FIRSTLIGHT
TECHNOLOGIES

Solar Bollards
big solutions small footprints

Project: _____

Type: _____   Quantity: _____

Visit us at www.solarbollards.com!!!
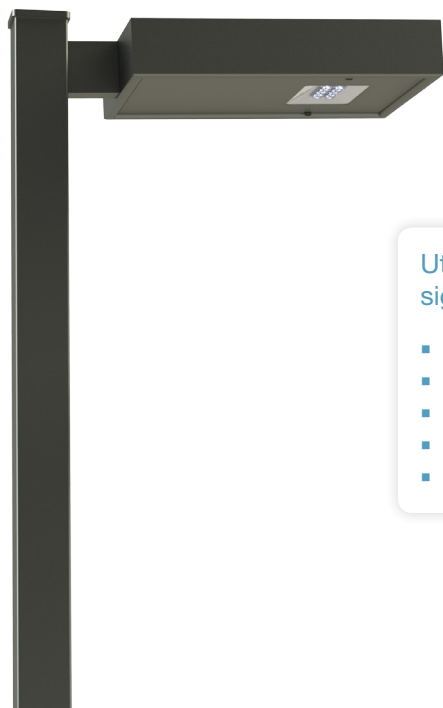
The SCL2 solar LED luminaire is a great fit for commercial, parking lot, recreational bikeway/pathway and public space lighting applications. The self-contained, unobtrusive design integrates its solar power, adaptive control and LED technologies into a compact and efficient form. With robust construction, and unequalled performance the SCL2 series is an excellent fit wherever cost effective, full cutoff lighting is required.

Utilizing solar power and LEDs, the SCL2 series is completely self-contained and offers significant benefits:

- Cost effective design ships fully assembled and installs in minutes
- Low installation cost and minimal site impact with no trenching, cabling or wiring
- Minimal ongoing costs with no electrical bills or bulbs to change
- Operates entirely independent from the grid and is immune to power outages
- A sustainable choice without recurring carbon emissions

All of our solar powered lights are enabled by our innovative Solar Lighting Controller (SLC). The SLC in each light is "self-learning" and allows the lights to predictively adapt to their surroundings, providing a level of lighting performance and reliability unavailable in other solar lighting products.

TECHNICAL SPECIFICATIONS

Solar Module:
- High-efficiency mono-crystalline cells
- Inconspicuously integrated into the top of luminaire
- Used for day/night detection (no photocell required)

Solar Lighting Controller (SLC):
- High-efficiency, temperature compensated Maximum Power Point Tracking (MPPT)
- Micro-controller based technology
- Includes high-efficiency LED driver
- Multiyear data logging
- Integrated into luminaire housing
- Designed to automatically and adaptively manage lighting performance based on environmental conditions and lighting requirements
- Patent Pending

Battery:
- High performance Lithium (LiFePO$_4$)
- Exceptional 8 – 10 year life cycle
- High temperature tolerance
- Contained within luminaire housing
- Designed for easy battery changes when required

LEDs and Optics:
- 100,000 hour L70 lifetime
- Warm (3000K) and neutral (4500K) white color temperatures available
- High efficiency Type 2, 3, 4 and 5, full cut-off optics
- Typical lumen output from 1800 to 2200 lumens
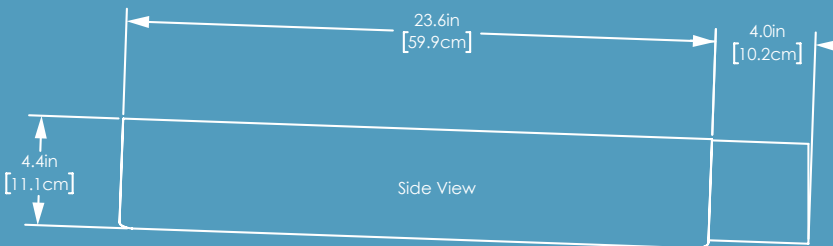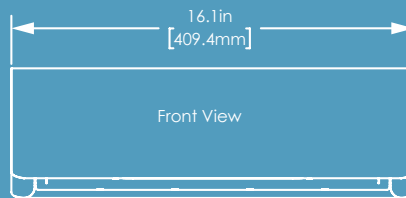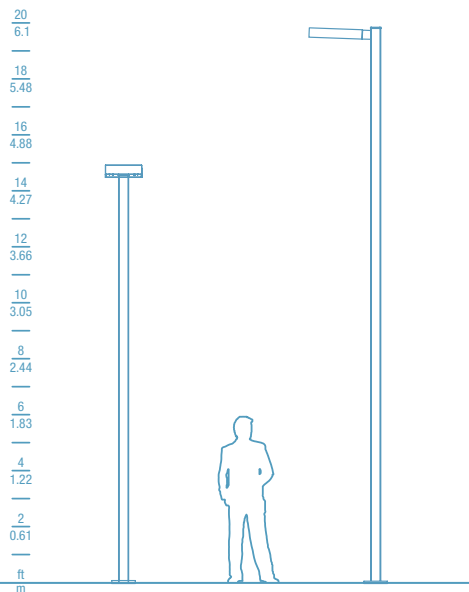
Mechanical Construction:
- Extruded and formed, low copper aluminum enclosure, and mounting arm
- Stainless fasteners with security fastener option
- Architectural grade, super durable, TGIC powder coat
- Four standard colors with custom colors available
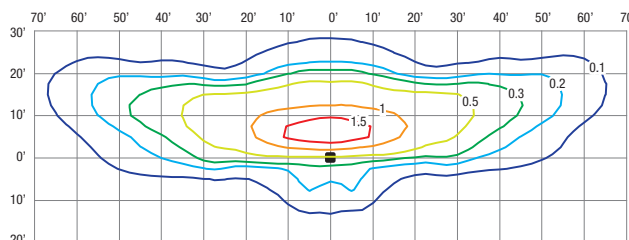
Factory Set Lighting Profiles:
- On at dusk, off at dawn
- On at dusk, off after 6 hours
- On at dusk, dim to 30% after 6 hours till dawn
- On at dusk, off after 5 hours, on 1 hour before dawn
- On at dusk, dim to dim to 30% after 5 hours, on 1 hour before dawn

FIRSTLIGHT
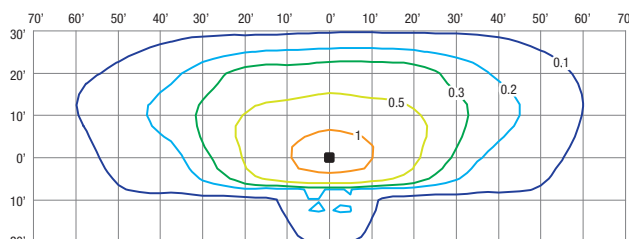### TECHNOLOGIES

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SCL2 Series
Solar LED Integrated Commercial Area Light
Visit us at www.solarbollards.com!!!

EPA: 0.99ft² (0.09m²) | **Weight: 34 lbs (15.4kg) including battery**

16.1in [409.4mm]

Front View

23.6in [59.9cm]

4.0in [10.2cm]

4.4in [11.1cm]

Side View

20 / 6.1
18 / 5.48
16 / 4.88
14 / 4.27
12 / 3.66
10 / 3.05
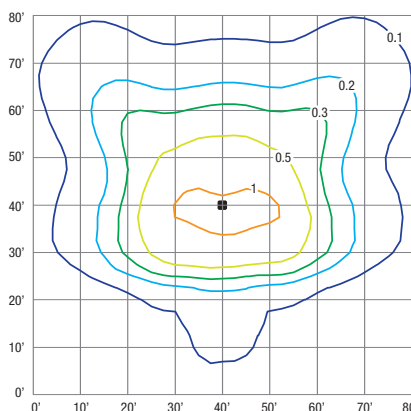8 / 2.44
6 / 1.83
4 / 1.22
2 / 0.61
ft / m

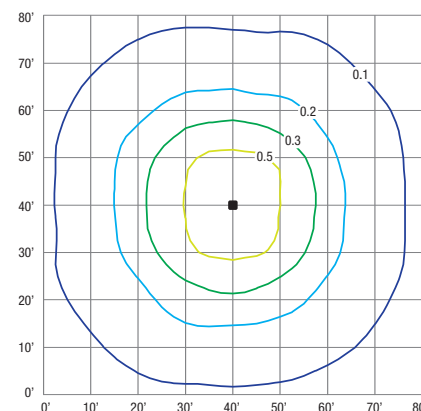## PHOTOMETRICS (IES files available on request)

SCL2 - Type 2

SCL2 - Type 3

SCL2 - Type 4

SCL2 - Type 5

If you have any questions, please don't hesitate to call us at 808.833.6020 or 855.533.3968.

ORDER MATRIX

Series	Mounting	Finish	Distribution	LED Color	Lighting Profile	Options
SCL2	SPMS - Side Pole Mount Square	BK - Black	T2 - Type 2	WW - 3000K	00 - Dusk till dawn	SEC - Security Fasteners
		BZ - Bronze	T3 - Type 3	NW - 4500K	01 - Dark +6 hours then off	
		SV - Silver	T4 - Type 4		02 - Dark +6 hours then 30%	
		WH - White	T5 - Type 5		03 - Dark +5 hours, off, Dawn -1 hour	
		CC - Custom			04 - Dark +5 hours, 30%, Dawn -1 hour (DEFAULT)	

Notes:
- Photometrics based on 20 ft mounting height
- Specifications subject to change without notice
- All light levels in foot candles (fc) with 4500K color temperature and 2000 lumen output
- To convert to lux multiply light level by 10.7

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IES

Illuminating ENGINEERING SOCIETY

RoHS COMPLIANT

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