

## Vega Series - Bollard

With a refined and contemporary form, FLT's Vega bollard is an attractive choice for pathways, parks and other locations where design-forward illumination is desired to elevate the experience.

This attention to design is combined with industry leading reliability and performance. The Vega bollard contains FLT's proprietary Adaptive Intelligence providing dependable illumination throughout the night, regardless of weather or location. Available in single and double-sided configurations for two heights, Vega's robust construction and sleek profile make it a must-have solution for combining form and function.

### Features and Benefits

- Self-contained design means installation takes minutes. Simply bolt it to the footing and you're done!
- Product activates automatically out of the box
- Save on costs with no wiring, trenching or electrical service required
- Integrated design eliminates visually distracting external solar panels
- No ongoing maintenance needed
- Provides intelligent illumination all night, every night.
- Contains one of the best performing batteries in the industry.

### Key Applications

- Pathways, Parks and Public Spaces

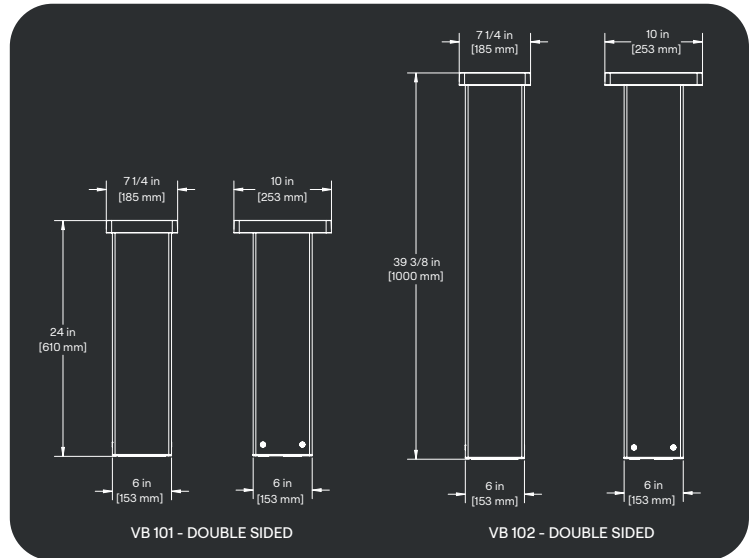
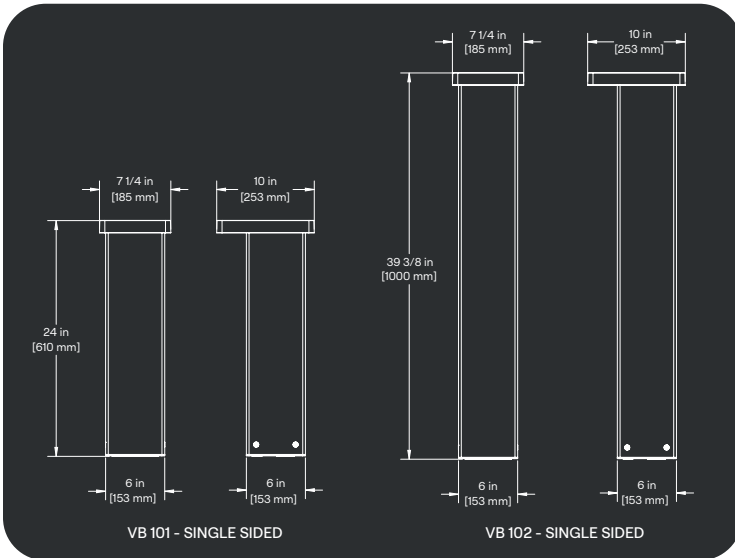


### Technical Specifications

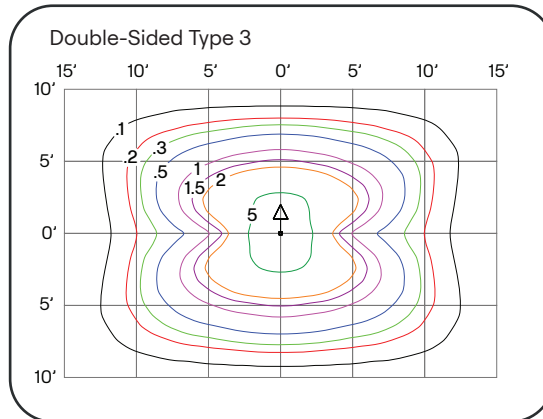
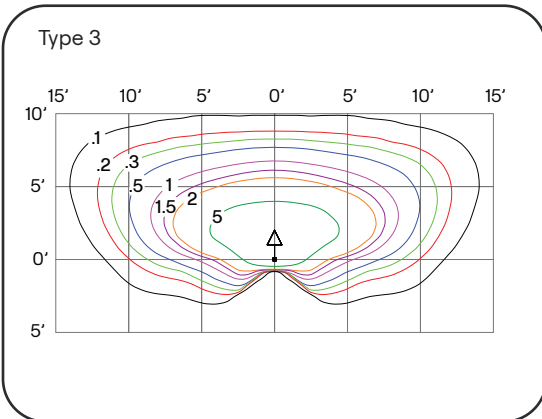
<b>Solar Module</b>	<ul style="list-style-type: none"> <li>• Active cell technology optimizes power generation even when partially blocked</li> <li>• Integrated into the top of luminaire</li> <li>• Impact-tested polymer encapsulation</li> <li>• Discreet panel design with hidden electrical contacts, preserving uniform, sleek and modern appearance.</li> </ul>	<b>FLT's Exclusive Controller with Adaptive Intelligence</b>	<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>
<b>Battery</b>	<ul style="list-style-type: none"> <li>• High performance Lithium Iron Phosphate (LiFePO4)</li> <li>• High and low temperature range</li> <li>• IP67 water and dust ingress protection.</li> <li>• Large storage capacity to withstand extreme weather</li> </ul>	<b>Construction &amp; Materials</b>	<ul style="list-style-type: none"> <li>• Two heights: 24" [610mm] and 39 3/8" [1000mm]</li> <li>• Durable cast aluminum body with stainless steel fasteners</li> <li>• IK10 tested impact rating</li> <li>• Tamper-resistant security screws</li> <li>• Architectural grade powder coat rated to super-durable AAMA 2604 specifications</li> <li>• Available in a range of designer-curated FLT colors (Custom colors available upon request )</li> </ul>
<b>LED Light Engine</b>	<ul style="list-style-type: none"> <li>• Best-in-class proprietary pathway lighting optic</li> <li>• Integrated optics maximize application efficiency and light distribution</li> <li>• IP67 optic sealing provides water and dust ingress protection.</li> <li>• CCT Options: 2700K, 3000K, 4000K, 1850K Lumileds NightScape (&lt;2% blue light)</li> <li>• Wildlife friendly, narrow-band Amber LEDs (595nm)</li> <li>• Type 3 and double-sided Type 3 full cut-off light distribution options.</li> </ul>	<b>Wireless Control</b>	<ul style="list-style-type: none"> <li>• Easy-to-use interface via iOS smartpone app</li> <li>• Configure and control lighting profiles</li> <li>• Adjust dusk and dawn thresholds</li> </ul>
<b>Optical Performance</b>	<ul style="list-style-type: none"> <li>• Achieves pathway and area lighting standards with typical output of 540 lumen</li> <li>• &gt;94,000-hour LED L90 lifetime</li> <li>• B0 – U1 – G0 BUG Rating (T3)</li> </ul>	<b>Reliability &amp; Warranty</b>	<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>• IP67 protection</li> <li>• Designed and manufactured in North America</li> </ul>
<b>Lighting Profiles</b>	<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	Height	Finish	Distribution	LED	Lighting Profiles	Options
VB	101 - 24"	BK - Black	SS - Single-Sided Type 3	<b>DarkSky Approved Options:</b>	00 - On at dusk > Off at dawn	PA - Pre-Ship Anchor Bolts
	102 - 39 3/8"	DB - Dark Bronze	DS - Double-Sided Type 3	XW - 2700K	01 - On at dusk > Off after 6 hours	NAB - No Anchor Bolts
		LB - Light Bronze		WW - 3000K	02 - On at dusk > Dim to 30% after 6 hours > Off at dawn	
		CG - Charcoal Grey		NS - 1850K Lumileds Nightscape	03 - On at dusk > Off after 5 hours > On 1 hour before dawn > Off at dawn	
		LG - Light Grey		AMB - Amber	04 (Default) - On at dusk > Dim to 30% after 5 hours > Brighten to 100% 1 hour before dawn > Off at dawn	
		FG - Forest Green			05 - On at dusk > Off after 3 hours	
		SN - Sandstone		<b>Not DarkSky Approved:</b>	06 - On at dusk > Off after 4 hours	
		CC- Custom Color		NW - 4000K	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



### Notes:

1. Photometrics based on 39 3/8" bollard height.
2. All light levels in foot candles (fc) with 3000K 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 [fft.com](http://fft.com).