

Project: _____

Type: _____

Quantity: _____



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

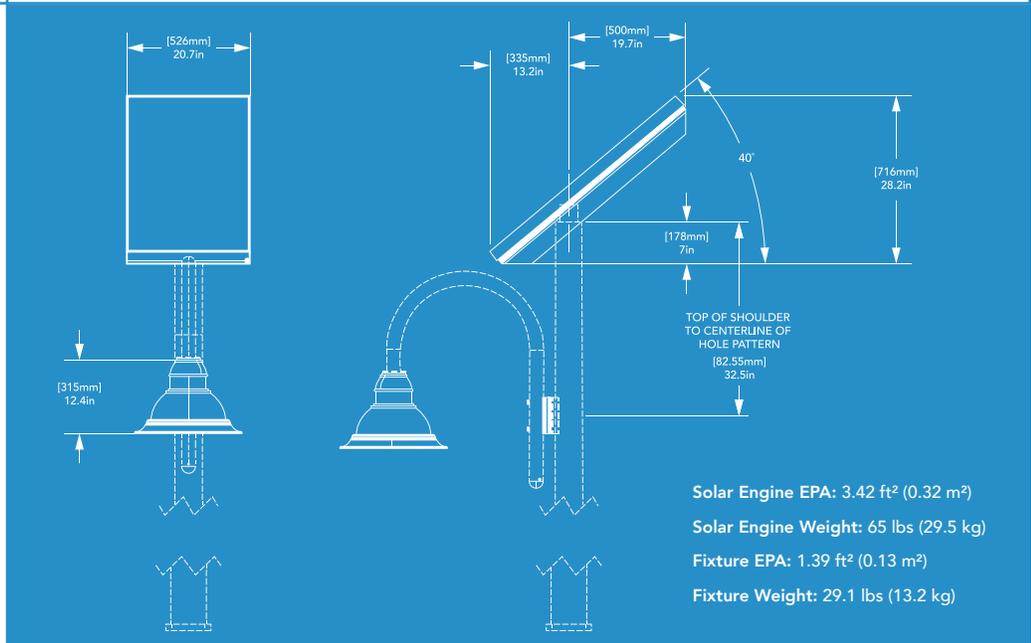
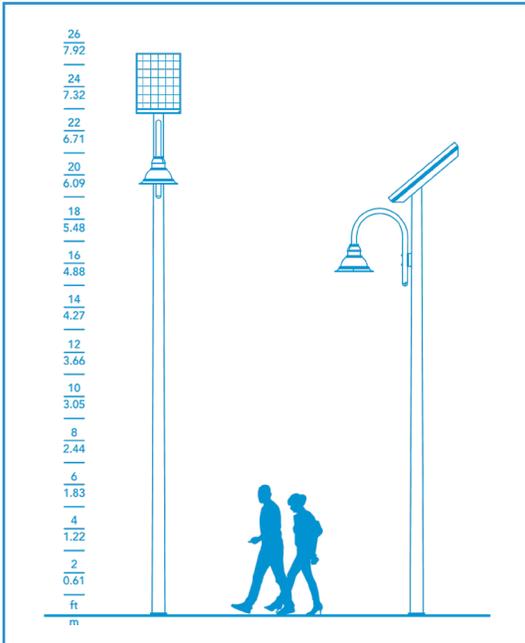
- Mechanical:**
- Solar engine housing formed from marine-grade, corrosion resistant, aluminum alloy
 - Internal top of pole mount
 - Toolless access
 - Architectural grade, durable, TGIC powder coat

- 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

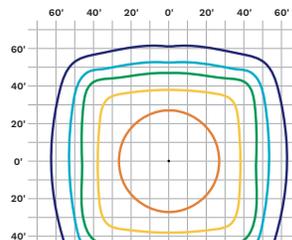
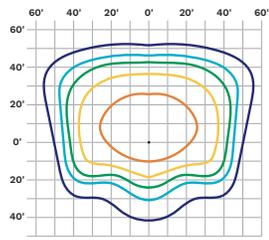
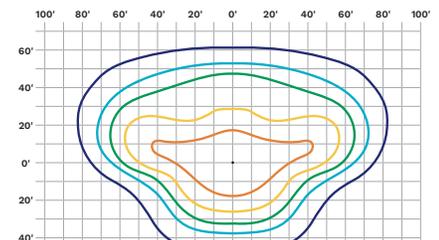
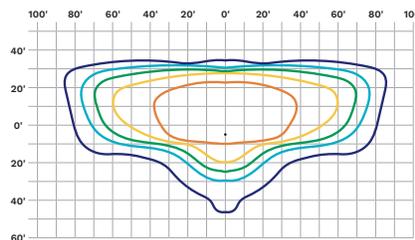
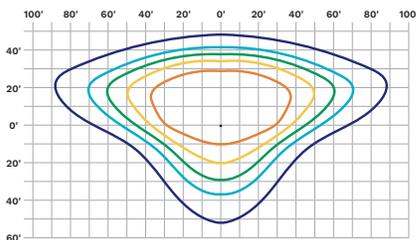
- Factory Set Lighting Profiles:**
- Real-time based lighting profiles allow you to comply with the Model Lighting Ordinance, dimming after curfew, or during periods of low pedestrian conflict
 - 11 standard duration based lighting profiles available
 - Lighting profiles are field configurable with app
 - 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)



- 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



Series	Solar Engine			Luminaire Model					
	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.							