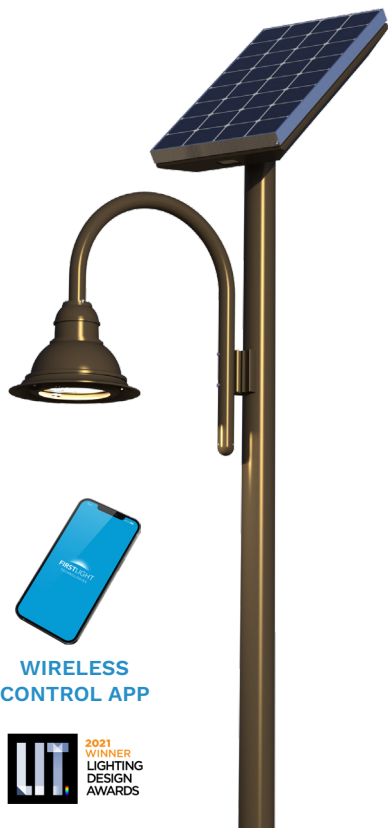


Project: \_\_\_\_\_

Type: \_\_\_\_\_

Quantity: \_\_\_\_\_



WIRELESS  
CONTROL APP

The BFL Series solar LED bell-shaped outdoor area luminaire is a great fit where decorative architectural lighting is required. The self-contained, unobtrusive solar engine design integrates its solar power, battery and adaptive control capabilities into a compact and simple form. This, combined with an efficient LED fixture, makes the BFL Series an excellent fit where high performance, full cutoff and cost-effective lighting is needed.

- With the latest solar, LED and lithium battery technology, the BFL series offers significant advantages
- Cost-effective design ships fully assembled and installs in minutes
- Low installation cost and minimal site impact with no trenching or cabling
- Wireless control & communication with light
- Minimal ongoing costs with no electrical bills
- 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 controller in each light is “self-learning” and allows the lights to predictively adapt to their surroundings, providing an unsurpassed level of lighting performance and reliability.

## TECHNICAL SPECIFICATIONS

### Solar Module:

- High-efficiency monocrystalline cells
- Inconspicuously integrated into the low profile solar engine housing
- Used for day/night detection (no photocell required)

### Solar Lighting Controller (SLC):

- High-efficiency, maximum power point tracking (MPPT)
- Microcontroller based technology
- Multiyear data logging
- Integrated into solar engine housing
- Designed to adaptively manage lighting performance based on environmental conditions and lighting requirements

### Battery:

- High-performance lithium (LiFePO4)
- Exceptional 10+ year lifecycle
- High temperature tolerance
- Contained within solar engine housing
- Designed for easy battery replacement

### Mechanical:

- Solar engine housing formed from marine-grade, corrosion resistant, aluminum alloy
- Internal top of pole mount
- Toolless access
- Architectural grade, durable, TGIC powder coat

### LEDs and Optics:

- Warm White (3000K), Neutral White (4000K) LEDs available
- High-efficiency type 2, 3, 4, 5 optics
- Full cutoff optics and Dark-Sky compliant
- Typical lumen output of 6400 lumens
- Integrated weatherproof, high-efficiency, dimmable LED driver

### Factory Set Lighting Profiles:

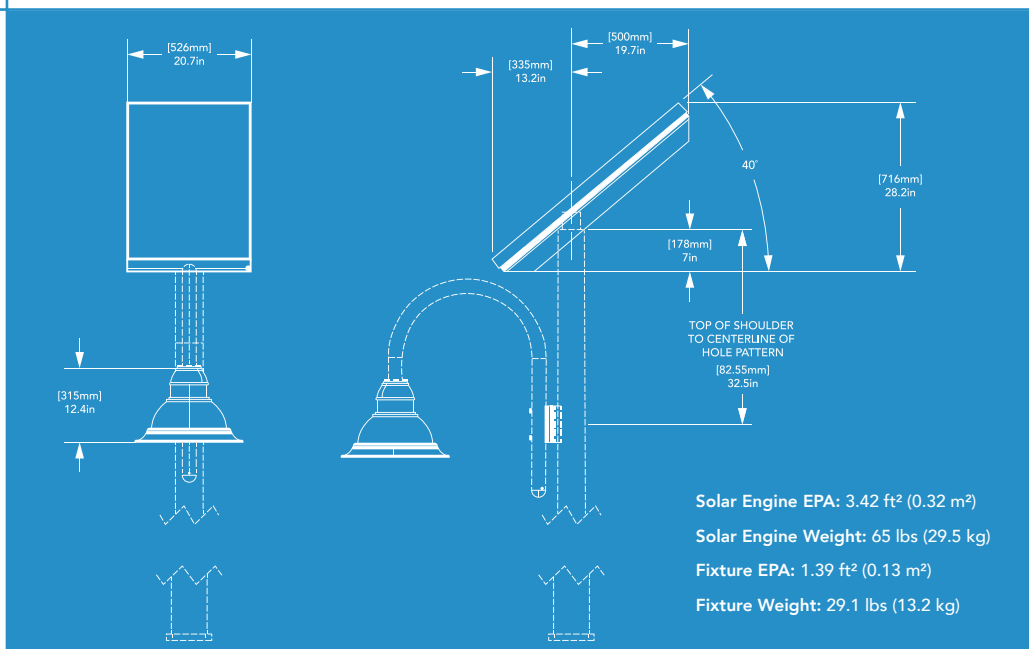
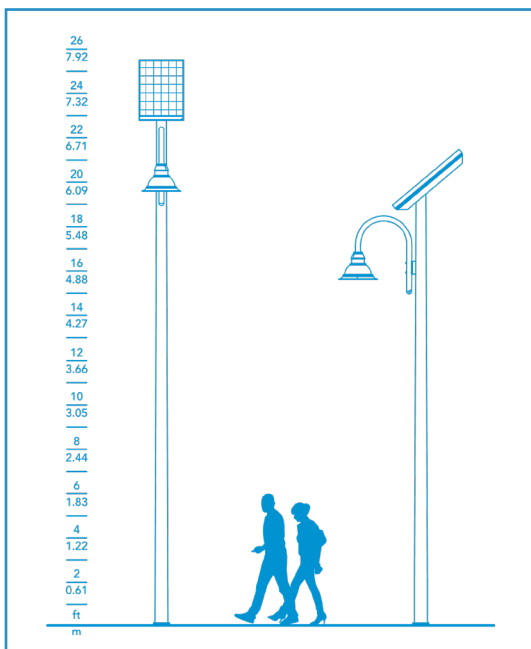
- Real-time based lighting profiles allow you to comply with the Model Lighting Ordinance, dimming after curfew, or during periods of low pedestrian conflict
- 11 standard duration based lighting profiles available
- Lighting profiles are field configurable with app
- Visit our website for all options

### Wireless Controls:

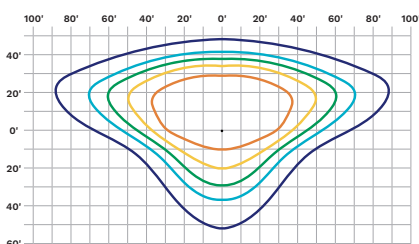
- Easy-to-use interface via iOS smartphone app
- Configure and control lighting profiles
- Adjust dusk and dawn thresholds

### Pole Options:

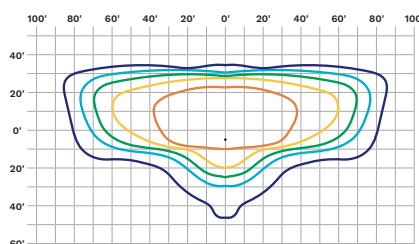
- Various pole height options available
- Pre-drilled for seamless installation



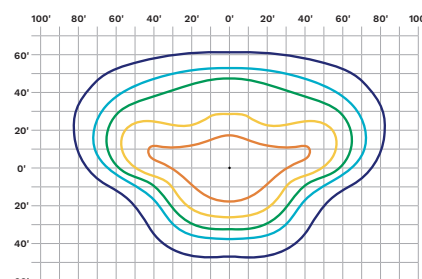
## PHOTOMETRICS (IES files available on our website)



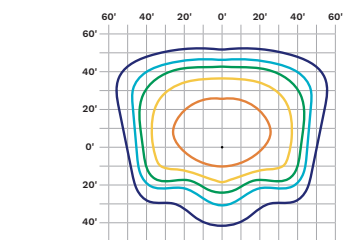
Type 2



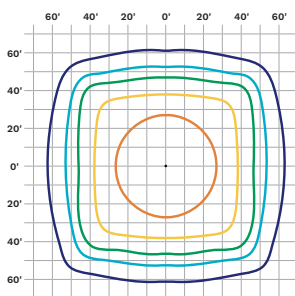
Type 3



Type 3 Flood



Type 4



Type 5

- Notes:**
- Photometrics based on 25 ft mounting height
  - Light levels in foot candles are calculated using 6400 lumens at 4000K color temperature
  - To convert to lux multiply light level 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
  - Specifications subject to change without notice

## ORDER MATRIX

Solar Engine				Luminaire Model					
Series	Mounting	Finish	Lighting Profiles (Contact us or visit our website for more options)	Luminaire	Mounting	Finish	Distribution	LED Colors	Options
BFL	TM - 2.375 Inch Tenon Mount	BK - Black	TM2200B0600 - On at dusk > dim to 50% at 10:00pm > brighten to 100% at 6:00am > off at dawn (Default)	BEL - Bell	SH - Sheppard Hook	BK - Black	T2 - Type 2	WW - 3000K	BLS - Backlight Shield
		BZ - Bronze	00 - Dusk to dawn			BZ - Bronze	T3 - Type 3	NW - 4000K	
		GY - Gray	02 - On at dusk > dim to 30% after 6 hours > off at dawn			GY - Gray	T4 - Type 4		
		WH - White	09 - On at dusk > dim to 30% after 3 hours > brighten to 100% 1 hour before dawn > off at dawn			WH - White	T5 - Type 5		
			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.						

