

Classic Square Series — SCL2

When maximum illumination is required, FLT's SCL2 is the perfect solution for parking lots, commercial and public pathways, bike trails, public spaces, and more. Powered by solar energy, the LED SCL2 combines cutting-edge solar and battery technologies with robust construction to deliver exceptional performance and reliability. Equipped with FLT's proprietary Adaptive Intelligence, the SCL2 provides dependable illumination throughout the night, regardless of weather conditions or geographic location. With no need for trenching or electrical wiring, the SCL2 offers a seamless, cost-effective, and eco-friendly alternative to traditional lighting systems.

Benefits & Features:

- No wiring, trenching, or electrical service required
- Integrated design eliminates visually distracting external solar panels
- Cost-effective design ships fully assembled and installs in minutes
- No ongoing maintenance
- Provides programmed illumination all night, every night

Key Applications:

- Parking Lot, Pathway, Plaza, Area



Technical Specifications

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| Solar Panels | <ul style="list-style-type: none"> • Industry's most efficient solar panel technology • Integrated into the top of luminaire • Active cell technology optimizes power generation even when partially blocked |
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| Battery | <ul style="list-style-type: none"> • High performance Lithium Iron Phosphate (LiFePO4) technology • High and low temperature tolerance • Integrated within luminaire housing |
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| LED Engine & Controller | <ul style="list-style-type: none"> • 100,000-hour LED L70 lifetime • CCT Options: 2700K, 3000K, 4000K • Dark Sky approved for 2700K, 3000K, and Amber • Wildlife friendly, narrow-band Amber LEDs (595nm) • High-efficiency, Maximum Power Point Tracking(MPPT) battery charger • High-efficiency integrated LED driver • Integrated optics maximize application efficiency and light distribution |
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| Optical Performance | <ul style="list-style-type: none"> • High-efficiency type II, III, IV, and V full cutoff optics • Optional backlight shield • Achieves pathway and area lighting standards with typical output of 3250 lumens • B1 – U0 – G1 BUG Rating |
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| Adaptive Intelligence | <ul style="list-style-type: none"> • Intelligently manages lighting performance based on environmental conditions and lighting requirements • On-board multi-year data logging • Microcontroller-based technology • Equipped for motion sensing |
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| Materials | <ul style="list-style-type: none"> • Marine-Grade Aluminum • Stainless fasteners • Architectural grade, durable, TGIC powder coat • Standard and custom colors available |
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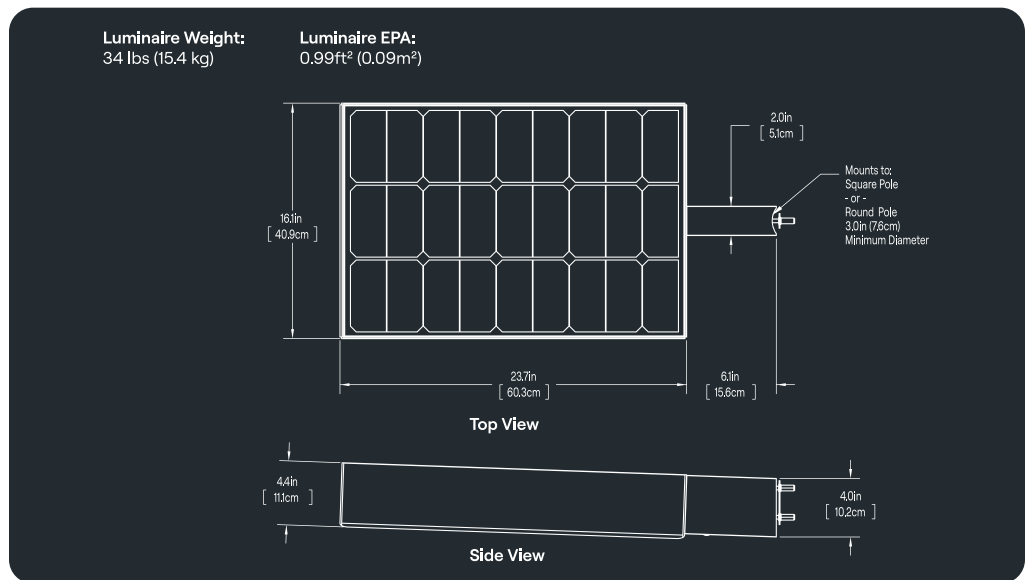
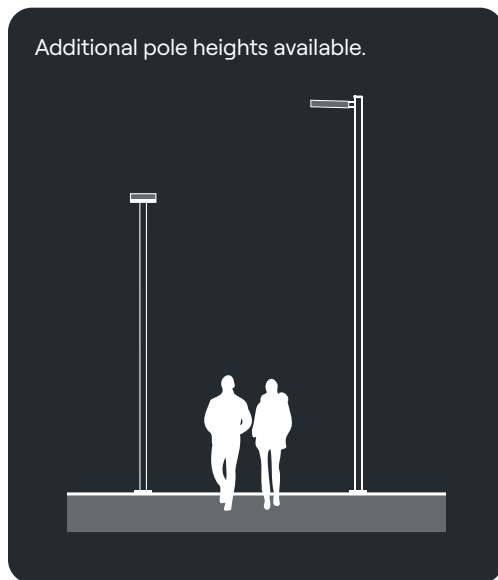
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| Mechanical | <ul style="list-style-type: none"> • Various pole height options are available • Pre-drilled for seamless installation |
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| Reliability & Warranty | <ul style="list-style-type: none"> • Tested for High- & Low- heat and humidity • 5-year warranty • 10+ year battery life • Designed and manufactured in North America |
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| Lighting Profiles | <ul style="list-style-type: none"> • 11 standard duration profiles available—pre-programmed or field adjustable • Custom, time-based profile options |
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Order Matrix

Series	Mounting	Finish	Distribution	LED	Lighting Profiles	Options
SCL2	SPMU - Side Pole Mount Universal	BK - Black	Type II	2700K	00 - On at dusk > Off at dawn	SEC - Security Fasteners
	NMNT - No Mount	BZ - Bronze	Type III	3000K	01 - On at dusk > Off after 6 hours	MSO - Motion Sensor Off
		SV - Silver	Type IV	4000K	02 - On at dusk > Dim to 30% after 6 hours > Off at dawn	BLS - Backlight Shield
		WH - White	Type V	Amber	03 - On at dusk > Off after 5 hours > On 1 hour before dawn > Off at dawn	BLB - Blue Light Blocker
		CC - Custom			04 - On at dusk > Dim to 30% after 5 hours > Brighten to 100% 1 hour before dawn > Off at dawn	
					05 - On at dusk > Off after 3 hours	
					06 - On at dusk > Off after 4 hours	
					07 - On at dusk > Off after 4 hours > On 1 hour before dawn > Off at dawn	
					08 - Off (typically used with motion sensing)	
					09 (Default) - On at dusk > Dim to 30% after 3 hours > Brighten to 100% 1 hour before dawn > Off at dawn	
					10 - On 30% at dusk > Off at dawn	
					11 - Custom dusk - dawn - time-of-day profile	

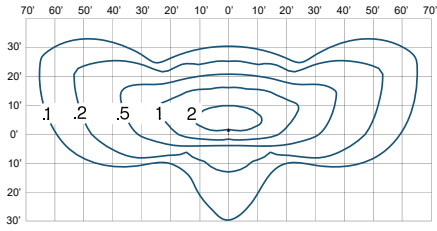


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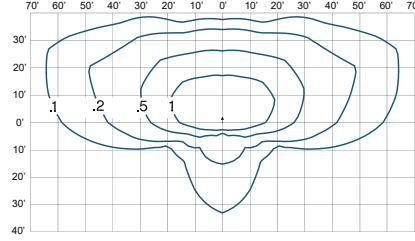


Photometrics

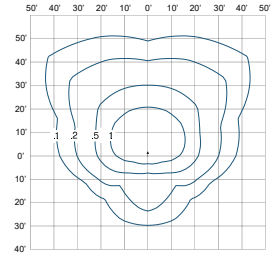
Type II



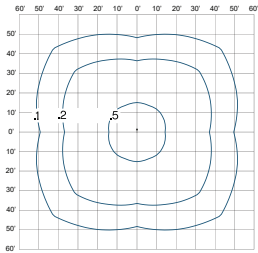
Type III



Type IV



Type V



Notes:

1. Photometrics based on 20 ft mounting height.
2. Light levels in foot candles are calculated using 3250 lumens at 4000K color temperature.
3. To convert to lux multiply light levels by 10.7.
4. Typical lumen levels based off of Type V optic with the default profile using neutral white LEDs.
5. Contact us for help in choosing the right lighting profile and distribution.
6. Motion sensing is ON by default.
7. Specifications subject to change without notice.
8. IES files available at FLT.com.