

## SOLAR LED INTEGRATED COMMERCIAL AREA LIGHT

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.

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.



WIRELESS  
CONTROL APP

## 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<sub>4</sub>)
  - 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

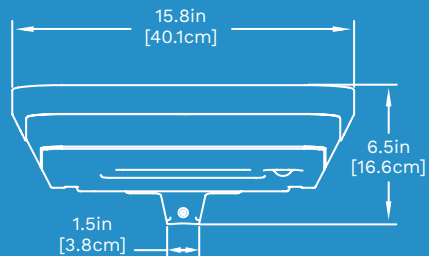
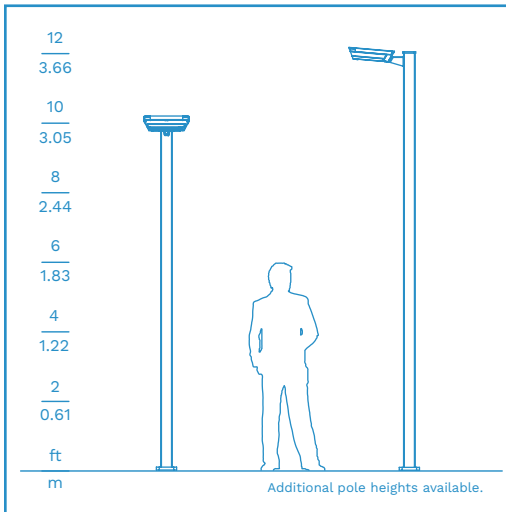
- Mechanical Construction:**
- Cast, low copper aluminum design
  - Stainless fasteners with security fastener option
  - Architectural grade, super durable, TGIC powder coat
  - Mounts to 3 inch or greater round and square poles

- 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

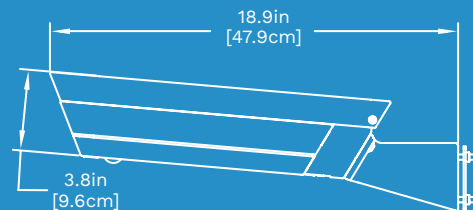
- Wireless Controls:**
- Bluetooth low energy interface with iOS app
  - Provide configuration and control of lighting profiles
  - Adjust dusk and dawn thresholds
  - Motion sensing capabilities optimize performance based on usage

## SOLAR LED INTEGRATED COMMERCIAL AREA LIGHT

EPA: 0.54ft<sup>2</sup> (0.05m<sup>2</sup>) | Weight: 22.2 lbs (10.1 kg) including battery

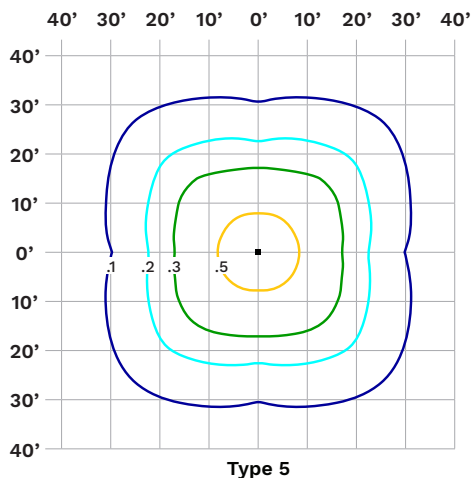
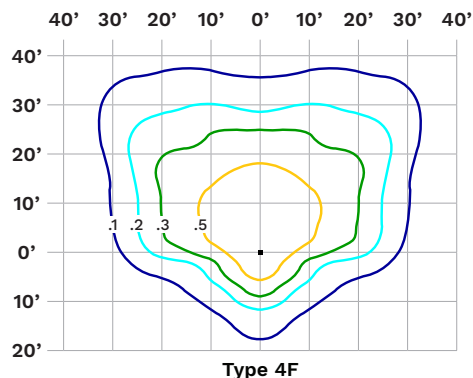
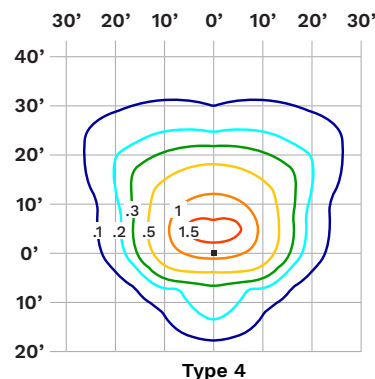
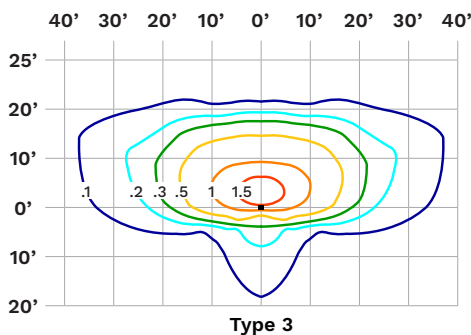
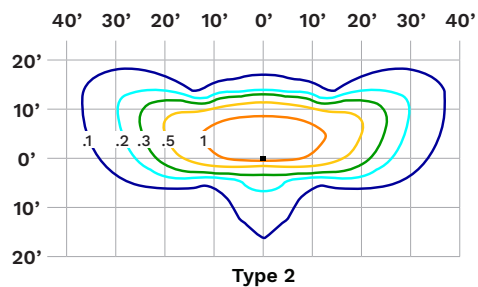


Front View



Side View

### PHOTOMETRICS (IES files available on website)



**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 Universal	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			