FLT

Project:

Type: Quantity:

SCL3 Series - Solar Street & Area Light



The SCL3 Series solar LED street and area light is the perfect solution for a wide range of public and commercial lighting applications including streets, pathways and parking lots.

With FLT's exclusive Adaptive Intelligence™ Lighting Controller, the SCL3 provides dependable illumination throughout the night, regardless of weather conditions or geographic location. The SCL3 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 SCL3 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 and communication with your light

Key Applications

- Streets, Pathways, Parking Lots, and Area Lighting

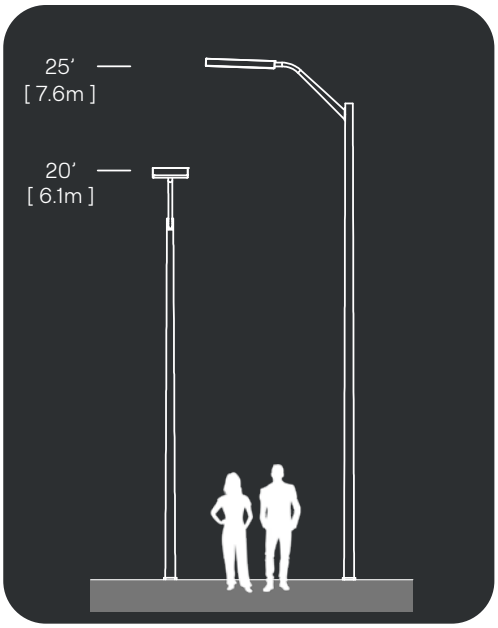
Technical Specifications

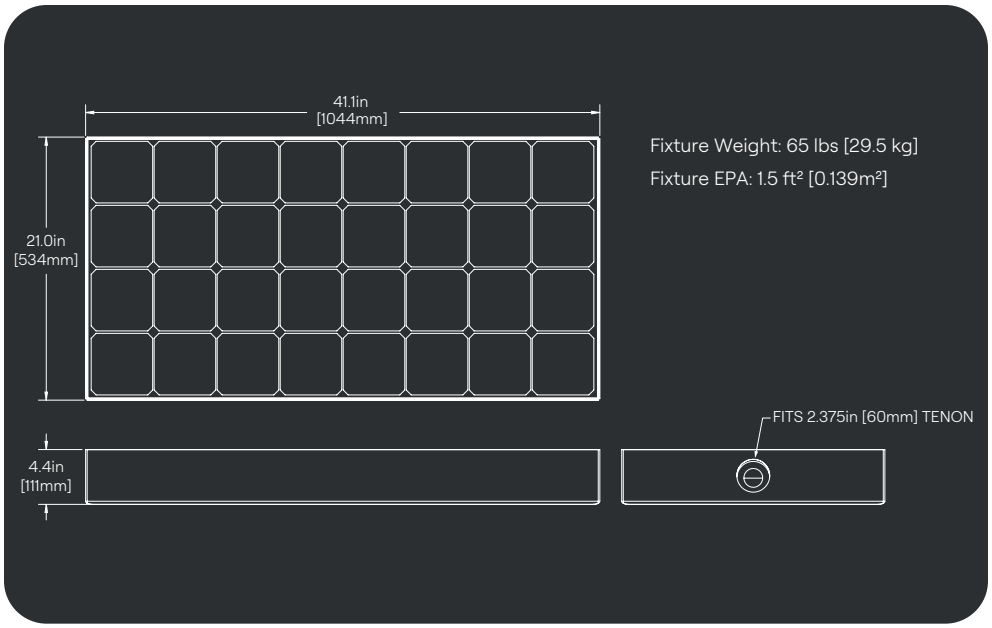
FLT Active Cell™ Solar Panel	• Industry's most efficient solar panel technology • Integrated into the top of luminaire • Active cell technology optimizes power generation even when partially blocked
FLT All-Weather™ LiFePO4 Battery	• High performance Lithium Iron Phosphate (LiFePO4) chemistry • Exceptional 10+ year life • High and low temperature tolerance • Integrated within luminaire housing
LED Light Engine	• Type 2, 3, 4, and 5 full cut-off high efficiency optics. • CCT Options: 2700K, 3000K, 4000K • IP67 optic sealing provides water and dust ingress protection. • Optional backlight shield
Optical Performance	• Achieves typical lumen output of 8060 lumens • 60,000-hour LED L70 lifetime • B2 – U0 – G2 BUG Rating (T2) • DarkSky Approved for 3000K and 2700K when mounted horizontally
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
FLT Adaptive Intelligence™ Lighting Controller	• 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 FLT ChargeLogic™ MPPT Charger • High-efficiency integrated LED driver • On-board multi-year data logging
Wireless Control	• Easy-to-use interface via iOS smartphone app • Configure and control lighting profiles • Adjust dusk and dawn thresholds • Adjust motion sensor settings
Construction & Materials	• Durable aluminum body with stainless steel fasteners • Architectural grade powder coat rated to super-durable AAMA 2604 specifications • Available in a range of designer-curated FLT colors (Custom colors available upon request)
Reliability & Warranty	• Tested for high & low heat and humidity • 5-year warranty • 10+ year battery life • Designed and manufactured in North America

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Order Matrix

Series	Mounting	Finish	Distribution	LED	Lighting Profiles	Options
SCL3	HT - 2 ⅜" Tenon Mount	BK - Black	T2 - Type 2	DarkSky Approved Options:	00 - On at dusk > Off at dawn	BLS - Backlight Shield
		DB - Dark Bronze	T3 - Type 3	XW - 2700K	01 - On at dusk > Off after 6 hours	MSO - Motion Sensor Off
		LG - Light Gray	T4 - Type 4	WW - 3000K	02 - On at dusk > Dim to 30% after 6 hours > Off at dawn	
		CC- Custom Color	T5 - Type 5		03 - On at dusk > Off after 5 hours > On 1 hour before dawn> Off at dawn	
				Not DarkSky Approved:	04 - On at dusk > Dim to 30% after 5 hours > Brighten to 100% 1 hour before dawn > Off at dawn	
				NW - 4000K	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	
					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.	





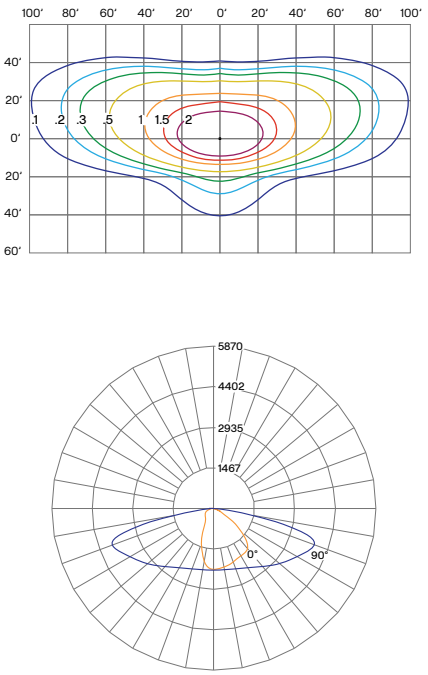
DarkSky Approved
Commercial Luminaire

FLT

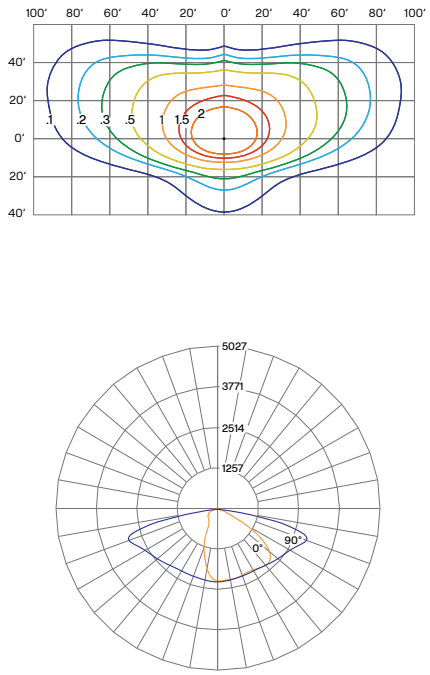
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Photometrics

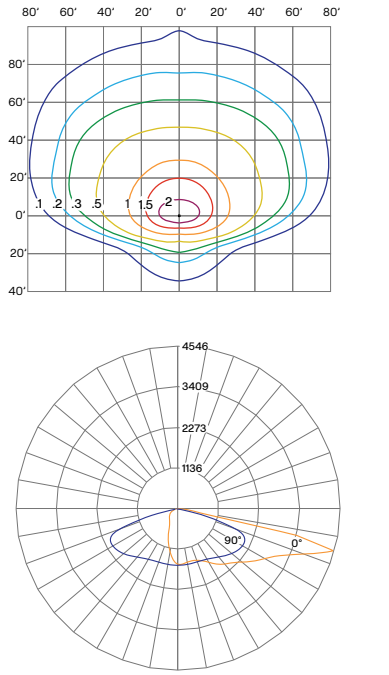
Type 2



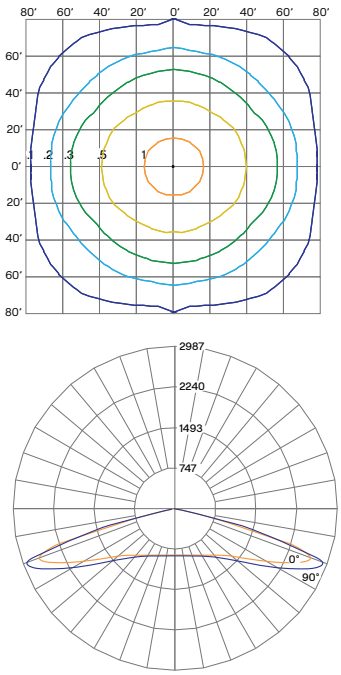
Type 3



Type 4



Type 5



Notes:

1. Photometrics based on 25 ft mounting height.
2. All light levels in foot candles (fc) with 4000K color temperature and an output of 8060 lumens.
3. Contact us for help in choosing the right lighting profile and distribution.
4. Specifications subject to change without notice.
5. IES files available at flt.com.

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