

SB40 SOLAR BOLLARD

COMMERCIAL SOLAR LED BOLLARD



PHILIPS
LUMILEDS

The “SB40” solar bollard 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 a chitectural 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.

FEATURES & BENEFITS

- Solar lighting bollard with 42W solar modules;
- Fully self-contained bollard: solar modules, controler, 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

- Outdoor terraces;
- Public parks;
- Cycle paths;
- Camping sites;
- Vacation resorts;
- Hotel entrances;
- Bus shelters;
- Remote areas.



MANUFACTURED BY:

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CERTIFICATIONS



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LIGHTING SPECIFICATIONS		SB40	
Philips Lumileds lumen/Watt	115lm/W		
Luminaire LED Power (Watt)	2 W	3 W	
Lumens (lm)	230 lm	310 lm	
Dimming / Programmable	Yes, see "Operating Profile" document for details.		
Light Distribution Type	Symmetrical or Asymmetrical		
Color temperature (°K)	4000°K, 3000°K		
CRI (Color Rendering Index)	70		
LED Lifespan	> 100 000 hours		
Recommended spacing factor	8 meters		
Operation	Hours of operation can be divided between evening and morning (before sunrise). The light intensity can also be dimmed. Operating profiles can be modified via remote control, sold separately.		
SOLAR SYSTEM SPECIFICATIONS			
Solar Module (Watt)	42W		
Battery Bank Capacity (Ah)	20Ah @12Vdc (240Wh)		
Battery type	Deep Discharge AGM		
Battery Overcharge/Discharge protection	YES		
Autonomy (number of days without sunlight)	4 days, with a fully charged battery		
Operating temperature range	-40°C +70°C		
MECHANICAL SPECIFICATIONS			
Material / Coating	Aluminium / Polyester Powder Coating		
Color	Textured black		
Dimensions L x L x H po (mm)	8" x 8" x 42"h (203 x 203 x 1067 mm)		
Unit Weight - lb (Kg)	36lb (16.4Kg)		
WARRANTY			
Solar System	Solar Module: 25 years Controller: 10 years Batterie: 5 years (prorata)		
LED Lighting	10 years		

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SB40 ORDERING CODE

Serie	LED Power Selection	OPERATING PROFILE SELECTION ACCORDING TO POWER		Color Temperature (°K)	Light Distribution
		if 2w is selected	if 3w is selected		
SB40	2w = 2 Watts				
	3w = 3 Watts	A = Dusk 3 hrs, 30%, 1hr morning	F = Dusk 1 hrs, 30%, 1h morning	4000 = 4 000°K	SYM = Symmetrical
		B = Dusk 5 hrs, OFF, 2h morning	G = Dusk 4 hrs, OFF, 1h morning	3000 = 3 000°K	ASYM = Asymmetrical
		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 = Sur mesure		

Example: SB40-2W-B-4000-SYM (SB40 - _____ - _____ - _____)

ACCESSORIES SOLD SEPERATLY

DESCRIPTION	PART NUMBER	NOTES
REMOTE CONTROL	#RC01	Not required for system installation and operation.



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