



Description

The SLB10 Solar PathStar is an innovative LED solar bollard designed with enhanced aesthetics and creative functionality. Featuring an IP66-rated enclosure, monocrystalline solar panel, UV-resistant polycarbonate housing, and built-in PIR motion sensor, it combines durability with architectural appeal. Its modern design makes it a popular choice for pathways, gardens, sidewalks, building entrances, and other pedestrian areas.

Key Features

- IP66 and IK07 Rated – Built for durability in harsh outdoor environments.
- Professional Type V Light Distribution – Ensures uniform, wide-area illumination.
- High-Efficiency Monocrystalline Solar Panel – Maximizes solar energy conversion.
- Transparent Polycarbonate Panel Cover – Shields the solar panel from dust, insects, and impact while maintaining efficiency.
- Long-Life LiFePO₄ Battery – Fully charges in 8 hours and powers the light for 2–3 days.

Applications

- Gardens
- Pathways
- Sidewalk
- Building entrance

Electrical Information	
Model No.	SLB10-004
Power Consumption (±20%)	4W
Battery	Ternary lithium battery
Battery Capacity	19.2Wh
Solar Panels	Mono-Crystalline solar panel
Solar Panels Wattage	4.5W
Charging Time	>5 Hr
Operating Time	5 hours of full power operation on a full charge, Intelligent mode: 3 days
Solar Charge Controller	PWM
Control	PIR induction

*The tolerance for power is ±5%.

Optic Information	
LED Type	LED 2835
Luminous Flux (±10%)	680
Efficacy (4000K Ra80)	170
Correlated Color Temperature	4000K (3000K, 5000K optional)
Color Rendering Index	Ra70 (Ra80 optional)
Beam Angle	U02870 (Type V)
UGR level	NA

*The tolerance for luminous flux is ±10%.

Dimensions and Mount	
Product Dimension	0.5m: Φ230×545mm (Φ9.06"×21.45")
	1.0m: Φ230×1045mm (Φ9.06"×41.1")
Luminaire Net Weight (±0.3kg/±0.66Lbs)	0.5m: 3.5 kg (7.71Lbs)
	1.0m: 5.2 kg (11.46Lbs)
Export Carton Size (All-in-one-package)	Full-assemble: 0.5m 565x260x260
	Full-assembled: 1.0m 1065x260x260
Gross Weight (All-in-one-package) (±0.3kg/±0.66Lbs)	Full-assemble: 0.5m 5.6 kg (12.34Lbs)
	Full-assembled: 1.0m 7.4 kg (16.31Lbs)
Export Carton Size (Separated package)	Heading: 260x260x250mm (10.23"×10.23"×9.84")
	Bollard 0.5m: 395x160x165mm (15.55"×6.29"×6.5") Bollard 1.0m: 895x160x165mm (35.23"×6.29"×6.5")
Gross Weight (Separated package) (±0.3kg/±0.66Lb)	Heading: 2.6 kg (5.73Lbs)
	Bollard 0.5m: 2.4 kg (5.29Lbs) Bollard 1.0m: 4.4 kg (9.7Lbs)
Mounting Option	Mounting kit with anchor bolts
Material	Aluminum alloy
	Polycarbonate optical lens
	Ternary lithium battery
	Mono-Crystalline solar panel
Finish	Powder coating
Fixture Color	Black (RAL9017)
EPA	N/A
IK Rating	IK10 (PIR sensor not included)
IP Rating	IP66
Category of Corrosion	C4(ISO 9223:2012)

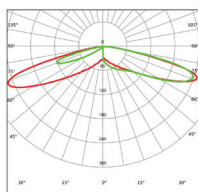
*The tolerance for weight is ±6%.

Lifespan and Warranty		
Operating Temperature	0°C to + 45°C(32°F to 113°F)	
	80,000hrs-L90	
Lifetime of LED @Ta=25 °C	169,000hrs-L80	
	271,000hrs-L70	
Warranty	Battery	3 Years
	Other accessories	5 Years

New Features

* Please consult us for details.

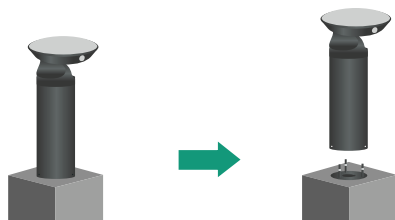
Photometry



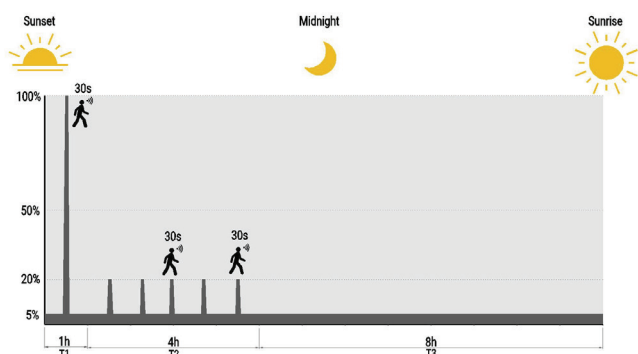
U02870

Mounting Options

Mounting kit with anchor bolts

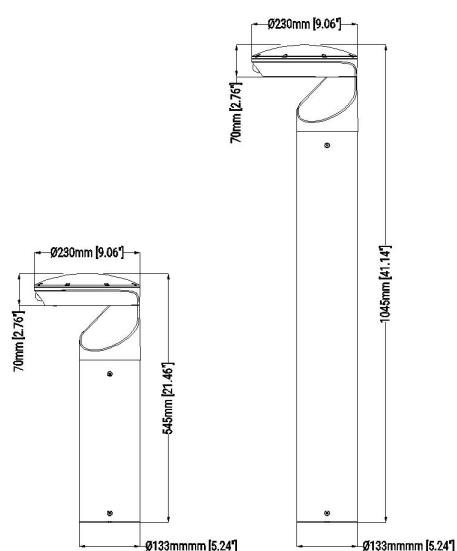


Intelligent Control Mode



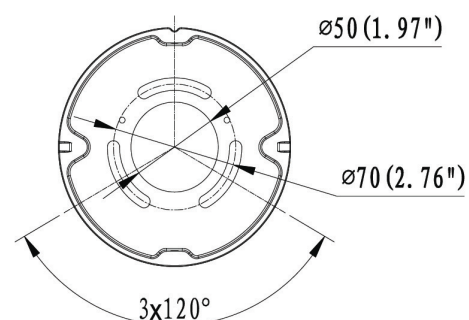
Default Working mode (Intelligent Mode)		Time 1	Time 2	Time 3
	Working hours	1h	4h	8h
	Not detected	5%	5%	5%
	Detected	100%	20%	5%
	Light up for 30 seconds when detected			

Dimensions



Base plate templates

Unit:mm/inch



Accessories



Remote Control
Remote control for solar LED bollard light