

Classic Round Series — RSL Side Mount

The contemporary shape of the RSL side-mounted lights make them an attractive choice for a variety of locations including pathways, parking lots, bikeways, and public spaces. With FLT’s exclusive Adaptive Intelligence, the RSL provides dependable illumination throughout the night, regardless of weather conditions or geographic location. These solar powered LED luminaires integrate the latest solar panel and battery technologies into the fixture for a sleek look. With no need for trenching or electrical wiring, the RSL offers a seamless, cost-effective, and eco-friendly alternative to traditional lighting systems.

Benefits & Features:

- No wiring, trenching, or electrical service required
- Easy mounting to the side of the pole with a convenient cleat mount, or onto a horizontal tenon with the tenon mount option
- 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:

- Pathway, Area, Parking Lot



Technical Specifications

Solar Module

- Industry’s most efficient solar panel technology
- Integrated into the top of the luminaire
- Active cell technology optimizes power generation even when partially blocked

Battery

- High performance Lithium Iron Phosphate (LiFePO4)
- Exceptional 10+ year life
- High and low temperature tolerance
- Integrated within luminaire housing

LED Light Engine

- Integrated optics maximize application efficiency and light distribution
- CCT Options: 4000K, 3000K, 2700K
- Wildlife friendly, narrow-band Amber LEDs (595nm)
- Type 2, 3, 4, 4F, and 5 full cut-off high efficiency optics
- Optional backlight shield

Optical Performance

- Achieves pathway and area lighting standards with typical output of 3570 lumen
- 100,000-hour LED L70 lifetime
- Darksky approved for 3000K, 2700K, and Amber
- B1 – U0 – G1 BUG Rating (T2)

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’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

Construction & Materials

- Die-cast aluminum structure
- Stainless steel fasteners
- Architectural grade powder coat rated to super-durable AAMA 2604 specifications
- Standard and custom colours available

Wireless Control

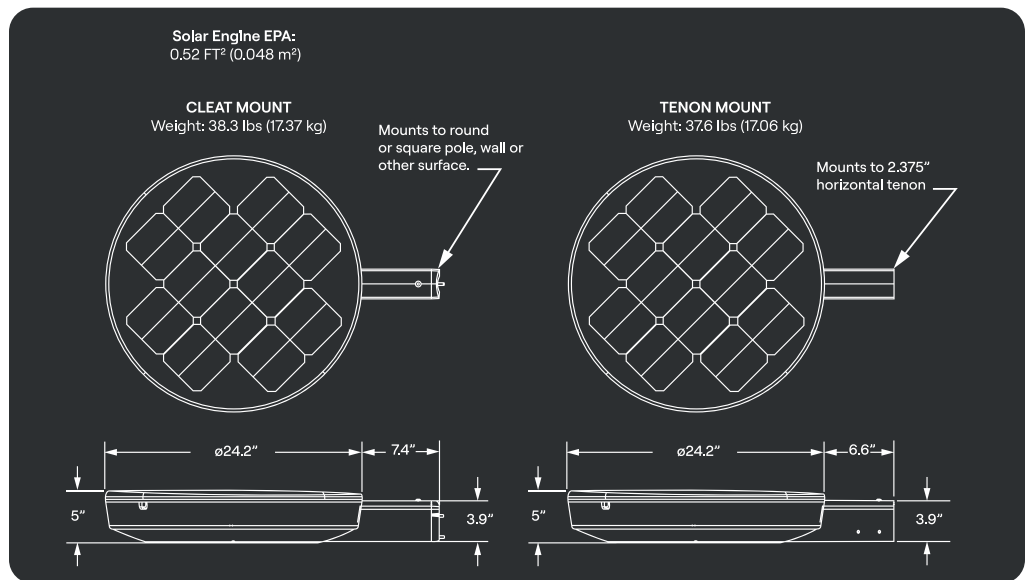
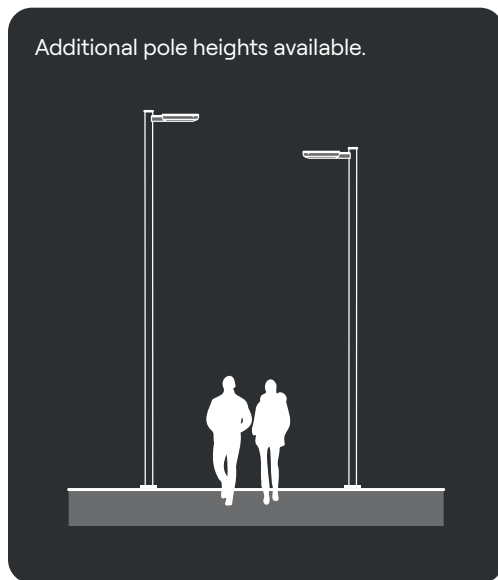
- Easy-to-use interface via iOS smartphone app
- Configure and control lighting profiles
- Adjust dusk and dawn thresholds
- Adjust motion sensor settings

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
RSL	CM - Cleat Mount	BK - Black	T2 - Type 2	DarkSky Approved:	00 - On at dusk > Off at dawn	MSO - Motion Sensor Off
	TM - Tenon Mount	BZ - Bronze	T3 - Type 3	WW - 3000K	01 - On at dusk > Off after 6 hours	BLS - Backlight Shield
		CC - Custom	T4 - Type 4	XW - 2700K	02 - On at dusk > Dim to 30% after 6 hours > Off at dawn	
			T4F - Type 4F	AMB - Amber	03 - On at dusk > Off after 5 hours > On 1 hour before dawn > Off at dawn	
			T5 - Type 5		04 - On at dusk > Dim to 30% after 5 hours > Brighten to 100% 1 hour before dawn > Off at dawn	
				Not DarkSky Approved:	05 - On at dusk > Off after 3 hours	
				NW - 4000K	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	

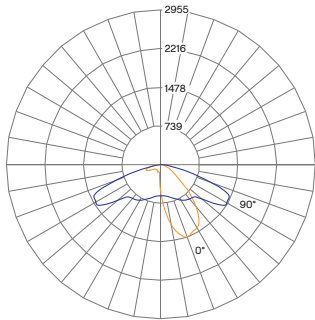
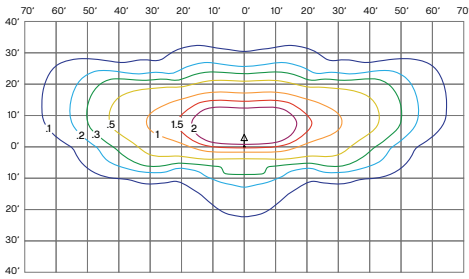


FLT

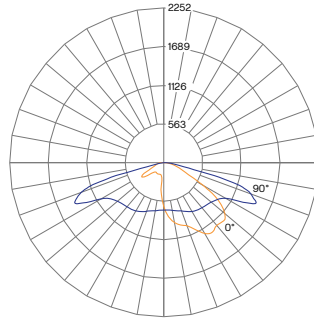
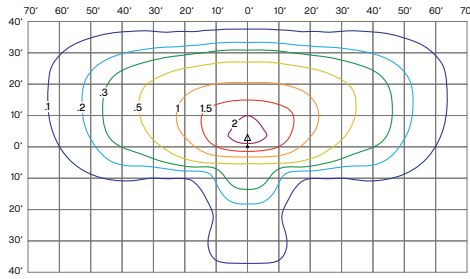


Photometrics

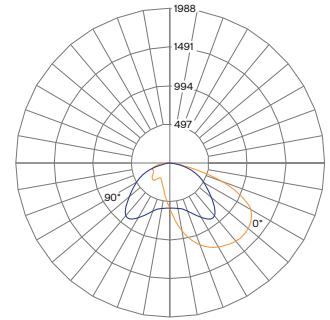
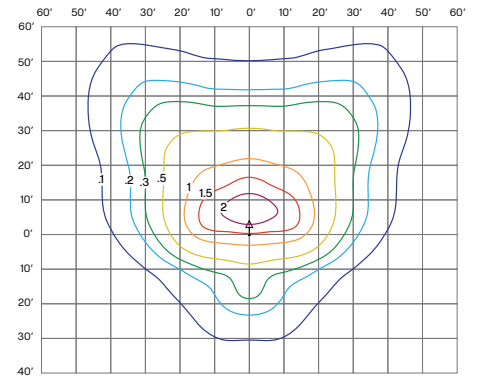
Type 2



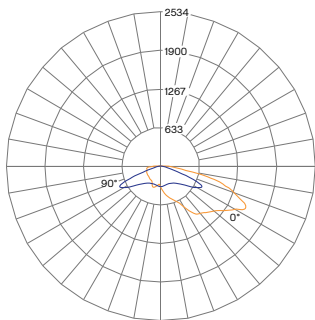
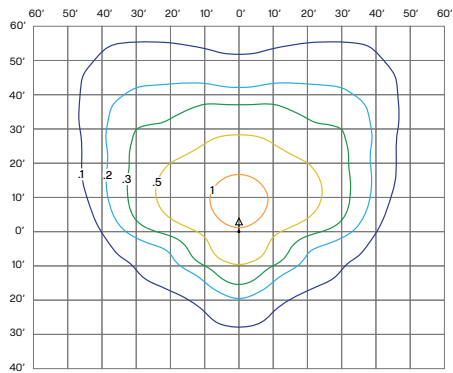
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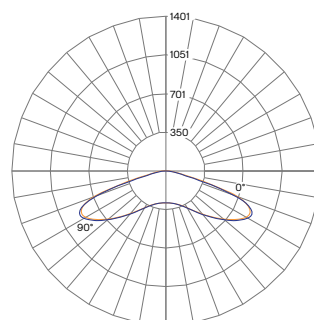
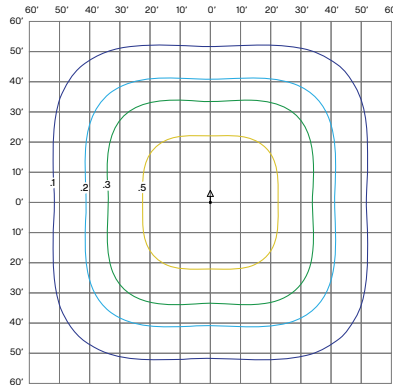
Type 4



Type 4F



Type 5



Notes:

1. Plots are calculated using 3570 lumens at 4000K color temperature.
1. Illuminance plots are in foot candles and based on 20 ft mounting height.
1. Polar candela plots are for the 0° and 90° Vertical Planes.
2. Specifications subject to change without notice.
3. IES files available at FLT.com.