# RSL SERIES - POLE TOP MOUNT

## SOLAR LED INTEGRATED COMMERCIAL AREA LIGHT

**FIRST**LIGHT
TECHNOLOGIES

Project: _____

Type: _____     Quantity: _____

**WIRELESS CONTROL APP**

The RSL Series solar LED round luminaire is a versatile lighting solution designed for a variety of spaces, from commercial and parking lot spaces to recreational bikeways and public areas. Its self-contained design flawlessly integrates solar power, adaptive control, and LED technologies into a compact, efficient form. With its sturdy construction and outstanding performance, the RSL series delivers cost-effective, full-cutoff lighting wherever it's required.

Using solar power and LEDs, the RSL series is completely self-contained and offers significant benefits:

- Cost-effective design ships fully assembled and installs in minutes
- 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
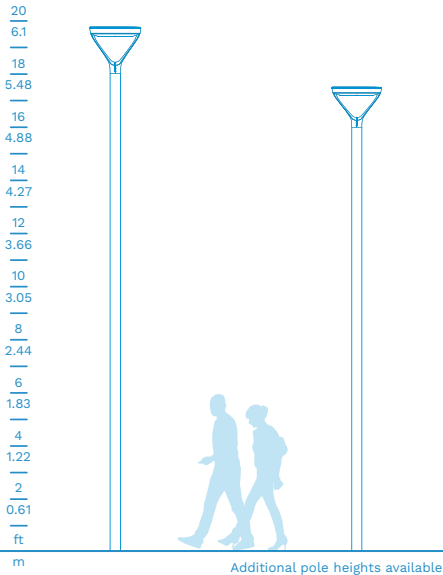- Designed for easy battery changes when required

**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

**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
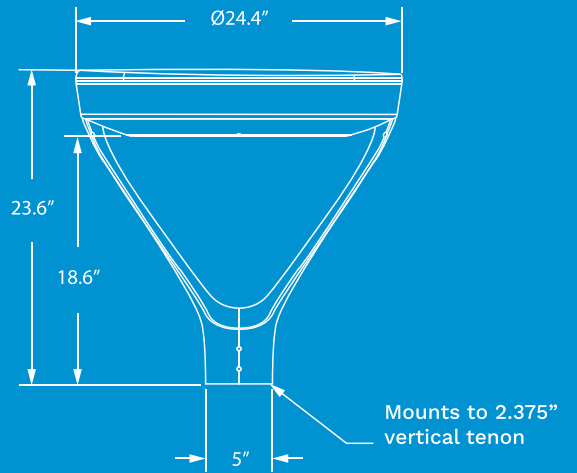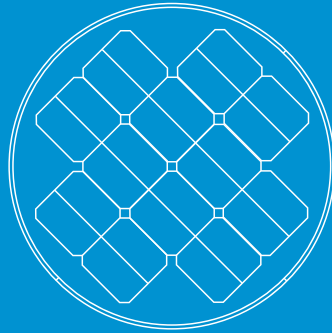- Optional backlight shield
- Wildlife-friendly amber option available

**Mechanical Construction:**
- Yoke Mount option allows easy mounting to a vertical tenon
- Die-cast aluminum
- Toolless access
- Stainless fasteners
- 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
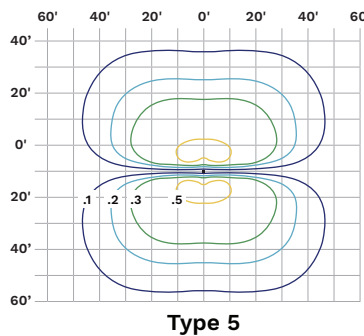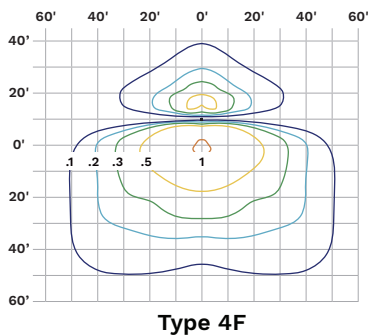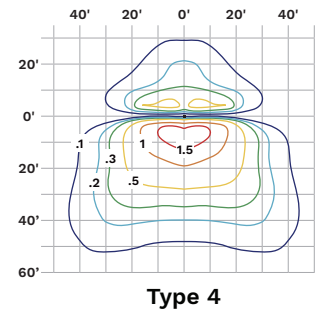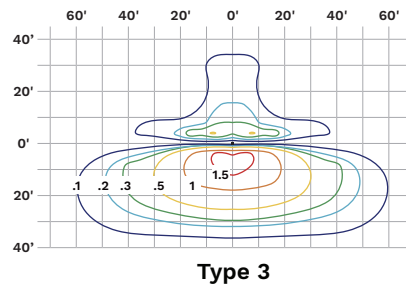
**FIRST**LIGHT TECHNOLOGIES
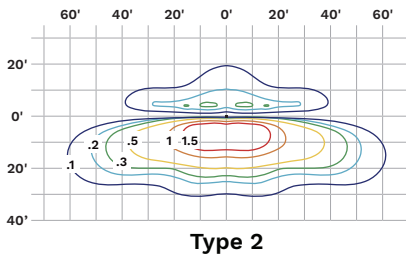
Top Tenon Mount Luminaire Weight: 41.04 lbs (18.62 kg)

Solar Engine EPA: 0.52 ft² (0.048 m²)

Solar Engine and Mount EPA: 0.68 ft² (0.063 m²)

Ø24.4"

23.6"

18.6"

5"

Mounts to 2.375" vertical tenon

Additional pole heights available.

## PHOTOMETRICS (IES files available on our website)


Type 2


Type 3


Type 4


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 | Optic | Distribution | LED | Lighting Profiles (full list on website) | Options |
|--------|----------|--------|-------|--------------|-----|------------------------------------------|---------|
| **RSL** | **CM** - Cleat Mount | **BK** - Black | **ST** - Standard | **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 |
| | **TM** - Tenon Mount | **SV** - Silver | | **T4** - Type 4 | **NW** - 4000K | | **BLS** - Backlight Shield |
| | **PTM** - Pole Top Mount | **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. | **BLB** - Blue Light Blocker |
| | | **CC** - Custom | | **T5** - Type 5 | | | |