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 39567.

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CITY ELECTRIC SUPPLY

CITY OF PASCAGOULA
 PO DRAWER 908
 PASCAGOULA, MS
 39568
 Phone: 228-938-6722

QUOTATION

PAS/032708

Valid From: 29 Jun 2023
 Valid Until: 04 Jul 2023

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Entered by: Brian Bartmess
 Sales Rep: Phillip Reid

Account No.: 01990047001
 Order Number: SCRANTON PIER
 LIGHTS

Qty	Item	Description	\$ Price Per	\$ Goods
10	BLS-2A-5700K	LUCE SOLARE STREET LIGHT	465.00 1	4650.00
		3-4 WEEK LEAD TIME		
150	PIPE ALU200	2" ALUMINUM CONDUIT	590.00 C	885.00

Please do not hesitate to contact us if we can be of any further assistance.

Sincerely Yours,

Brian Bartmess

Prices may be subject to change from manufacturer at the time of dispatch. When ordering please use above quotation number.
 Seller assumes no responsibility for quoted materials meeting job specifications unless specifically stated in writing.
 Substitution of similar quality material is permitted. All special order material is non-returnable or subject to the manufacturer's return goods policy.



LUCE SOLARE

BLS-2A

The LUCE SOLARE BLS-2A is a solar street and area lighting solution that integrates the solar panel, battery and LED module into a single low-profile fixture. BLS-2A utilizes battery technology that will not drain below 10% capacity to ensure reliable re-charge for maximum performance. The BLS-2A design eliminates bulky external battery boxes, while maximizing light output by using high efficiency mono-crystalline silicon solar cells and LEDs. The BLS-2A 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.



APPLICATION: The BLS-2A is ideal for temporary lighting, pathways, parking areas, public walkways, parks and roads.

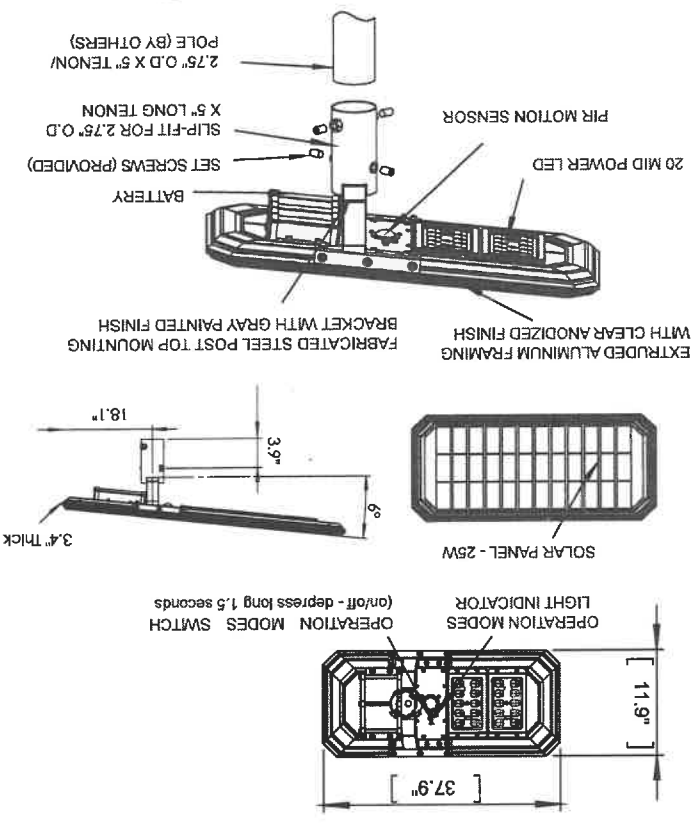
SPECIFICATIONS

System Power Delivery	11.3W
Solar Panel	25W, 16.2V
Li-ION Battery	153.9 Wh / 10 Ah / 14.8V
Lumen Output	1630 lm @ 5700°K (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 Temp.	-20° to 60° C (-4° to 140° F)
Charge Time	6 hrs minimum
Charge Operating Temperature	0° to 60° C (32° to 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%)
Mounting Height	7-10 ft
Effective Projected Area (EPA)	2.3 ft ²
Distribution / BUG Rating	Type II / B1-U2-G1
Certifications	IP65 / ROHS / FCC
Weight	19.8 lbs (9.0 kgs)
Warranty	3 years

ORDERING INFORMATION

BLS-2A-5700K¹ Solar area/ street light, 11.3W, 5700K, 1630lm, aluminum finish

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



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

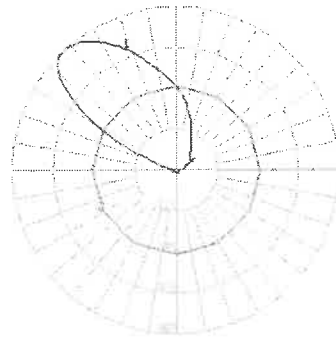
ADVANTAGES

Upon proper installation and start-up, Beghell does not guarantee product performance meets specified performance levels. Unexpected unknown environmental conditions (i.e., temperature, amount and direction of sunlight) affect performance, therefore solar is not recommended as a primary light source. In no event shall Beghell be liable for special, incidental or consequential damages related directly or indirectly to the lack of product functionality and / or performance.

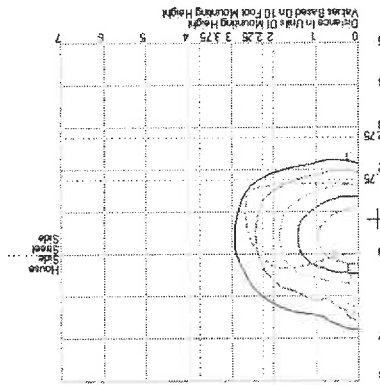


PHOTOMETRICS

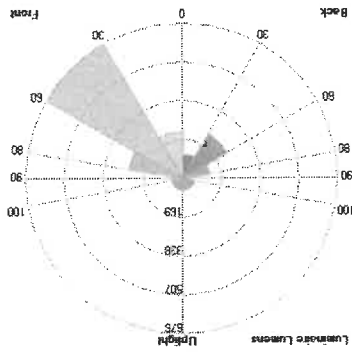
IES Classification Very Short
 Longitudinal Classification 1630
 Luminaire Lumen 1630
 Downward Total Efficiency 77%
 Luminaire Efficiency (LER) 80%
 Total Luminaire Efficiency 144
 N/A (Power delivery: 11.3W)
 25W
 Solar Panel Watts
 Upward Waste Light Ratio 0.04
 Max. Cd. (<90 Vert.) 690.048 (330H, 43V)
 Max. Cd. (<90 Deg. Vert.) 690.048 (330H, 43V)
 Max. Cd. (<90 Deg. Vert.) 11.128 (0.5% Lamp)
 Max. Cd. (<90 Deg. Vert.) 84.376 (4.1% Lamp)
 Cutoff Classification (depreciated) Cutoff



POLAR CURVES



ISOLINES



LUM CLASSIFICATION SYSTEM (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	202.2	9.9	12.4
FM (30-60)	675.6	33.2	41.5
FH (60-80)	232.9	11.4	14.3
FVH (80-90)	11.4	0.6	0.7
BL (0-30)	104.3	5.1	6.4
BM (30-60)	219.5	10.8	13.5
BH (60-80)	115.5	5.7	7.1
BVH (80-90)	10.3	0.5	0.6
UL (90-100)	9.5	0.5	0.6
UH (100-180)	48.6	2.4	3.0
Total	1629.8	80.1	100.0

BUG RATING B1-U2-G1

SPACING

Lumen	Output	1630
Mounting Height = 10 ft (3 m)	Spacing to reach 0.5 fc	18 ft / 5.4 m
	Spacing to reach 1 fc	15 ft / 4.5 m

Note: 5700K CCT lumen output

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LUCE SOLARE



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%).

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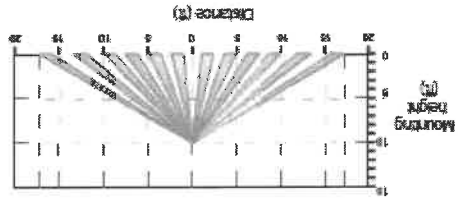
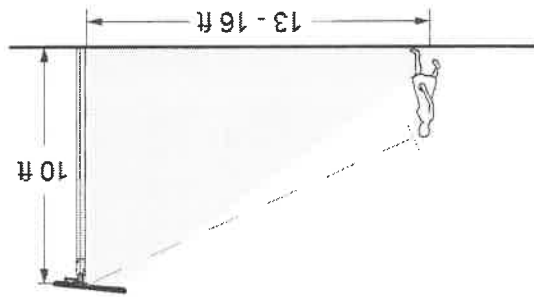
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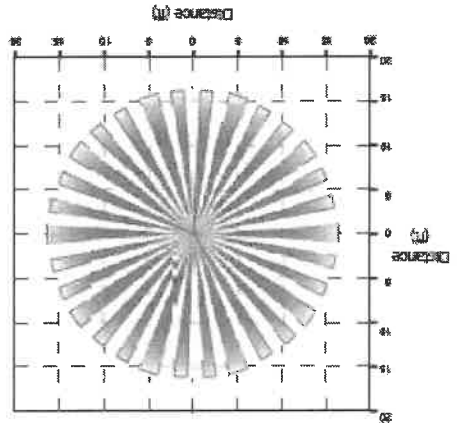
LUCE SOLARE



PIR SENSOR COVERAGE



COVERAGE PATTERN		
Product	Recommended	10 ft
PIR Sensor	Installation Height	16 ft 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

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