

Project: _____

Type: _____

Quantity: _____

The WLB series solar powered LED bollard is ideal for low level architectural/commercial way-finding, delineation and landscape lighting applications. The self-contained, simple, louvered design combined with high quality construction and unequalled solar powered performance make the WLB series an excellent choice when vertical illumination is required.

WLB solar powered bollards are fully self-contained and offer significant advantages over typical wired bollards:

- Low installation, remediation and electrical design costs
- No electricity bills and no scheduled maintenance
- Immune from 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 SLC in each light is “self-learning” and allows the lights to predictively adapt to their surroundings, providing a level of lighting performance and reliability unavailable in other solar lighting products.



TECHNICAL SPECIFICATIONS

Solar Module:

- High-impact, UV resistant encapsulation
- High-efficiency mono-crystalline cells
- Fully integrated into bollard housing
- Used for day/night detection (no photocell required)

Solar Lighting Controller (SLC):

- High efficiency Maximum Power Point Tracking (MPPT) charge controller
- Microcontroller based system
- Includes high efficiency LED driver
- Integrated into bollard housing
- Designed to automatically manage lighting performance based on environmental conditions and lighting requirements

Battery:

- High-performance lithium (LiFePO₄)
- Exceptional 10+ year lifecycle
- High temperature tolerance
- Contained within bollard post
- Designed for easy battery changes when required
- Plug-and-play, sealed connector

LEDs & Optics:

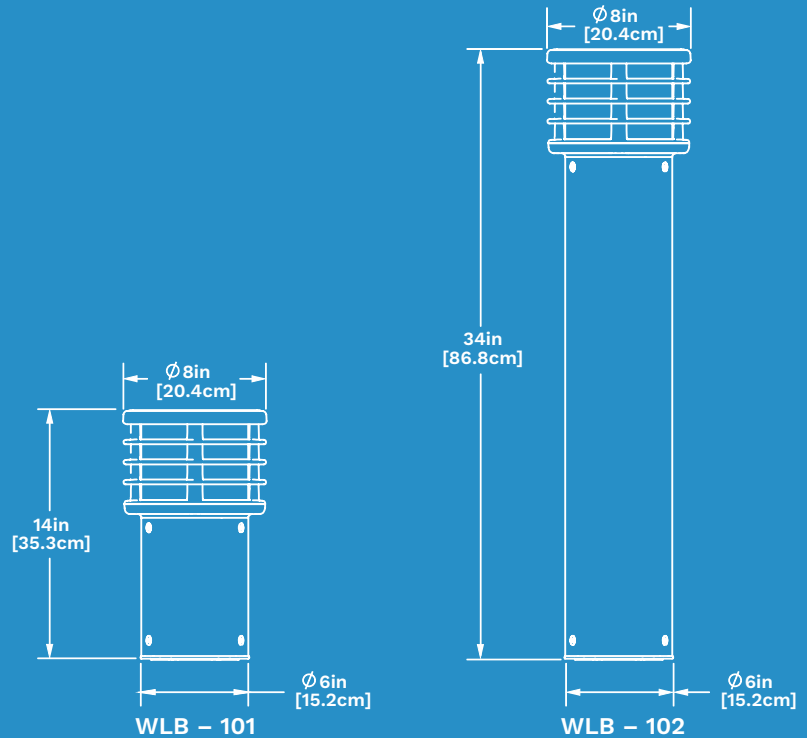
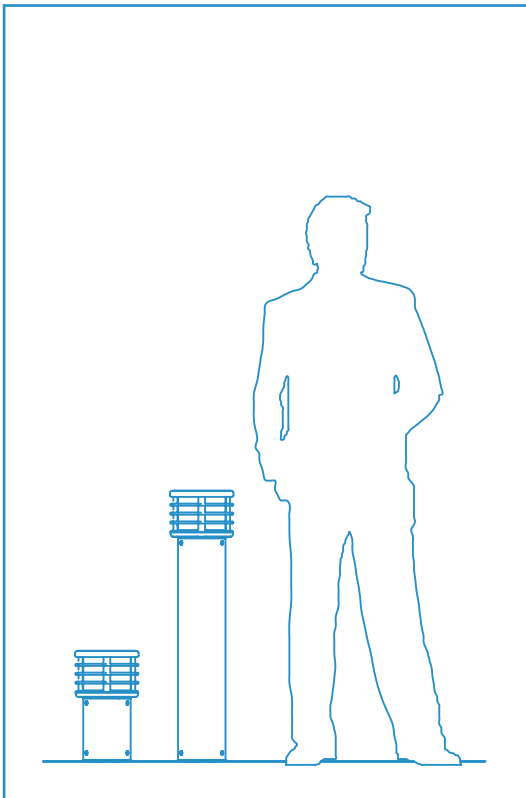
- High output Cree LEDs
- 100,000 hour L70 lifetime
- Extra Warm White (2700K), Warm White (3000K), Neutral White (4000K), and Amber (595nm) LEDs available
- Omni-directional light output with low glare, frosted lens
- Typical output of 120 lumens
- Wildlife-friendly amber option available

Mechanical Construction:

- Cast, low copper aluminum housing
- Extruded, low copper aluminum post
- Stainless fasteners with security fastener options
- High strength mounting base
- Architectural grade, super durable, TGIC powder coat

Factory Set Lighting Profiles:

- On at dusk, off at dawn
- On at dusk, turn off after 6 hours
- On at dusk, dim to 30% after 6 hours
- On at dusk, off after 5 hours, on 1 hour before dawn
- On at dusk, dim to 30% after 5 hours, on for 1 hour before dawn



Notes:

- Specifications subject to change without notice
- Typical lumen levels based off the default profile using neutral white LEDs

ORDER MATRIX



Series	Height	Finish	Distribution	LED	Lighting Profile	Options
WLB	101 - 14"	BK - Black	SYM - Symmetrical	XW - 2700K	00 - On at dusk, off at dawn	SEC - Security Fasteners
	102 - 34"	BZ - Bronze		WW - 3000K	01 - On at dusk, off after 6 hours	PA - Pre-Ship Anchor Bolts
		SV - Silver		NW - 4000K	02 - On at dusk, dim to 30% after 6 hours	
		WH - White		AMB - Amber	03 - On at dusk, off after 5 hours, on 1 hour before dawn, off at dawn	
		CC - Custom			04 - On at dusk, dim to 30% after 5 hours, on 1 hour before dawn, off at dawn (default)	