

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. With FLT's exclusive Adaptive Intelligence, the SCL2 provides dependable illumination throughout the night, regardless of weather conditions or geographic location. The SCL2 combines cutting-edge solar and battery technologies with robust construction to deliver exceptional performance and reliability. With no need for trenching or electrical wiring, the SCL2 offers a seamless, cost-effective, and eco-friendly alternative to traditional lighting systems.

Features and Benefits

- 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
- Wireless control & communication with your light

Key Applications

- Pathways, Parking Lots, and Area Lighting

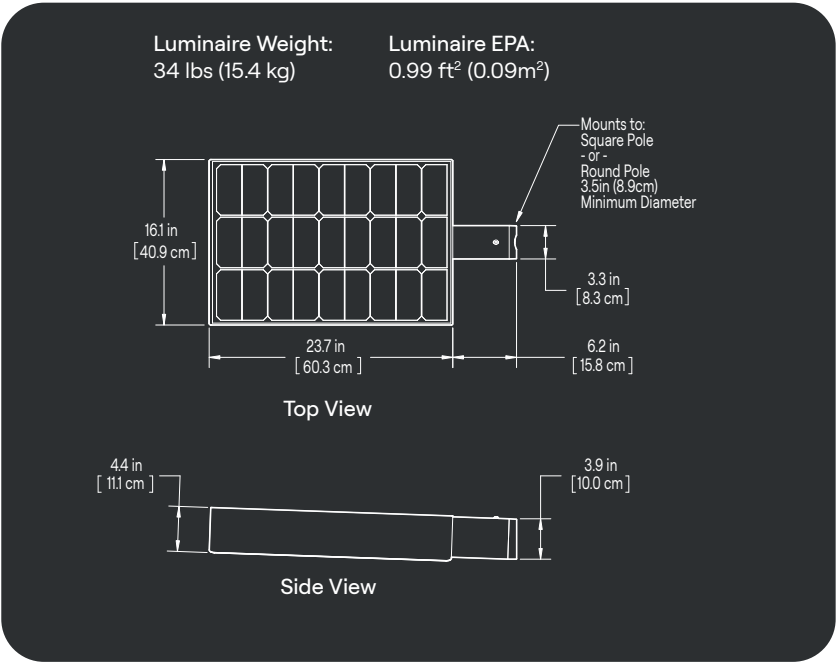
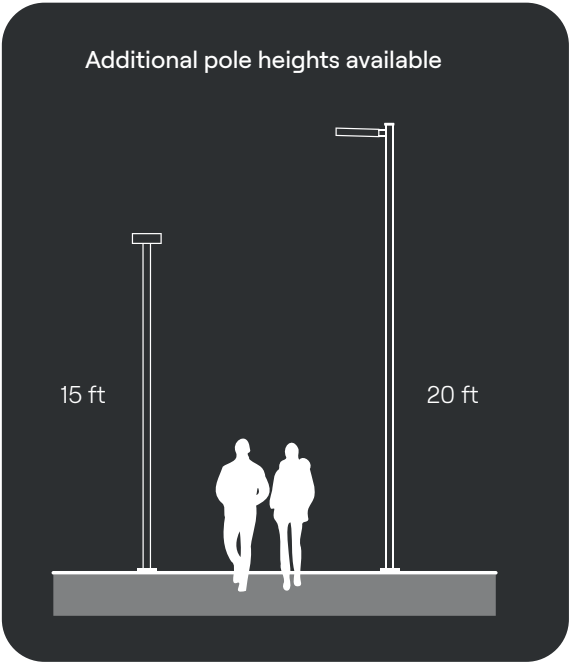


Technical Specifications

Solar Module	• Industry's most efficient solar panel technology • Integrated into the top of luminaire • Active cell technology optimizes power generation even when partially blocked	FLT's Exclusive Controller with Adaptive Intelligence	• Ensures all-night every-night performance by intelligently managing lighting based on environmental conditions and lighting requirements • Smart dusk/dawn detection synchronizes lights across installation using astronomical calculations • Automatically detects its timezone and sets its time for time-of-night profiles • High-efficiency, Maximum Power Point Tracking (MPPT) battery charger • High-efficiency integrated LED driver • On-board multi-year data logging
Battery	• High performance Lithium Iron Phosphate (LiFePO4) • Exceptional 10+ year life • High and low temperature tolerance • Integrated within luminaire housing	Construction & Materials	• Marine-grade aluminum structure • Stainless steel fasteners • Architectural grade powder coat • Standard and custom colours available
LED Light Engine	• Integrated optics maximize application efficiency and light distribution • CCT Options: 4000K, 3000K, 2700K, 1850K Lumileds NightScape (<2% blue light) • Wildlife friendly, narrow-band Amber LEDs (595nm) • Type 2, 3, 4F, and 5 full cut-off high efficiency optics • Optional backlight shield	Installation & Mounting	• Mounts in minutes with our innovative cleat mount • Mounts to square poles, round poles (3.5 in minimum diameter), or any flat surface, such as a wall • Comes fully assembled and automatically turns on when removed from the box
Optical Performance	• Achieves pathway and area lighting standards with typical output of 5030 lumen • 100,000-hour LED L70 lifetime • DarkSky Approved for 3000K, 2700K, Nightscape, and Amber • B1 – U0 – G1 BUG Rating (T2)	Wireless Control	• Easy-to-use interface via iOS smartphone app • Configure and control lighting profiles • Adjust dusk and dawn thresholds • Adjust motion sensor settings
Lighting Profiles	• 11 duration-based profiles • Easily configurable, time-of-night profiles • All profiles pre-programmed or field adjustable • Motion-sensing capabilities optimize performance based on usage	Reliability & Warranty	• Tested for high & low heat and humidity • 5-year warranty • 10+ year battery life • Designed and manufactured in North America

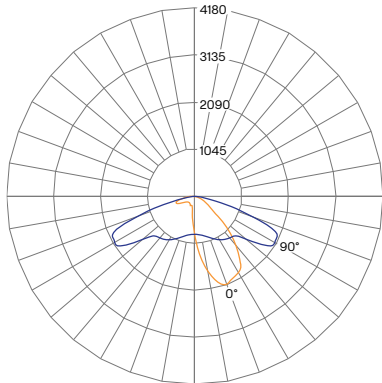
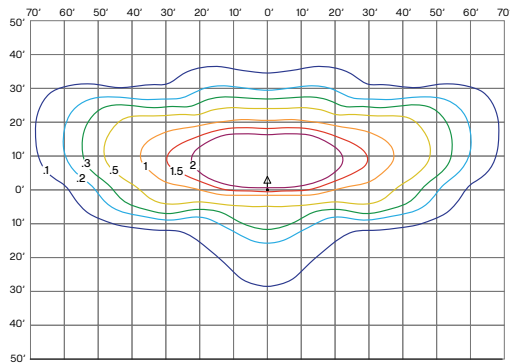
Order Matrix

Series	Mounting	Finish	Distribution	LED	Lighting Profiles	Options
SCL2	CM - Cleat Mount	BK - Black	T2 - Type 2	DarkSky Approved Options:	00 - On at dusk > Off at dawn	MSO - Motion Sensor Off
		BZ - Bronze	T3 - Type 3	WW - 3000K	01 - On at dusk > Off after 6 hours	BLS - Backlight Shield
		SV - Silver	T4F - Type 4F	XW - 2700K	02 - On at dusk > Dim to 30% after 6 hours > Off at dawn	
		WH - White	T5 - Type 5	NS - 1850K Lumileds Nightscape	03 - On at dusk > Off after 5 hours > On 1 hour before dawn > Off at dawn	
		CC- Custom Color		AMB - Amber	04 (Default) - 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	
				Not DarkSky Approved:	06 - On at dusk > Off after 4 hours	
				NW - 4000K	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	
					TX0000X0000 - T=Real-time based lighting profile. X=Choose O for off, L for Low (30%) or M for Medium (50%) or B for Bright. 0000=Choose event time between 00:00 and 23:59. Second event optional	

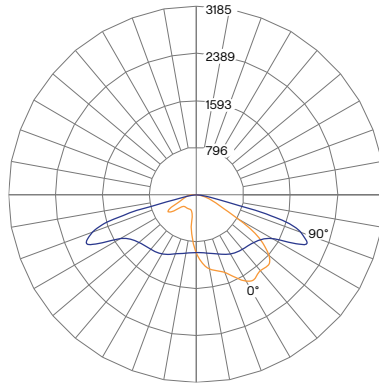
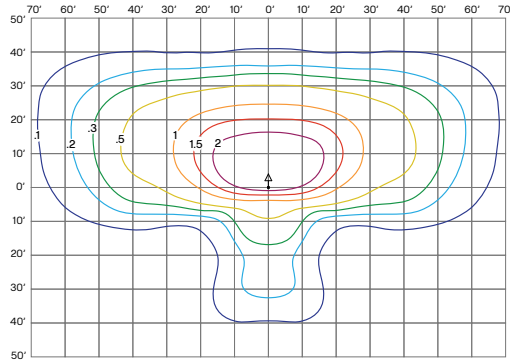


Photometrics

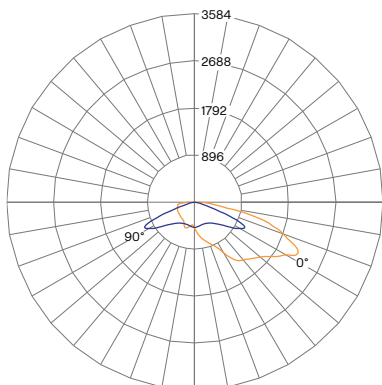
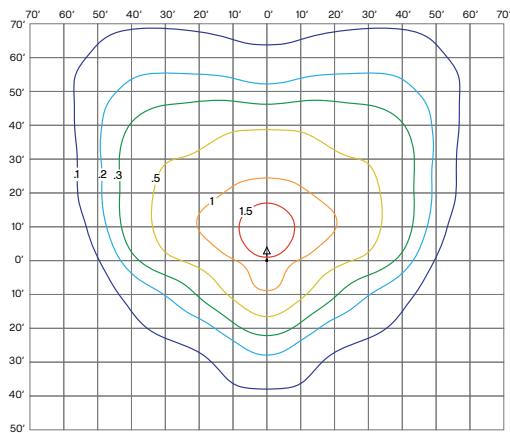
Type 2



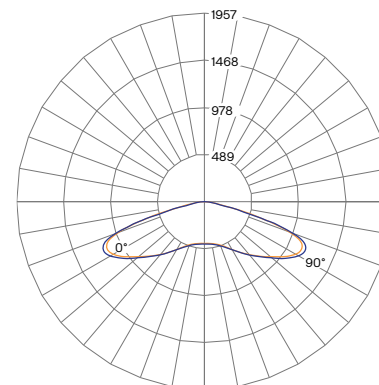
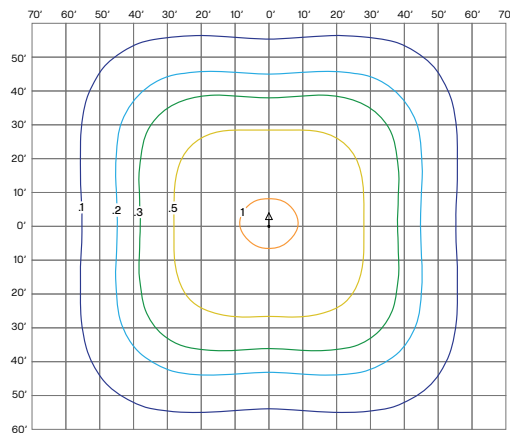
Type 3



Type 4F



Type 5



Notes:

1. All plots are for 4000K color temperature and typical lumen output
2. Illuminance plots are in foot candles and based on 20 ft mounting height
3. Polar candela plots are for the 0° and 90° Vertical Planes
4. Specifications subject to change without notice
5. IES files available at flt.com