



APPLICATION: The **BLS-6A** is ideal for temporary lighting, pathways, parking areas, public walkways, parks and roads.

The **LUCE SOLARE BLS-6A** is a solar street and area lighting solution that integrates the solar panel, battery and LED module into a single low-profile fixture. **BLS-6A** utilizes battery technology that will not drain below 10% capacity to ensure reliable re-charge for maximum performance.

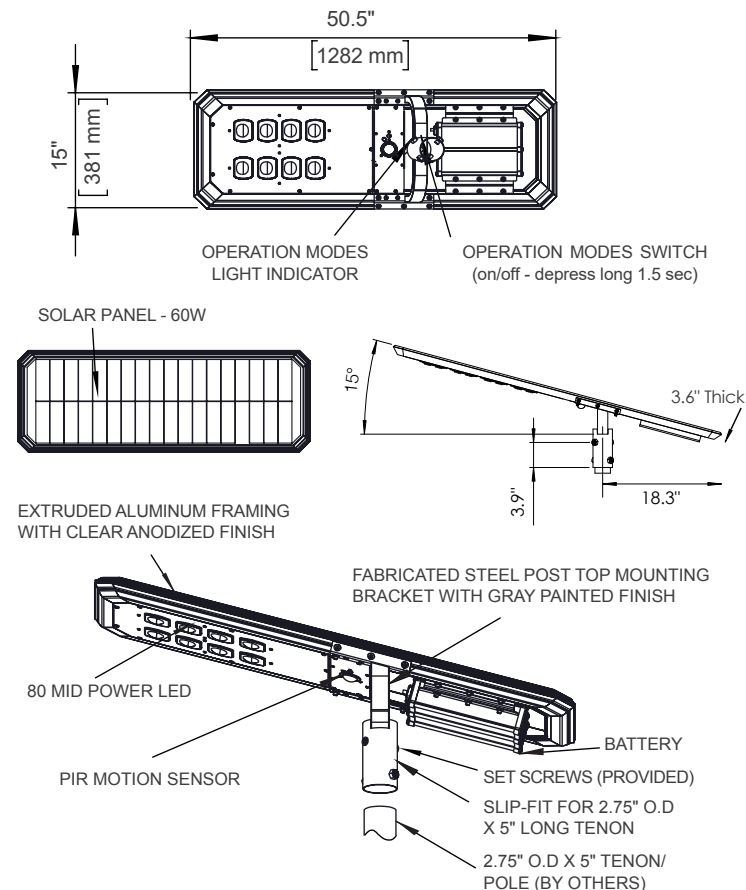
The **BLS-6A** design eliminates bulky external battery boxes, while maximizing light output by using high efficiency mono-crystalline silicon solar cells and LEDs.

The **BLS-6A** incorporates a night sensor that detects ambient light to automatically turn the fixture on/off. An indicator light will blink 3x every 15 minutes during operation.

SPECIFICATIONS	ADVANTAGES
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System Power Delivery	33.9W
Solar Panel	60W, 16.2V
LI-ION Battery	423.3 Wh / 28.6 Ah / 14.8V
Lumen Output	4888 lm @5700°K ¹ (5 SCDM)
3030 LEDs	180-190lpw@150mA, 5-8.6.0V
Operation Time	36 hrs (after full charge)
Discharge Time	10-12 hrs (@ 100%)
Discharge Operating Temperature	-20°C to 60°C (-4° to 140°F)
Charge Time	10-12hrs minimum
Charge Operating Temperature	0°C to 60°C (32°F to 140°F)
Min. Solar Direct Normal Irradiance	0.2 KWH/m ² /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%)
Mounting Height⁽²⁾	15-20 ft
Effective Projected Area (EPA)	4.5 ft ²
Distribution / BUG Rating	Type II / B2-U1-G1
Certifications	IP65 / ROHS / FCC
Weight	27.0 lb / 12.3 kg
Warranty	3 years

- Integrated Solution
- Environmentally Friendly
- Easy Installation
- \$0 Energy Costs
- PIR Motion Sensor
- 3 Lighting Modes



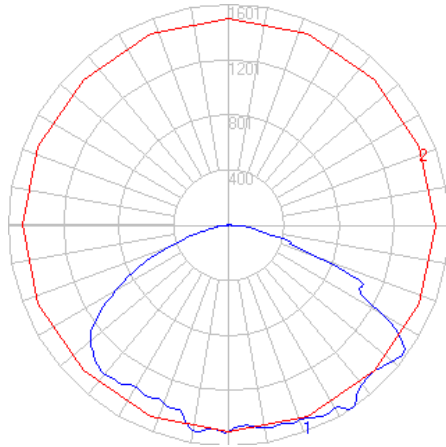
ORDERING INFORMATION

BLS-6A-5700K¹ Solar area/ street light, 33.9W, 5700K, 4888lm, aluminum finish

NOTE 1: 4000K also available, consult factory for other color temperatures
 NOTE 2: The mounting height is an estimate and depends on the application

PHOTOMETRICS

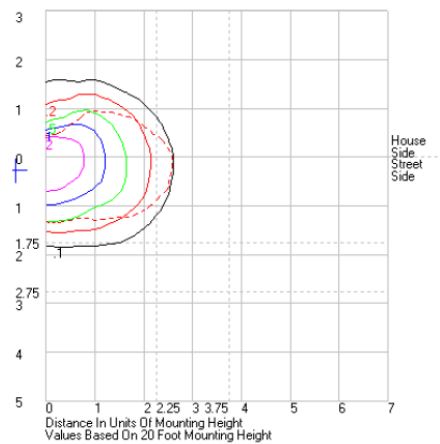
POLAR CURVES



Characteristics

IES Classification	Type II
Longitudinal Classification	Very Short
Luminaire Lumens	4888
Downward Total Efficiency	80 %
Total Luminaire Efficiency	80 %
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	N/A (Power delivery: 33.9W)
Solar Panel Watts	60W
Upward Waste Light Ratio	0.00
Max. Cd.	1781.152 (292.5H, 34V)
Max. Cd. (<90 Vert.)	1781.152 (292.5H, 34V)
Max. Cd. (At 90 Deg. Vert.)	52.64 (0.9%Lamp)
Max. Cd. (80 to <90 Deg. Vert.)	271.832 (4.4%Lamp)
Cutoff Classification (deprecated)	Cutoff

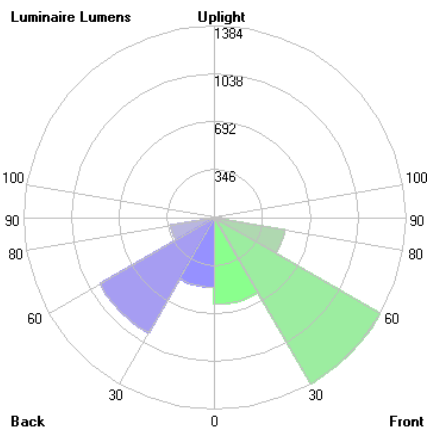
ISOLINES



Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	696.5	11.4	14.2
FM (30-60)	1539.9	25.2	31.5
FH (60-80)	569.9	9.3	11.7
FVH (80-90)	53.8	0.9	1.1
BL (0-30)	564.2	9.2	11.5
BM (30-60)	1070.0	17.5	21.9
BH (60-80)	362.4	5.9	7.4
BVH (80-90)	27.4	0.4	0.6
UL (90-100)	2.7	0.0	0.1
UH (100-180)	1.2	0.0	0.0
Total		4888.0	79.8 100.0

BUG Rating B2-U1-G1



SPACING

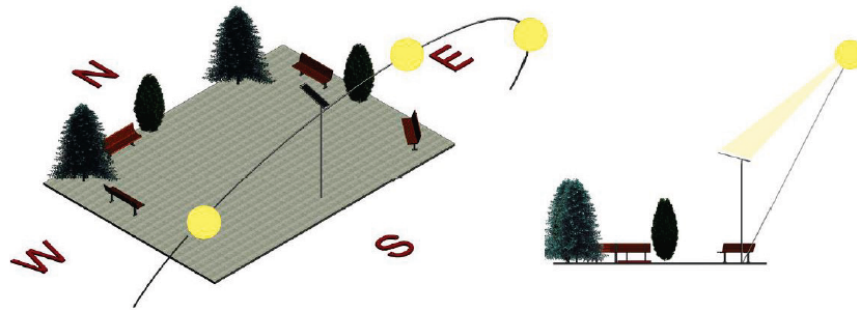
B L S G A	Metric units	Lumen Output = 4888lm	
		Recommended Mounting Height = 20 ft (6m)	
		Spacing to reach 0.5 fc	Spacing to reach 1 fc
	ft	28	24
	m	8.5	7.3

Note: 5700K CCT lumen output

ORIENTATION

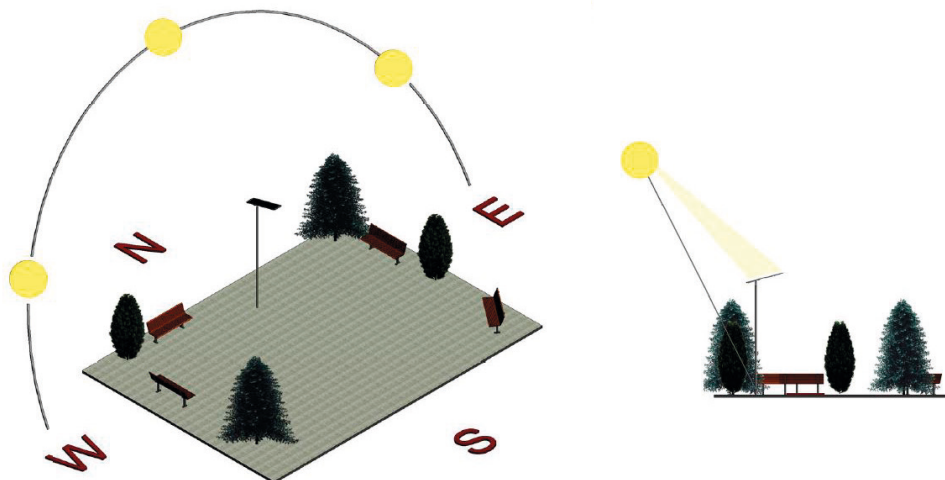
CHARGING PERFORMANCE ORIENTATION FOR NORTHERN HEMISPHERE
South 100%, East 75%, West 70%, North 46%

NORTHERN HEMISPHERE Sun's Path in the Sky



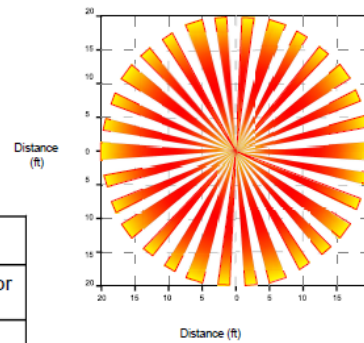
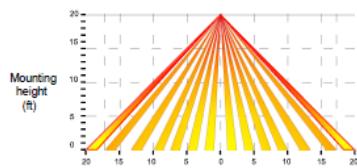
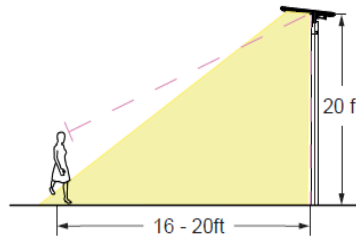
These graphics illustrate Luce Solare orientation, in which the fixture can absorb the maximum solar energy from the sun (south 100%).

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%).

PIR SENSOR COVERAGE



COVERAGE PATTERN		
Product	Recommended installation height	PIR sensor coverage
BLS-6A	20ft	20ft max

LUCE SOLARE TURN ON/OFF LIGHT LEVELS

Light Level in lux (fc)	Mode
10 - 30 (0.93 - 2.78)	Turn on
50 - 100 (4.6 - 9.3)	Turn off