

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

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

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

The BFL-S Series solar LED street light is a great fit for residential and collector street lighting as well as parking lot lighting applications. 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-S Series an excellent fit where high performance, full cutoff and cost-effective lighting is required.

With the latest solar, LED and lithium battery technology, the BFL-S 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 your 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.



**WIRELESS  
CONTROL APP**



## TECHNICAL SPECIFICATIONS

- Solar Module:**
- High-efficiency monocrystalline cells
  - Inconspicuously integrated into the low profile solar engine
  - 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 changes

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

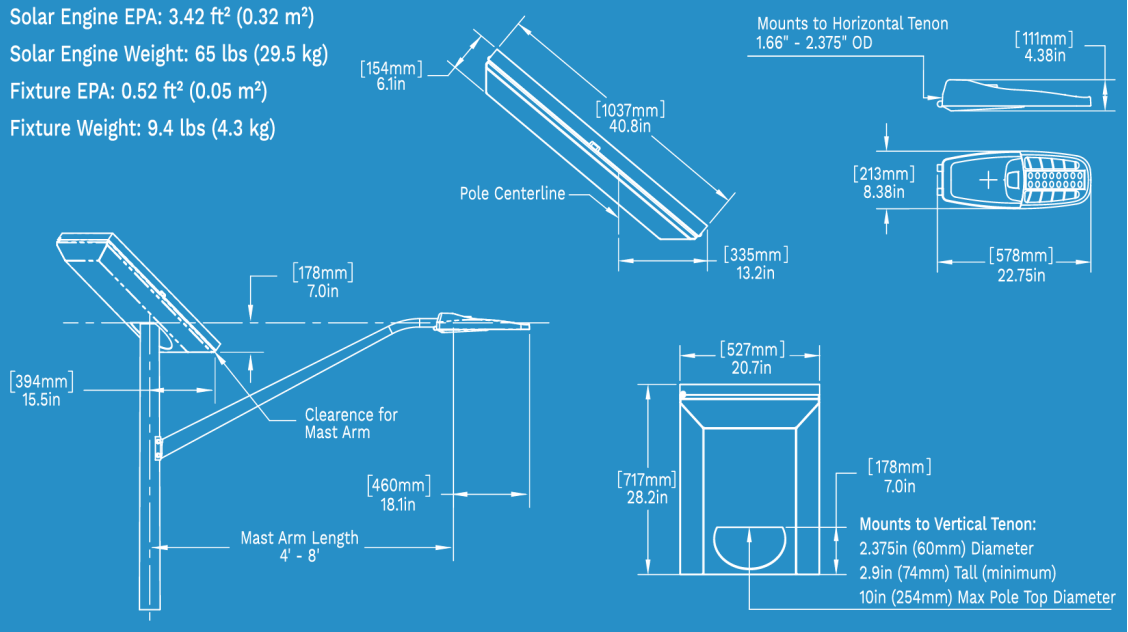
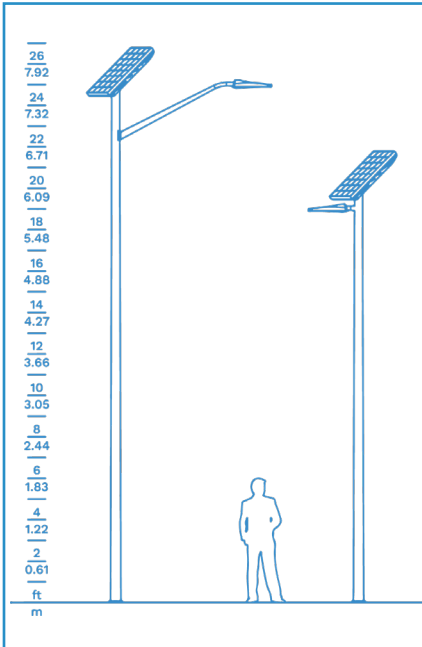
- LEDs and Optics:**
- 100,000 hour L70 lifetime LED
  - Warm (3000K) and neutral (4000K) white color temperatures available
  - High-efficiency type 2S, 2M, 3S, 3M, 4, 5 optics
  - Full cutoff optics and Dark-Sky approved at 3000K
  - Typical lumen output from 5950 to 6430 lumens
  - Integrated weatherproof, 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

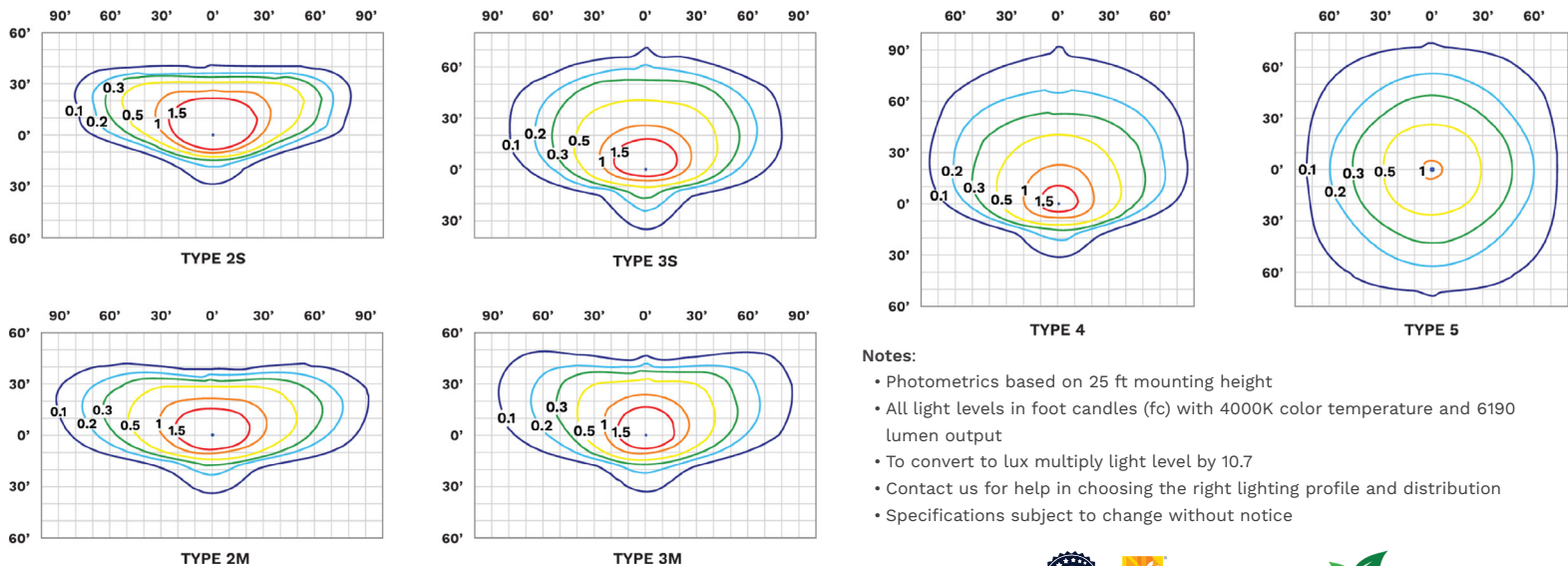
- Wireless Controls:**
- Easy-to-use interface via iOS smartphone app
  - Configure and control lighting profiles
  - Adjust dusk and dawn thresholds

- Pole Options:**
- Various pole height and mast arm length options available
  - Pre-drilled for seamless installation

Solar Engine EPA: 3.42 ft<sup>2</sup> (0.32 m<sup>2</sup>)  
 Solar Engine Weight: 65 lbs (29.5 kg)  
 Fixture EPA: 0.52 ft<sup>2</sup> (0.05 m<sup>2</sup>)  
 Fixture Weight: 9.4 lbs (4.3 kg)



### PHOTOMETRICS (IES files available on our website)



- Notes:**
- Photometrics based on 25 ft mounting height
  - All light levels in foot candles (fc) with 4000K color temperature and 6190 lumen output
  - To convert to lux multiply light level by 10.7
  - Contact us for help in choosing the right lighting profile and distribution
  - Specifications subject to change without notice

### ORDER MATRIX



Series	Solar Engine			Fixture				
	Mounting	Finish	Lighting Profiles (Contact us or visit our website for more options)	Mounting	Finish	Distribution	LED Colors	Options
BFL-S	TM - 2.375 Inch Tenon Mount	BK - Black	<b>TD2200B0600</b> - On at dusk > dim to 50% at 10:00pm > brighten to 100% at 6:00am > off at dawn (Default)	HT - Horizontal Tenon	BK - Black	<b>T2S</b> - Type 2S	<b>WW</b> - 3000K	<b>BLS</b> - Backlight Shield
		BZ - Bronze	<b>00</b> - Dusk to dawn		BZ - Bronze	<b>T2M</b> - Type 2M	<b>NW</b> - 4000K	
		GY - Gray	<b>02</b> - On at dusk > dim to 30% after 6 hours > off at dawn		GY - Gray	<b>T3S</b> - Type 3S		
		WH - White	<b>09</b> - On at dusk > dim to 30% after 3 hours > brighten to 100% 1 hour before dawn > off at dawn		WH - White	<b>T3M</b> - Type 3M		
			<b>TX0000X0000</b> - 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.			<b>T4</b> - Type 4		
			<b>T5</b> - Type 5					