SCL Series

SOLAR LED INTEGRATED COMMERCIAL AREA LIGHT

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Project:

Type: Quantity:

The SCL series solar LED luminaire is a great fit for commercial, 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 SCL series is an excellent fit wherever cost effective, full cutoff lighting is required.

Utilizing solar power and LEDs, the SCL 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

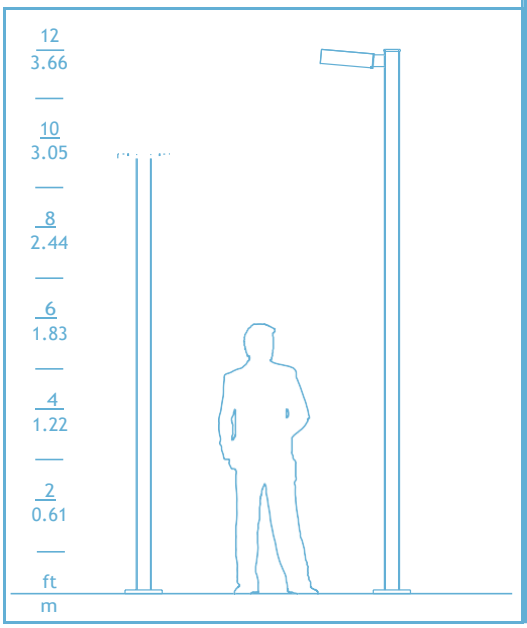
LEDs and Optics:
- 100,000 hour L70 lifetime
- Warm (3000K) and neutral (4500K) white color temperatures available
- High efficiency Type 2, 3, 4 and 5, full cut-off optics
- Typical lumen output from 850 to 1200 lumens

Mechanical Construction:
- Formed, low copper aluminum enclosure, and mounting arm
- Stainless fasteners with security fastener option
- Architectural grade, super durable, TGIC powder coat with Alodine undercoat
- Four standard colors with custom colors available

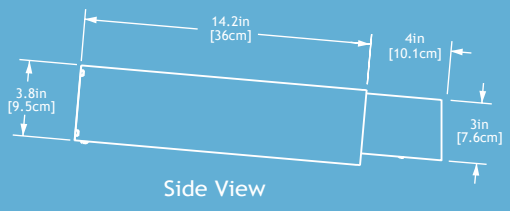
Factory Set Lighting Profiles:
- On at dusk, off at dawn
- On at dusk, off after 6 hours
- On at dusk, dim to 30% after 6 hours till dawn
- On at dusk, off after 5 hours, on 1 hour before dawn
- On at dusk, dim to 30% after 5 hours, on 1 hour before dawn

SOLARIGHT
WIRELESS LIGHTING

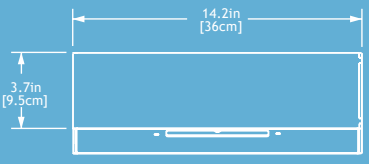
SCL Series



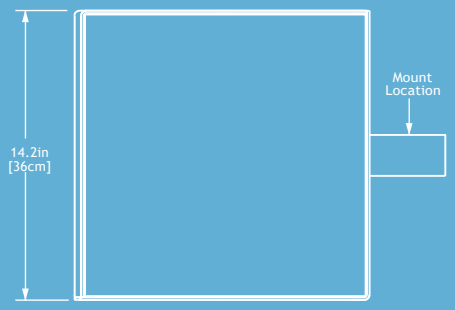
EPA: 0.52ft² (0.05m²) | Weight: 25 lbs (11.4kg) including battery



Side View

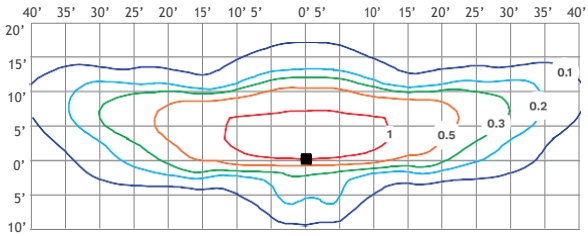


Front View

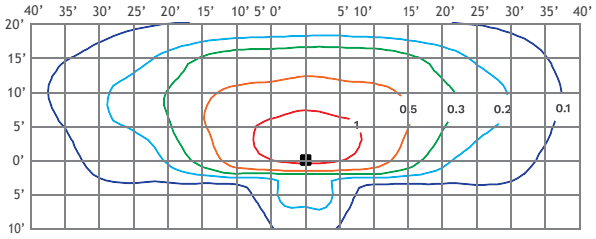


Top View

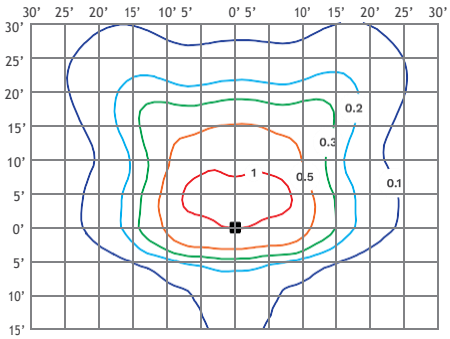
PHOTOMETRICS (IES files available on request)



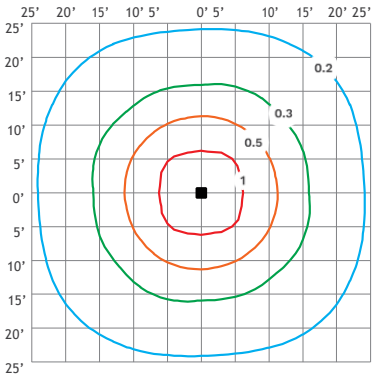
SCL - Type 2



SCL - Type 3



SCL - Type 4



SCL - Type 5

If you have any questions, please don't hesitate to call us at 1-405-673-8684.

ORDER MATRIX

Series	Mounting	Finish	Distribution	LED Color	Lighting Profile	Options
SCL	**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 12 ft mounting height
- Specifications subject to change without notice
- All light levels in foot candles (fc) with 4500K color temperature and 850 lumen output
- To convert to lux multiply light level by 10.7

Illuminating Engineering Society | RoHS Compliant | lighting facts