FLT

Project:

Type: Quantity:

Classic Round Series - PLB



The contemporary round shape of the PLB architectural bollard makes it an attractive choice for pathways and other locations where uniform, glare-free illumination is desired. With FLT's exclusive Adaptive Intelligence, the PLB provides dependable illumination throughout the night, regardless of weather conditions or geographic location. Available in two different heights, PLB's robust construction, advanced technologies, and the simplicity of installation make it an unmatched option for sleek illumination. With no need to trench or pull electrical wiring, PLB is an elegant, extraordinarily cost-effective solution.

Features and Benefits

- You literally bolt it to the footing and walk away. It's that easy.
- No wiring, trenching, or electrical service required
- Integrated design eliminates visually distracting external solar panels
- Cost-effective design ships fully assembled and installs in minutes
- No ongoing maintenance
- Provides programmed illumination all night, every night
- Wireless control & communication with your light

Key Applications

- Pathways, Parks and Public Spaces

Technical Specifications

Solar Module	• Industry's most efficient cell technology • Integrated into the top of bollard • Discreet panel design with hidden electrical contacts, preserving uniform, sleek and modern appearance
Battery	• High performance Lithium Iron Phosphate (LiFePO4) • High and low temperature range
LED Light Engine	• Integrated optics maximize application efficiency and light distribution • IP67 optic sealing provides water and dust ingress protection • CCT Options: 4000K, 3000K, 2700K • Wildlife friendly, narrow-band Amber LEDs (595nm) • Type 3 and Type 5 full cut-off high efficiency optics • Optional backlight shield • Optional blue light blocker
Optical Performance	• Achieves pathway and area lighting standards with typical output of 450 lumen • DarkSky Approved for 3000K, 2700K and Amber • >100,000-hour LED L70 lifetime • B0 – U1 – G0 BUG Rating (T3)
Lighting Profiles	• 10 duration-based profiles • Easily configurable, time-of-night profiles • All profiles pre-programmed or field adjustable

FLT's Exclusive Controller with Adaptive Intelligence	• Ensures all-night every-night performance by intelligently managing lighting based on environmental conditions and lighting requirements • Automatically detects its timezone and sets its time for time-of-night profiles • High-efficiency, Maximum Power Point Tracking (MPPT) battery charger • High-efficiency integrated LED driver • On-board multi-year data logging
Construction & Materials	• Durable cast aluminum body with stainless steel fasteners • Architectural grade, durable, TGIC powder coat • Standard and custom colours available • Available in two heights: 14 in (36.7 cm) and 35 in (88.1 cm) • Anchor bolts or direct burial mounting options
Wireless Control	• Easy-to-use interface via iOS smartphone app • Configure and control lighting profiles • Adjust dusk and dawn thresholds
Reliability & Warranty	• Tested for high & low heat and humidity • 5-year warranty • 10+ year battery life • IP67 protection • Designed and manufactured in North America

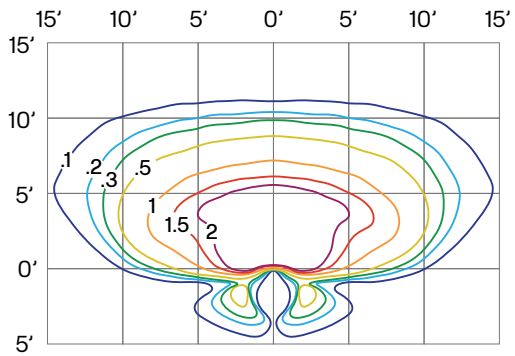
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Order Matrix

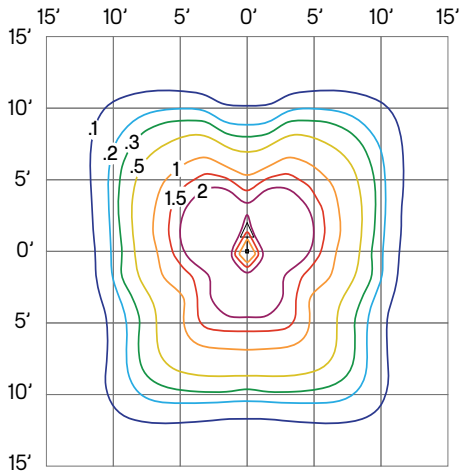
Series	Height	Finish	Distribution	LED	Lighting Profiles	Options
PLB	101 - 14"	BK - Black	ASM - Type 3	**DarkSky Approved Options:**	00 - On at dusk > Off at dawn	SEC - Security Fasteners
	102 - 35"	BZ - Bronze	SYM - Type 5	WW - 3000K	01 - On at dusk > Off after 6 hours	BLS - Backlight Shield
		SV - Silver		XW - 2700K	02 - On at dusk > Dim to 30% after 6 hours > Off at dawn	BLB - Blue Light Blocker
		WH - White		AMB - Amber	03 - On at dusk > Off after 5 hours > On 1 hour before dawn> Off at dawn	PA - Pre-Ship Anchor Bolts
		CC- Custom Color			04 (Default) - On at dusk > Dim to 30% after 5 hours > Brighten to 100% 1 hour before dawn > Off at dawn	D - Direct Burial
				Not DarkSky Approved:	05 - On at dusk > Off after 3 hours	
				NW - 4000K	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	
					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.	

Photometrics

Type 3



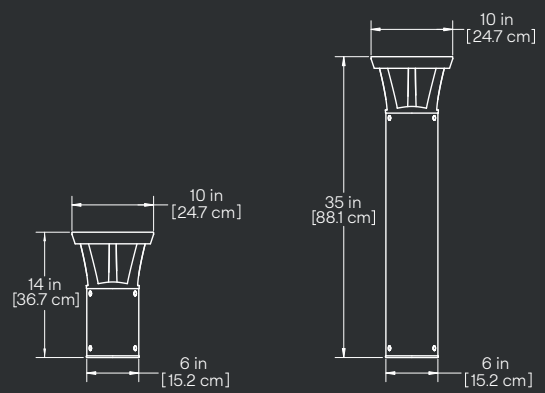
Type 5



Notes:

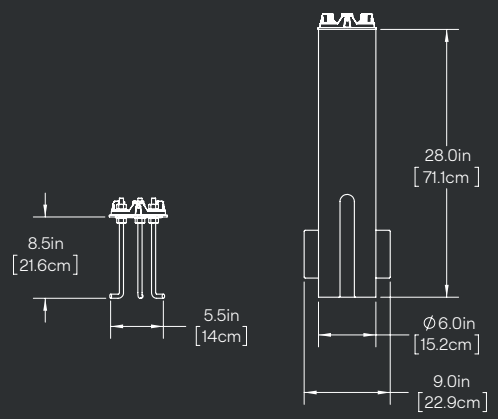
1. Photometrics based on 35" bollard height
2. All light levels in foot candles (fc) with 4000K color temperature and typical lumen output
3. Contact us for help in choosing the right lighting profile and distribution.
4. Specifications subject to change without notice
5. IES files available at flt.com

HEIGHT OPTIONS



PLB-101 PLB-102

MOUNTING OPTIONS



ANCHOR BOLTS DIRECT BURIAL

DarkSky Approved
Commercial Luminaire

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