LUCE SOLARE

BLS-8A

The **LUCE SOLARE BLS-8A** is a solar street and area lighting solution that integrates the solar panel, battery and LED module into a single product. **BLS-8A** provides energy savings, high luminance and low maintenance.

BLS-8A design and technology eliminates the need for bulky external battery boxes, while maintaining maximum light output by using high efficiency solar cells and LEDs.

The **BLS-8A** incorporates a night sensor that detects ambient light and will automatically turn the **BLS-8A** on and off as per the preset programs.

APPLICATION: The **BLS-8A** is ideal for temporary lighting, pathways, parking areas, public walkways, parks and roads.

IP65 WET RoHS COMPLIANT FC

SPECIFICATIONS

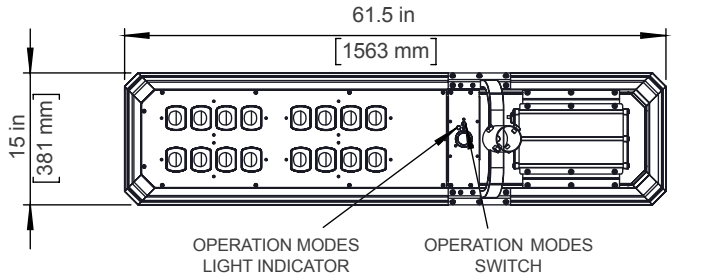
Solar Panel	72W
Battery	Li-ion Battery / 37.5 Ah
Lumen Output	6500 lm @ 5700°K(1)
LED Efficacy	89 lm/W
After Full Charge Operation Time	36 hrs
Indicator For One Night Operation	light indicator will blink 3 times every 15 minutes during the night
Discharge Time	10-12 hrs
Discharge Operating Temperature	-20°C(-4°F) to 60°C(140°F)
Charge Time	9-11 hrs
Charging Operating Temperature	0°C(32°F) to 45°C(113°F)
Min. Solar Direct Normal Irradiance	1 KWH/m²/day
Operation Mode (Green Light)	5 hrs @ (100%) + 7 hrs @ (30%+PIR 100%)
Operation Mode (Orange Light)	5 hrs @ (70%) + 7 hrs @ (30%+PIR 100%)
Operation Mode (Red Light)	12 hrs @ (30% + PIR 100%)
Performance Orientation	South 100%; East 75%; West 70%; North 46%
Mounting Height (2)	6 - 7.6m (19.7 - 25 ft)
Effective Projected Area (EPA)	6.4 ft²
Certifications	IP65 / ROHS / FCC
Weight	42.8 pounds / 19.4 kgs
Warranty	3 years

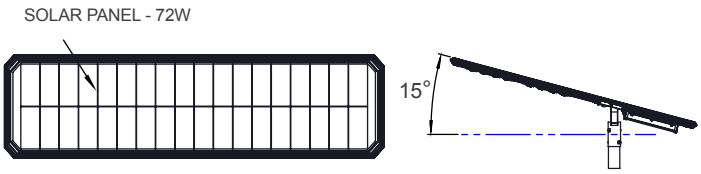
NOTE 1: For other color temperatures (3500K,4000K,5000K,6500K), contact factory.
NOTE 2: The mounting height is an estimate and depends on the application.

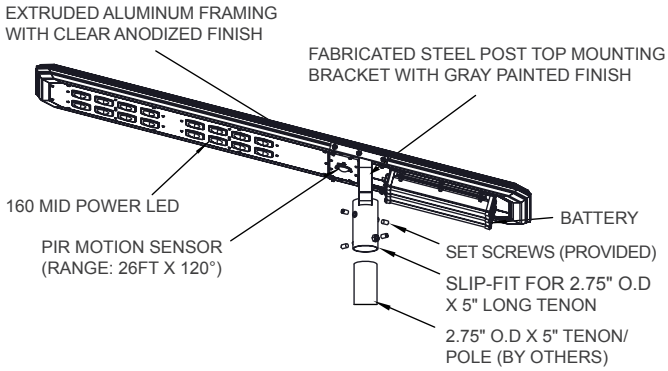
Battery Warranty: **3 years warranty.**

ADVANTAGES

- Integrated Solution
- Environmentally Friendly
- Easy Installation
- $0 energy cost
- IP65
- Type II Distribution







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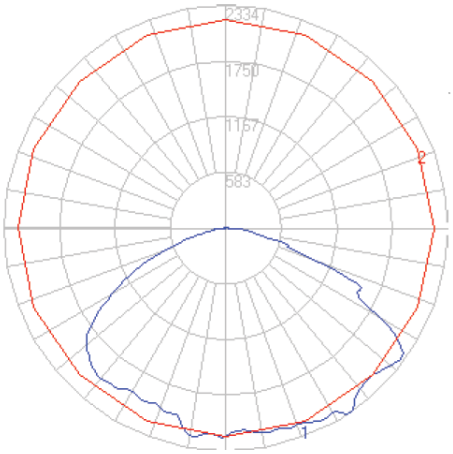
PHOTOMETRICS

POLAR CURVES

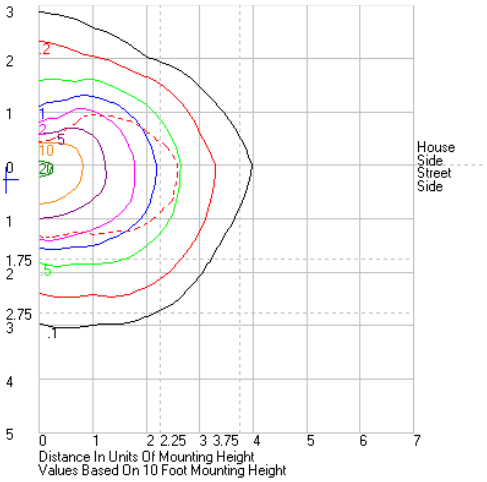


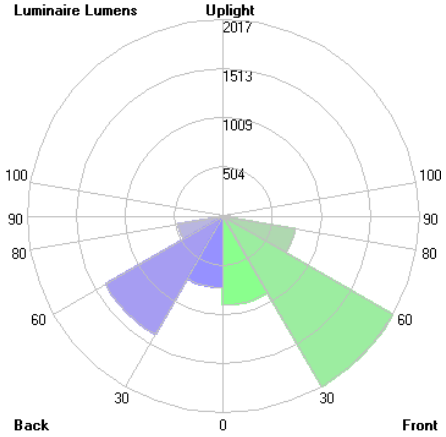
Characteristics

Electronic driver
LED 5700°K

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	6404.3 (1 lamp)
Total Lamp Lumens	6404.3
Luminaire Lumens	6404
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	72
Max. Cd.	2333.532 (292.5H, 34V)
Max. Cd. (<90 Vert.)	2333.532 (292.5H, 34V)
Max. Cd. (At 90 Deg. Vert.)	68.965 (1.1%Lamp)
Max. Cd. (80 to <90 Deg. Vert.)	356.134 (5.6%Lamp)
Cutoff Classification (deprecated)	Cutoff

ISOLINES





SPACING

Metric units	100 % LUMEN OUTPUT				30 % LUMEN OUTPUT			
	MH = 19.7 ft (6m)		MH = 25 ft (7.6m)		MH = 19.7 ft (6m)		MH = 25 ft (7.6m)	
	Spacing to 0.5 fc	Spacing to 1 fc	Spacing to 0.5 fc	Spacing to 1 fc	Spacing to 0.5 fc	Spacing to 1 fc	Spacing to 0.5 fc	Spacing to 1 fc
ft	34.7	27.9	38.4	28.05	21.6	13.1	19.9	5.1
m	10.6	8.5	11.7	8.5	6.6	4.0	6.1	1.6

LUMEN OUTPUT PERCENT

LUMEN OUTPUT (LM)		
100%	70%	30%
6404	4482.8	1921.2

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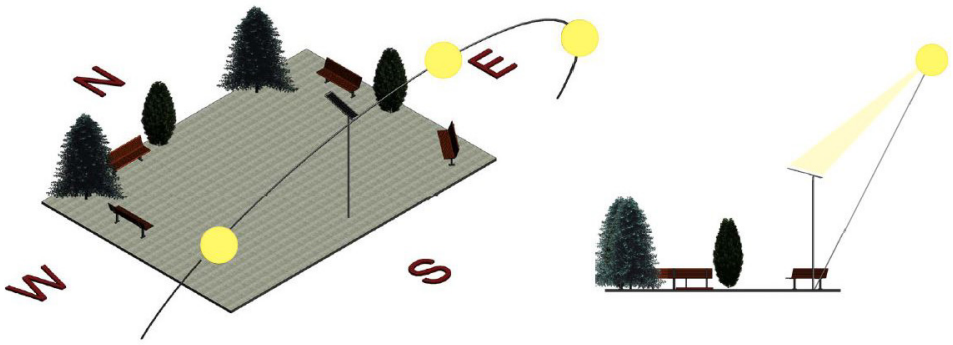
ORIENTATION

NORTHERN HEMISPHERE

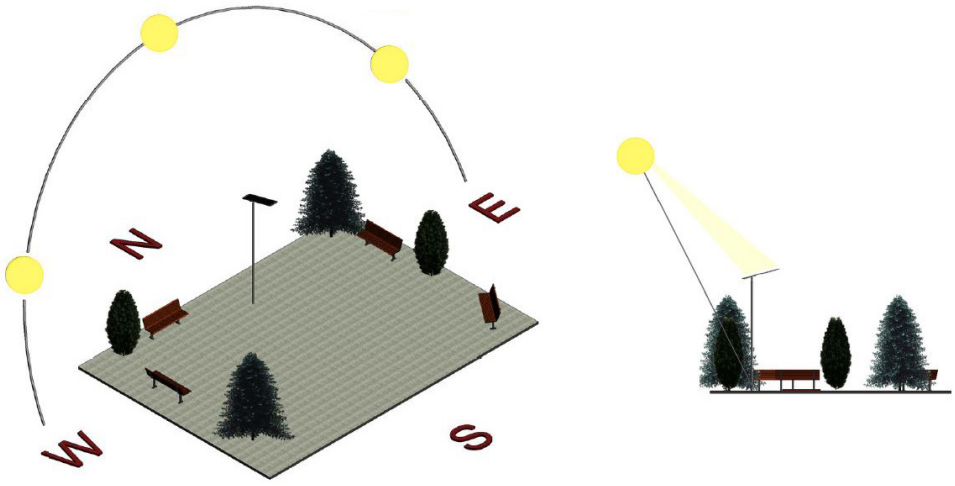
Sun's Path in the sky



These graphics illustrate Luce Solare orientation, in which the fixture can absorb the maximum solar energy from the sun (south 100% - refers to product specs).

SOUTHERN HEMISPHERE

Sun's Path in the sky



These graphics illustrate Luce Solare orientation, in which the fixture can absorb the maximum solar energy from the sun (north 100%).