



APPLICATION: The **BLS-4A** is ideal for temporary lighting, pathways, parking areas, public walkways, parks and roads.



SPECIFICATIONS

Solar Panel	16.2V/37.5W
Battery	Li-ion Battery / 18.2 Ah
Lumen Output	3259 lm @ 5700K ⁽¹⁾
LED Efficacy	144 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 60°C(140°F)
Min. Solar Direct Normal Irradiance	0.2 KWH/m ²
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⁾	3 - 4.6m (9.9 - 15 ft)
Effective Projected Area (EPA)	3.2 ft ²
Certifications	IP65 / ROHS / FCC
Weight	24.55 lbs / 11.14 kg
Warranty	3 years

NOTE 1: For other color temperatures (3500K,4000K,5000K), contact factory.

NOTE 2: The mounting height is an estimate and depends on the application.

Battery Warranty: 3 years warranty.

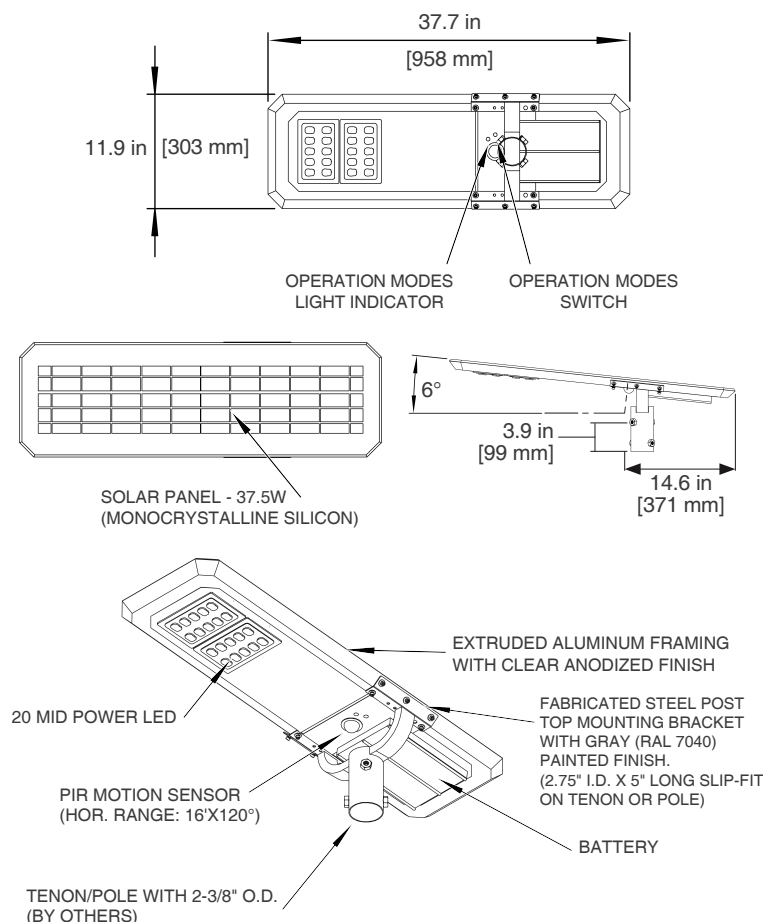
The **LUCE SOLARE BLS-4A** is a solar street and area light solution that integrates the solar panel, battery and LED module into a single product. **BLS-4A** provides energy savings, high luminance and low maintenance.

BLS-4A 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-4A** incorporates a night sensor that detects ambient light and will automatically turn the **BLS-4A** on and off as per the preset programs.

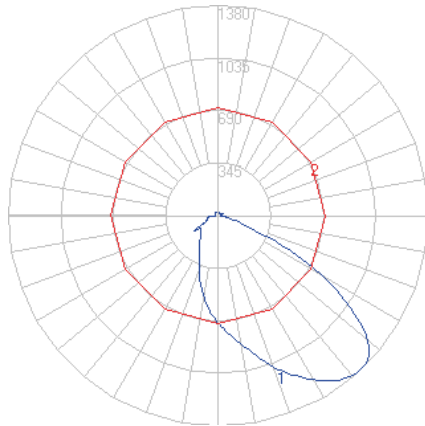
ADVANTAGES

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



PHOTOMETRICS

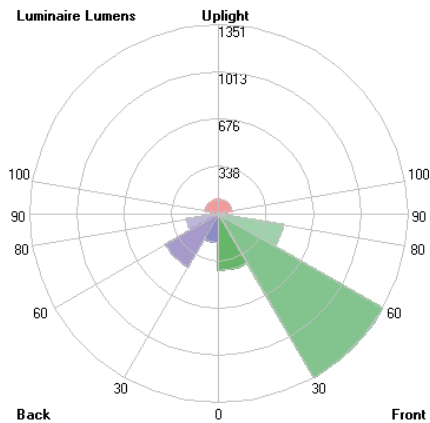
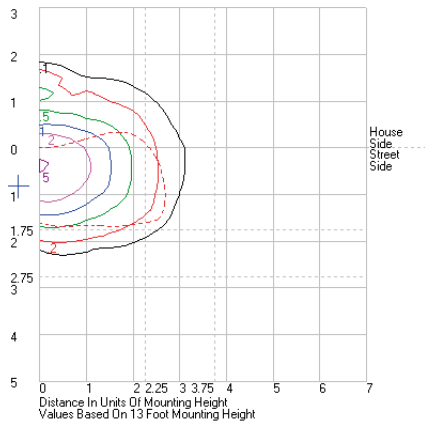
POLAR CURVES



Characteristics

IES Classification	Type II
Longitudinal Classification	Very Short
Luminaire Lumens	3259
Downward Total Efficiency	77%
Total Luminaire Efficiency	80%
Luminaire Efficiency Rating (LER)	144
Total Luminaire Watts	N/A (Power del.: 22.6W)
Solar Panel Watts	37.5
Upward Waste Light Ratio	0.04
Max.Cd.	1379.856 (330H, 43V)
Max. Cd. (<90° Vert.)	1379.856 (330H, 43V)
Max. Cd. (At 90° Vert.)	22.256 (0.5% Lamp)
Max. Cd. (80-90° Vert.)	168.728 (4.1% Lamp)
Cutoff Classification (depreciated)	Cutoff

ISOLINES



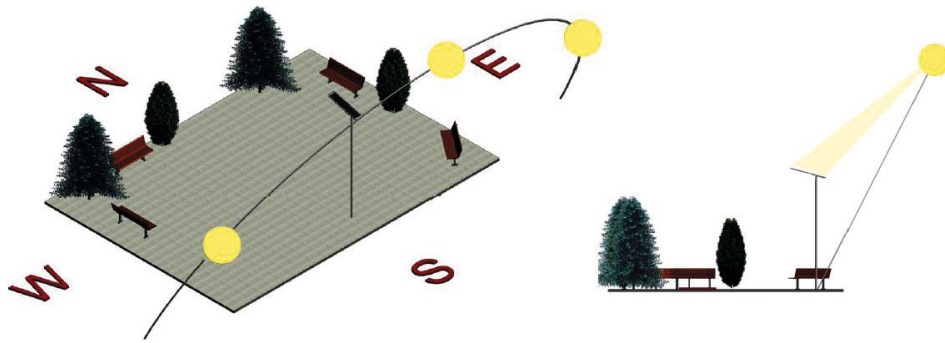
SPACING

Metric Units	Lumen Output = 3259 lm	
	Recommended Mounting Height = 13 ft (4 m)	
	Spacing to reach 0.5 fc	Spacing to reach 1 fc
ft	24.7	19.5
m	0.5	5.9

ORIENTATION

NORTHERN HEMISPHERE

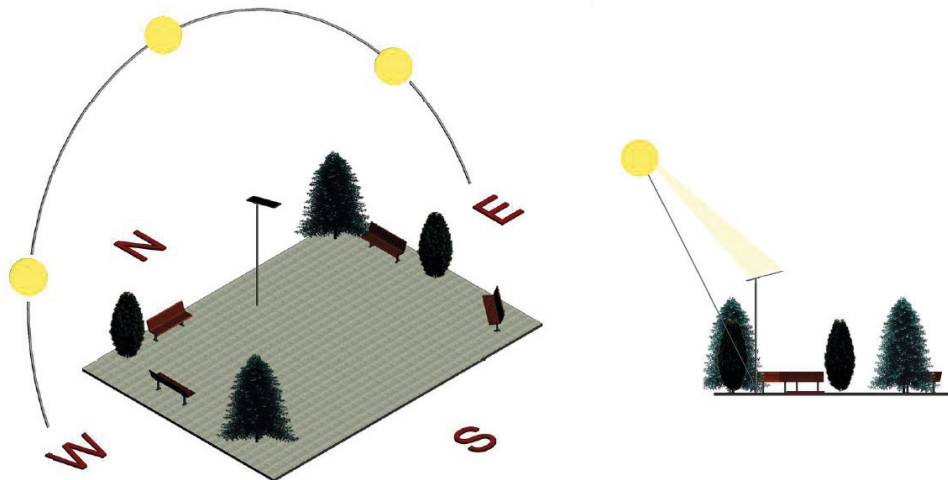
Sun's Path in the sky



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%).