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.

**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 8 – 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 ft² (0.32 m²)
Solar Engine Weight: 85 lbs (29.5 kg)
Fixture EPA: 0.52 ft² (0.05 m²)
Fixture Weight: 9.4 lbs (4.3 kg)

PHOTOMETRICS

IES files available on our website:

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<table>
<thead>
<tr>
<th>Series</th>
<th>Mounting</th>
<th>Finish</th>
<th>Lighting Profiles (Contact us or visit our website for more options)</th>
<th>Mounting</th>
<th>Finish</th>
<th>Distribution</th>
<th>LED Colors</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>BFL-S</td>
<td>TM - 2.375 inch Tenon Mount</td>
<td>BK - Black</td>
<td>TM2200B0600 - On at dusk &gt; dim to 50% at 10:00pm &gt; brighten to 100% at 6:00am &gt; off at dawn (Default)</td>
<td>HT - Horizontal Tenon</td>
<td>BK - Black</td>
<td>T2S - Type 2S</td>
<td>WW - 3000K</td>
<td>BLS - Backlight Shield</td>
</tr>
<tr>
<td></td>
<td>BZ - Bronze</td>
<td>00 - Dusk to dawn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>GY - Gray</td>
<td>02 - On at dusk &gt; dim to 30% after 6 hours &gt; off at dawn</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>WH - White</td>
<td>05 - On at dusk &gt; dim to 30% after 3 hours &gt; brighten to 100% 1 hour before dawn &gt; off at dawn</td>
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<td></td>
<td>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.</td>
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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
- Specifications subject to change without notice