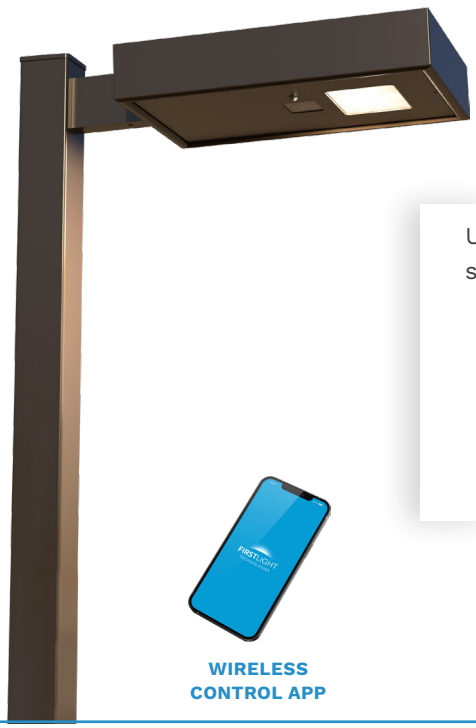
FIRSTLIGHT TECHNOLOGIES

SCL2 Series

SOLAR LED INTEGRATED COMMERCIAL AREA LIGHT

Project:

Type: Quantity:



WIRELESS CONTROL APP

The SCL2 Series 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.

Using 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
- Smart Connect provides wireless control & communication with your light
- 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 monocrystalline cells ▪ Inconspicuously integrated into the top of luminaire ▪ Used for day/night detection (no photocell required)
Solar Lighting Controller (SLC):	▪ Microcontroller-based technology ▪ High-efficiency, Maximum Power Point Tracking (MPPT) battery charger ▪ Built-in high-efficiency LED driver ▪ Multiyear data logging ▪ Automatically manages lighting performance based on environmental conditions and lighting requirements ▪ Integrated into luminaire housing
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 LED ▪ 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 cutoff optics ▪ Typical lumen output 3250 lumens ▪ Optional backlight shield ▪ Wildlife-friendly amber option available
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:	▪ 11 standard duration profiles available ▪ Real-time lighting profile options available ▪ See lighting profile sheet for all options ▪ Lighting profiles and motion sensing options are field configurable with app ▪ Motion sensing capabilities optimize performance based on usage
Wireless Controls:	▪ Easy-to-use interface via iOS smartphone app ▪ Configure and control lighting profiles ▪ Adjust dusk and dawn thresholds ▪ Motion sensing capabilities optimize performance based on usage

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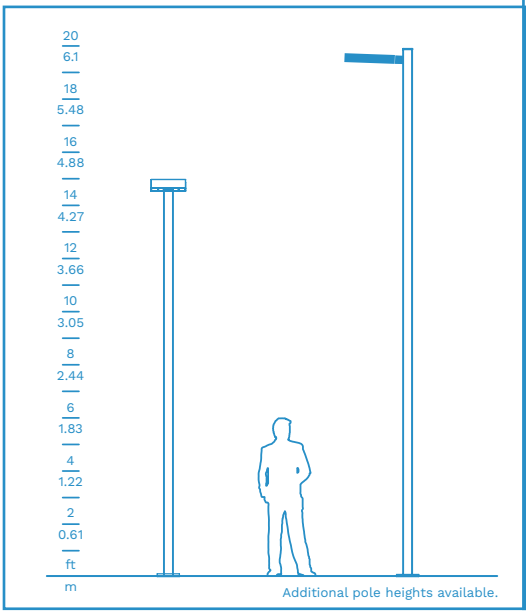
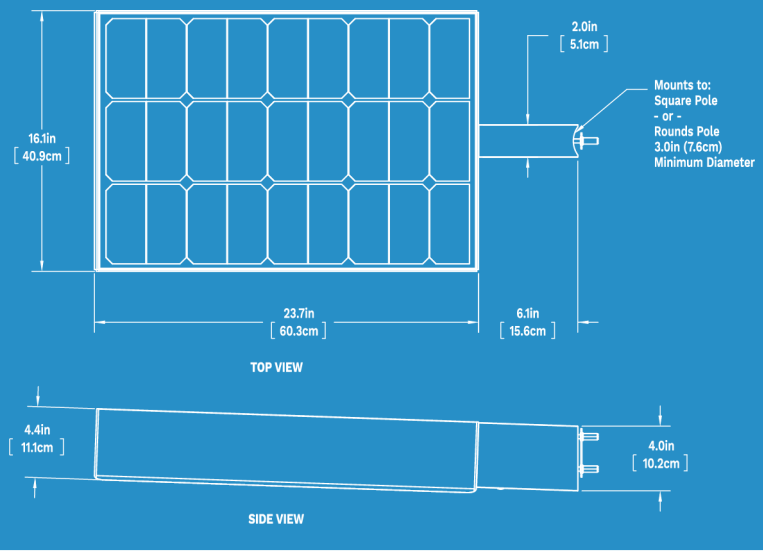
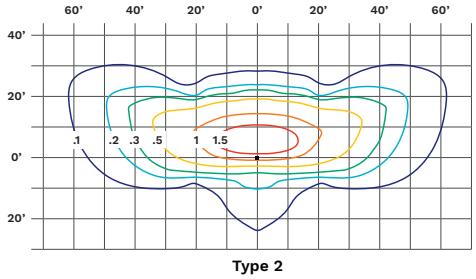


Additional pole heights available.

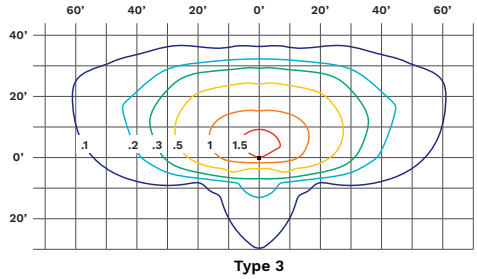
EPA: 0.99ft² (0.09m²) | Weight: 34lbs (15.4kg) including battery



PHOTOMETRICS (IES files available on our website)



Type 2



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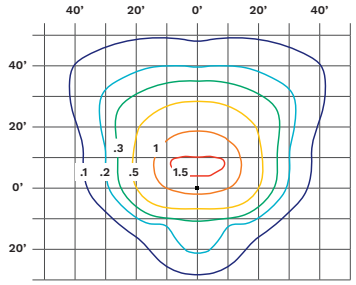

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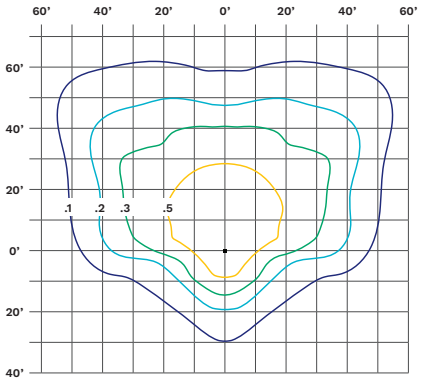
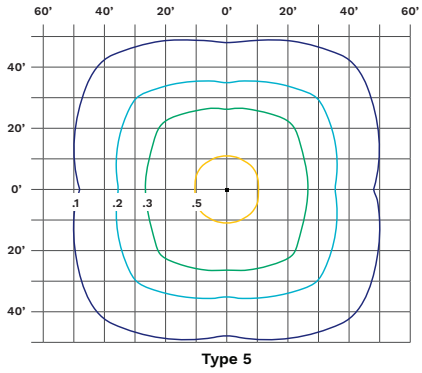


Type 4F



Type 5

Notes:

- Photometrics based on 20 ft mounting height
- Light levels in foot candles are calculated using 3250 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 Profiles (Full list on website)	Options
SCL2	**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
	NMNT - No Mount	**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			

Illuminating Engineering Society | RoHS Compliant

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