranty | 3-year limited warranty |
|----------|-------------------------|

CATALOG

| | | |
|---------|------|----------|
| PROJECT | TYPE | QUANTITY |
|---------|------|----------|

[PRODUCT CONFIGURATOR](#) ↗

Try our **product configurator** on our website to easily specify your requirements and add items to a fixture list.

| MODEL | CCT | FINISH * | DISTRIBUTION | ANCHORAGE | SENSOR |
|----------------------------|---------------------|-------------------------------|---------------------|-------------------------------|-----------------------|
| SP8 SP-8 | 30K 3000K | BLK Black | NR Narrow | AKE Embedded | 1S 1 Sensor |
| SP8S SP-8s Short | 40K 4000K | GRY Gray | WD Wide | AKS Surface Mounted | 4S 4 Sensor |
| | 57K 5700K | PTS Platinum Silver | | | |
| | AMB Amber | | | | |

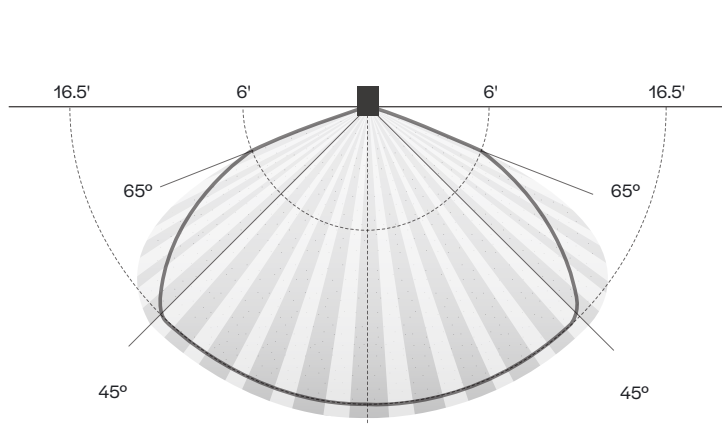
Notes

* Uses high corrosion-resistant materials for the coating and sealant to prevent damage from long-term exposure to saltwater environment.

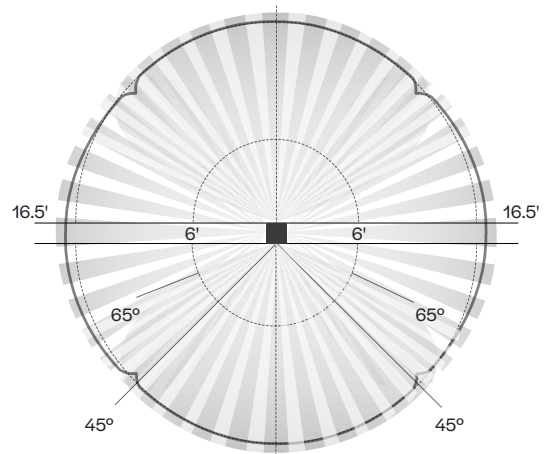
MOTION SENSOR DETECTION

SP-8 Smart Solar Illuminating Bollard incorporates the latest infrared motion sensor. The high performance motion sensor detects abrupt changes in temperature within a 16.5 ft radius. Movement within designated radius is necessary to trigger sensor to turn on.

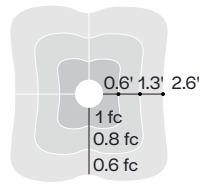
Top View (Single Side, 1S)



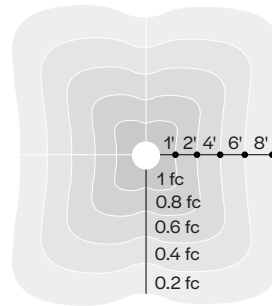
Top View (Four-Sided, 4S)



DISTRIBUTION



Narrow



Wide

DIMENSIONS

