

## Classic Street - BFL

The Classic Street Series BFL is the perfect fit for parking lots and residential and collector street illumination. With FLT's exclusive Adaptive Intelligence, the BFL provides dependable illumination throughout the night, regardless of weather conditions or geographic location. This highly efficient system integrates the most advanced solar and battery technologies for a highly effective, dependable, and rugged solution. With no need to trench or pull electrical wiring, the BFL is an elegant, extraordinarily cost-effective solution.

### Features & Benefits:

- No wiring, trenching, or electrical service required
- Cost-effective design ships fully assembled and installs in minutes
- No ongoing maintenance
- Provides programmed illumination all night, every night
- Time-of-night lighting profile options available
- Wireless control & communication with your light

### Key Applications:

- Streetlight, Parking Lot, Area

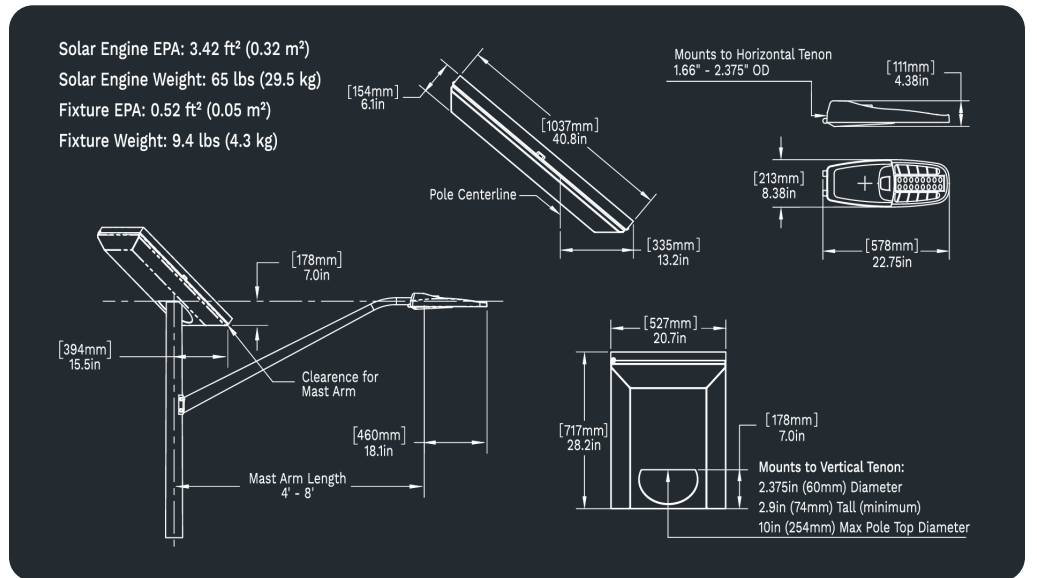


## Technical Specifications

Solar Module	<ul style="list-style-type: none"> <li>• Industry's most efficient solar panel technology</li> <li>• Active cell technology optimizes power generation even if partially blocked</li> </ul>	FLT's Exclusive Controller with Adaptive Intelligence	<ul style="list-style-type: none"> <li>• Ensures all-night every-night performance by intelligently managing lighting based on environmental conditions and lighting requirements</li> <li>• Smart dusk/dawn detection synchronizes lights across installation using astronomical calculations</li> <li>• Automatically detects its timezone and sets its time for time-of-night profiles</li> <li>• High-efficiency, Maximum Power Point Tracking (MPPT) battery charger</li> <li>• High-efficiency integrated LED driver</li> <li>• On-board multi-year data logging</li> </ul>
Battery	<ul style="list-style-type: none"> <li>• High performance Lithium Iron Phosphate (LiFePO4) technology</li> <li>• High and low temperature tolerance</li> <li>• Integrated within solar engine housing</li> </ul>	Construction & Materials	<ul style="list-style-type: none"> <li>• Marine-grade aluminum chassis &amp; die-cast luminaire</li> <li>• Stainless steel fasteners</li> <li>• Architectural grade, durable, TGIC powder coat</li> <li>• Standard and custom colors available</li> </ul>
LED Luminaire	<ul style="list-style-type: none"> <li>• High-efficiency type 2S, 2M, 3S, 3M, 4, 5 optics</li> <li>• CCT Options: 2700K, 3000K, 4000K</li> <li>• High-efficiency integrated LED driver</li> <li>• Integrated optics maximize application efficiency and light distribution</li> </ul>	Wireless Control	<ul style="list-style-type: none"> <li>• Easy-to-use interface via iOS smartphone app</li> <li>• Configure and control lighting profiles</li> <li>• Adjust dusk and dawn thresholds</li> </ul>
Optical Performance	<ul style="list-style-type: none"> <li>• &gt;60,000-hour LED L70 lifetime</li> <li>• Achieves standards with typical output of 7220 lumens</li> <li>• Dark Sky approved for 2700K and 3000K</li> <li>• B2 – U0 – G1 BUG Rating</li> </ul>	Reliability & Warranty	<ul style="list-style-type: none"> <li>• Tested for high &amp; low heat and humidity</li> <li>• 5-year warranty</li> <li>• 10+ year battery life</li> <li>• Designed and manufactured in North America</li> </ul>
		Lighting Profiles	<ul style="list-style-type: none"> <li>• 10 duration-based profiles</li> <li>• Easily configurable, time-of-night profiles</li> <li>• All profiles pre-programmed or field adjustable</li> </ul>

# Order Matrix

Series	Solar Engine			Fixture				
	Mounting	Finish	Lighting Profiles	Mounting	Finish	Distribution	LED Colors	Options
BFL	TM - 2.375 inch Tenon Mount	BK-Black	00 - On at dusk > Off at dawn	HT - Horizontal Tenon	BK - Black	T2S - Type 2S	XW - 2700K	BLS - Backlight Shield
		BZ-Bronze	01 - On at dusk > Off after 6 hours		BZ - Bronze	T2M - Type 2M	WW - 3000K	
		GY - Gray	02 - On at dusk > Dim to 30% after 6 hours > Off at dawn		GY - Gray	T3S - Type 3S	NW - 4000K	
		WH-White	03 - On at dusk > Off after 5 hours > On 1 hour before dawn > Off at dawn		WH - White	T3M - Type 3M		
		CC - Custom	04 - On at dusk > Dim to 30% after 5 hours > Brighten to 100% 1 hour before dawn > Off at dawn			T4 - Type 4		
			05 - On at dusk > Off after 3 hours			T5 - Type 5		
			06 - On at dusk > Off after 4 hours					
			07 - On at dusk > Off after 4 hours > On 1 hour before dawn > Off at dawn					
			09 (Default) - On at dusk > Dim to 30% after 3 hours > Brighten to 100% 1 hour before dawn > Off at dawn					
			10 - On 30% at dusk > Off at dawn					
			TM2200B0600 - On at dusk > dim to 50% at 10:00pm > brighten to 100% at 6:00am > off at dawn (Default)					
			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.					

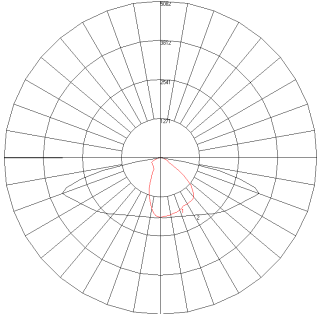
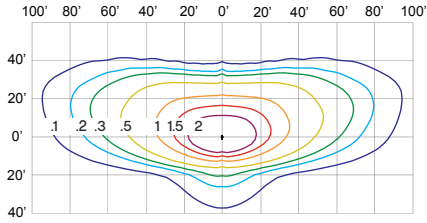


**FLT**

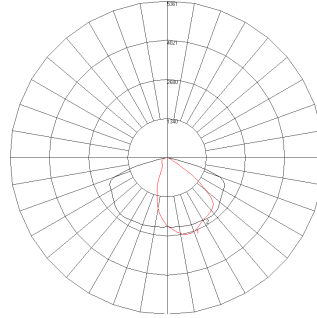
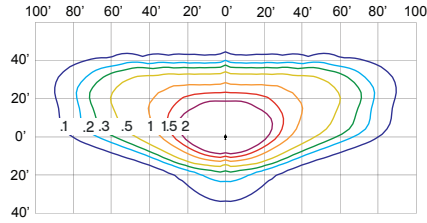


# Photometrics

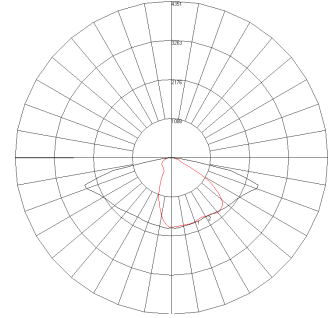
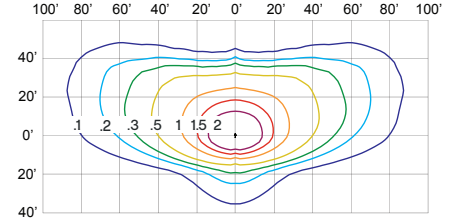
Type 2M



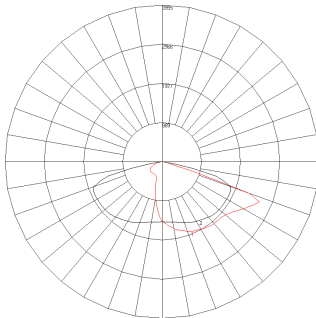
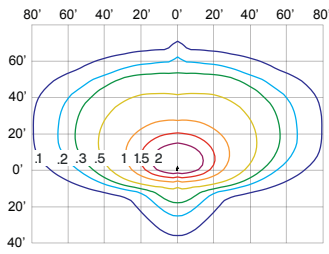
Type 2S



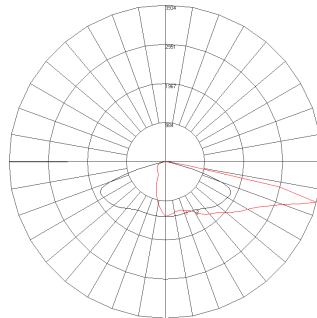
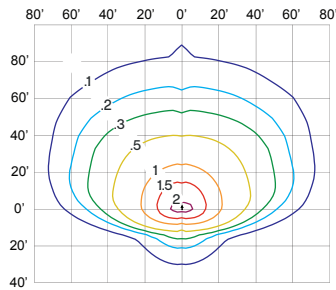
Type 3M



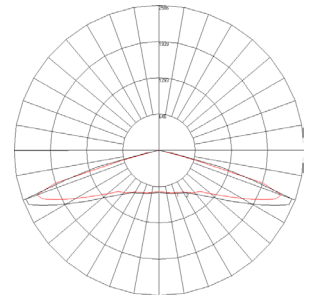
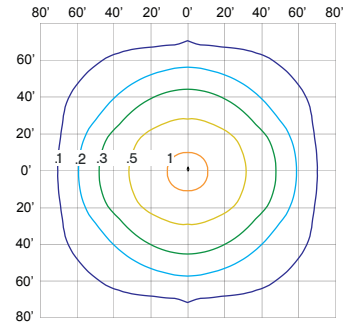
Type 3S



Type 4



Type 5



**Notes:**

1. Plots are calculated using 7220 lumens at 4000K color temperature.
2. Illuminance plots are in foot candles and based on 25 ft mounting height.
3. Polar candela plots are for the 0° and 90° Vertical Planes.
4. Specifications subject to change without notice.
5. IES files available at FLT.com