

SOLAR BOLLARD - SB40

DESIGNED FOR CANADIAN CLIMATE PHILIPS LUMILEDS

for public parks, walking paths, bicycle paths and remote areas.



The solar bollard “SB40” integrates an impressive **42 watts** solar module, a breakthrough in solar bollard power capacity. This, paired to our intrinsic design, enables the SB40 to easily cope with our northern climatic conditions throughout the year. Ideal for architectural and commercial lighting, our bollards are equipped with the latest Philips LED lighting technology combined to a modern design with high quality construction. No wiring or electrical connection required for installation.

The “SB40” solar bollard operates at night according to the selected operating profile; they can be programmed to operate throughout the night, dimmed when full light intensity is not required and/or turn off completely and reactivate early in the morning before sunrise. **You can choose how it works by selecting the operation profile that best suits your needs.** Your operating profile can be modified as desired with an optional remote control.

Contact us to determine which product suits your needs and specific location or for a customized solution.

FEATURES & BENEFITS

- Solar lighting bollard with **42W** solar modules;
- Fully self-contained bollard: solar modules, controller, battery and lighting system;
- Automatic activation at sunset and/or before sunrise;
- No power cables or wiring needed;
- True 4 days autonomy without sunlight;
- Flexible programming according to your needs;
- 50 000 hours Philips maintenance free LED operation;
- Powder coated aluminium housing, 1/8” thickness;
- Quick connect and access to the battery;
- Quick, easy and safe installation.

APPLICATIONS

- Public parks;
- Walking paths;
- Bicycle paths;
- Boardwalks;
- Bus shelters;
- Remote areas.



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TECHNICAL SPECIFICATIONS	Solar Bollard	
MODELS	SB40	
Solar modules output power (W)	42W integrated	
Battery type / Capacity	Deep Discharge : AGM 20Ah @12Vdc (240Wh)	
Lighting power output (Watt)	2W	3W
Lumens (lm)	230 lumens (@4100K)	310 lumens (@4100K)
Color Temperature (°K)	4100°K Standard (other options available: 590nm, 2700°K, 3000°K)	
CRI (Color Rendering Index)	65	
LED lifespan (Philips Lumileds)	50 000 hours (L70)	
Recommended spacing factor	8 meters (@4100K)	
Battery Overcharge/Discharge protection	YES	
Autonomy (number of days without sunlight)	4 days	
Operating temperature range	-30°C +70°C	
Body material / Coating	Aluminium / Polyester Powder Coating	
Dimensions L x L x H po (mm)	8" x 8" x 42"h (203 x 203 x 1067mm)	
Unit Weight - lb (Kg)	36 lbs (16.37 Kg)	
Warranty	5 years	

Notes : Contact us to determine which product suits your needs and specific location or for customized solutions. The data are based on the worst month of the year according to the *mean daily global insolation* provided by Natural Resources Canada for Montreal with solar module facing south.

ORDERING CODE						
Series	Lighting output power	Operating profile (see document for more info)		Color Temperature (°K)	Light Distribution	Color
SB40	2 = 2W	When choosing 2W (230lm)	When choosing 3W (310lm)	4100 = 4100°K	SYM = Symmetrical	BK = Black
	3 = 3W	A = Dusk 3 hrs, 30%, 1hr morning	F = Dusk 1 hrs, 30%, 1h morning	3000 = 3000°K	ASYM = Asymmetrical	SM = Custom
		B = Dusk 5 hrs, OFF, 2h morning	G = Dusk 4 hrs, OFF, 1h morning			
		C = Dusk to Dawn @ 50%	H = Dusk to Dawn @ 40%			
		D = Dusk 4 hrs, then 30%	J = Dusk 2 hrs, then 30%			
		E = Dusk 7 hrs, then OFF	K = Dusk 5 hrs, then OFF			
		SM1 = Custom	SM2 = Custom			

Example: **SB40-2-B-4100-SYM-BK**

Revision: 2.3



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