RSL SERIES - TENON MOUNT

SOLAR LED INTEGRATED COMMERCIAL AREA LIGHT

FIRSTLIGHT
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:
- New easy-mount bracket makes side pole mounting a breeze
- Tenon Mount option allows easy mounting to a horizontal tenon
- Die-cast aluminum
- Toolless access
- Stainless fasteners
- Architectural grade, super durable, TGIC powder coat
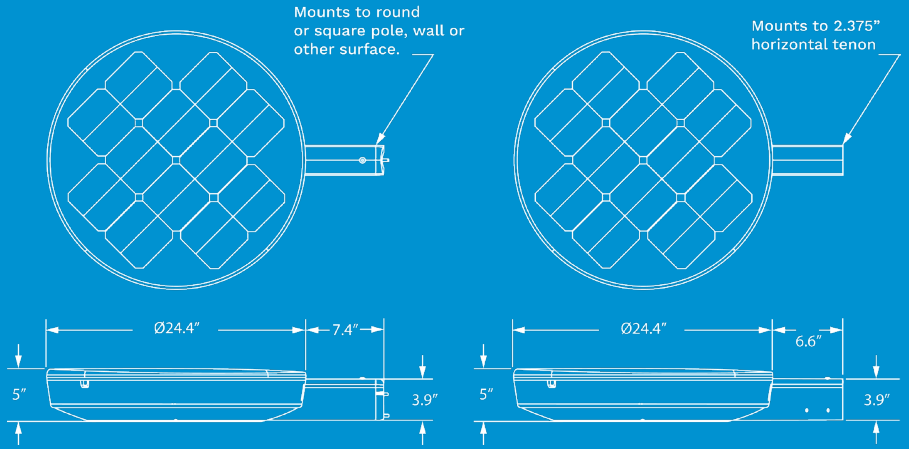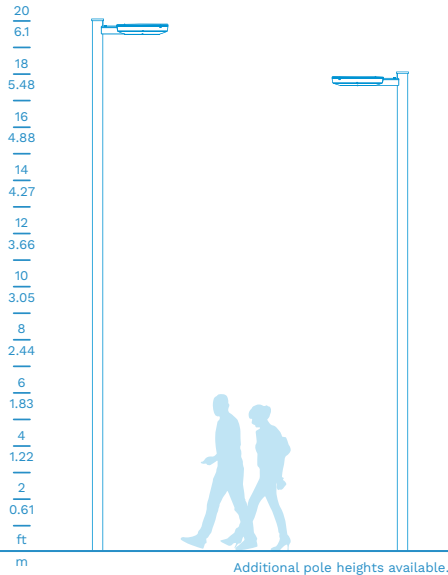- Four standard colors with custom colors available

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

Side Tenon Mount Luminaire Weight: 37.6 lbs (17.06 kg)

Side Cleat Mount Luminaire Weight: 38.3 lbs (17.37 kg)

Solar Engine EPA: 0.52 ft² (0.048 m²)

Additional pole heights available.

Mounts to round or square pole, wall or other surface.

Mounts to 2.375" horizontal tenon

Ø24.4" 7.4" 5" 3.9"

Ø24.4" 6.6" 5" 3.9"
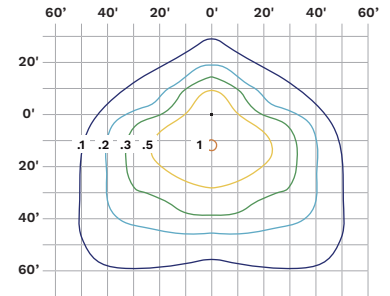
PHOTOMETRICS (IES files available on our website)
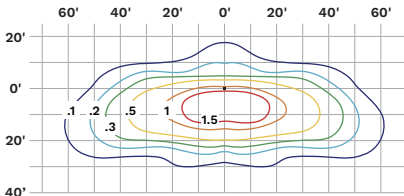
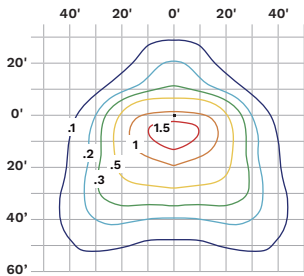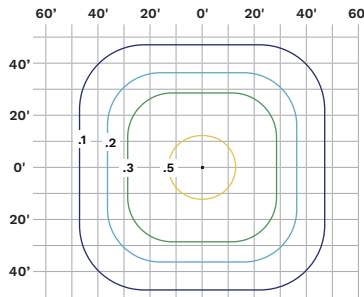Type 2
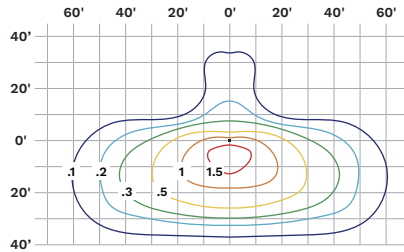
Type 3

Type 4F

Type 4

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			

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