FIRSTLIGHT TECHNOLOGIES

SCL Series

SOLAR LED INTEGRATED COMMERCIAL AREA LIGHT

Project:

Type: Quantity:

WIRELESS CONTROL APP

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.

Using 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
- Wireless control & communication with your light
- 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 monocrystalline cells
- Inconspicuously integrated into the top of luminaire
- Used for day/night detection (no photocell required)

Solar Lighting Controller (SLC):
- High-efficiency Maximum Power Point Tracking (MPPT)
- Microcontroller based technology
- Includes high-efficiency LED driver
- Multiyear data logging
- Integrated into luminaire housing
- Designed to automatically manage lighting performance based on environmental conditions and lighting requirements
- Potted weatherproof construction

Battery:
- High-performance lithium ($LiFePO_4$)
- Exceptional 10+ year lifecycle
- High-temperature tolerance
- Contained within luminaire housing
- Designed for easy battery changes when required

LEDs and Optics:
- 100,000 hour L70 lifetime
- Extra Warm White (2700K), Warm White (3000K), Neutral White (4000K), and Amber (595nm) LEDs available
- High-efficiency type 2, 3, 4, 4F, and 5, full cut-off optics
- Typical lumen output of 1250 lumens
- Optional backlight shield
- Wildlife-friendly amber option available

Mechanical Construction:
- Cast, low copper aluminum design
- Stainless fasteners with security fastener option
- Architectural grade, super durable, TGIC powder coat
- Mounts to 3 inch or greater round and square poles

Lighting Profiles:
- 11 standard profiles options
- Real-time based lighting profiles available
- See lighting profile sheet for all options
- Motion sensing capabilities optimize performance based usage
- Lighting profiles and motion sensing options are field configurable with app

Wireless Controls:
- Bluetooth low energy interface with iOS app
- Provide configuration and control of lighting profiles
- Adjust dusk and dawn thresholds
- Motion sensing capabilities optimize performance based on usage

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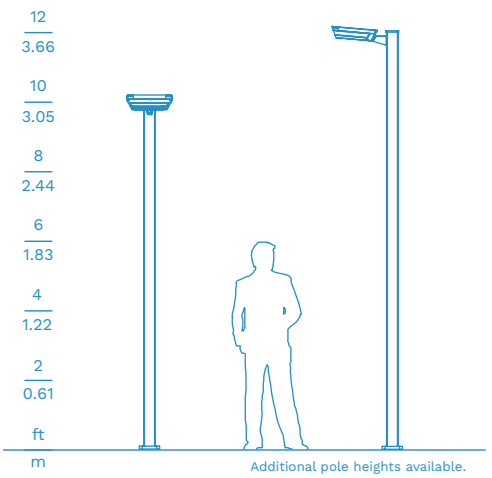
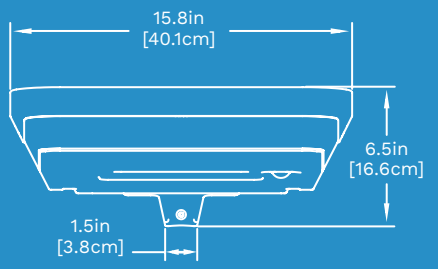
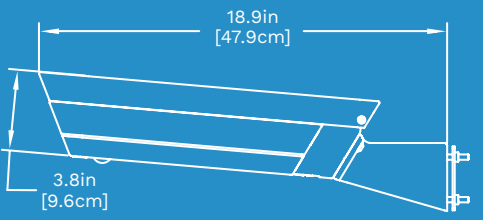


EPA: 0.54ft² (0.05m²) | Weight: 22.2 lbs (10.1 kg) including battery

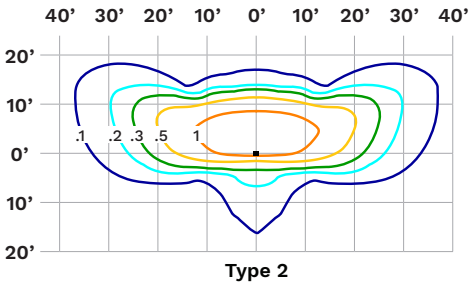


Front View

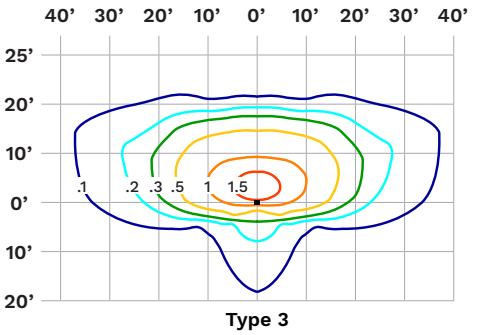


Side View

PHOTOMETRICS (IES files available on website)



Type 2



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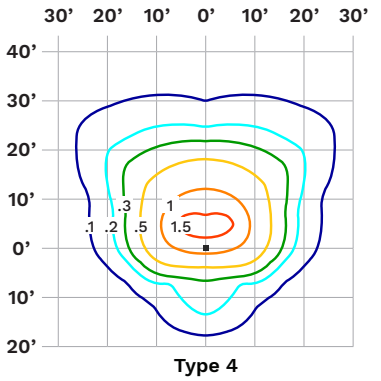

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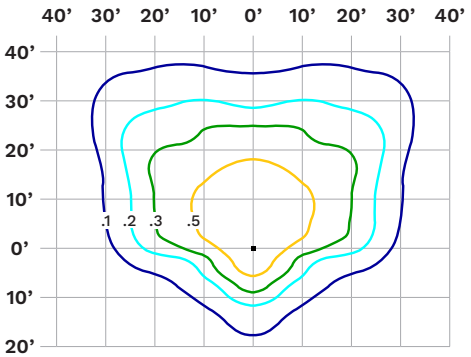
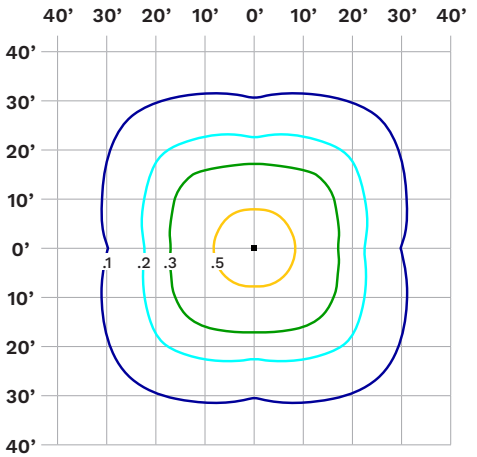


Type 4F



Type 5

Notes:

- Photometrics based on 12 ft mounting height
- Light levels in foot candles are calculated using 1250 lumens at 4000K color temperature
- To convert to lux multiply light levels by 10.7
- Typical lumen levels based off of Type 5 optic with the default profile using neutral white LEDs
- Contact us for help in choosing the right lighting profile and distribution
- Motion sensing is ON by default
- Specifications subject to change without notice

ORDER MATRIX

Series	Mounting	Finish	Distribution	LED	Lighting Profile (Full list on website)	Options
SCL	**SPMU** - Side Pole Mount Universial	**BK** - Black	**T2** - Type 2	**XW** - 2700K	**00** - Dusk till dawn	**SEC** - Security Fasteners
		BZ - Bronze	**T3** - Type 3	**WW** - 3000K	**09** - On at dusk, 100% for 3 hours, dim to 30%, brighten to 100% one hour before dawn, off at dawn (DEFAULT)	**MSO** - Motion Sensor Off
		SV - Silver	**T4** - Type 4	**NW** - 4000K		**BLS** - Backlight Shield
		WH - White	**T4F** - Type 4F	**AMB** - Amber	**TX0000** - On at dusk until time between 1800 & 0600. X = O (Off) or D (Dim). 0000 = time to dim or turn off.	
		CC - Custom	**T5** - Type 5			

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