



# FL300LED FLIGHT BOLLARD

LED BOLLARDS

**DIMENSIONS**  
10" Ø  
36" to 60"  
TALL

**7 YEAR  
WARRANTY**

**LUMEN  
RANGE**  
1,160 to  
690

**LIFE SPAN**  
L70  
MINIMUM  
100,000  
HOURS

**UL  
LISTED**

**CLICK  
FOR FAQ'S**

JOB NAME \_\_\_\_\_

FIXTURE TYPE \_\_\_\_\_

MEMO \_\_\_\_\_

## BUILD A PART NUMBER

ORDERING EXAMPLE: **FL300LED-42"-1L40TS-MDL03-FG/BKT**

Model	Height	LED	CCT	Type	Driver	Lens	Option Fuse	Option Photocell/Receptacle	Finish

### Model

- FL300LED

### Overall Height (In Inches)

- 36    • 42    • 48    • 54    • 60

### LED

- 1L

### CCT - Color Temperature (K)

- 27(00)   • 30(00)   • 35(00)   • 40(00)   • 50(00)

### Type

- TS (symmetric)

### Driver

- MDL02 (120v-277v, 200mA)
- MDL03 (120v-277v, 350mA)

### Lens

- FG (Flat Glass)
- SV2SA (Soft Vue Moderate Diffused Sag Acrylic)
- SV4SA (Soft Vue Maximum Diffused Sag Acrylic)

### Options (Click here to view paint options sheet)

- FHD<sup>1</sup> Double Fuse and Holder
- PEC<sup>2</sup> Electronic Button Photocontrol (120V-277V)
- GFI LPIUC 15 Amp duplex GFCI receptacles with a low profile in-use cover
- USB LPIUC 15 Amp duplex USB/receptacle combo with a low profile in-use cover (non-GFI)

<sup>1</sup> Ships loose for installation in base.  
<sup>2</sup> 42" minimum bollard height.

### Finish

#### Standard Finishes<sup>3</sup> (Click here to view paint finish sheet)

- BKT Black Textured
- WHT White Textured

- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

<sup>3</sup> Smooth finishes are available upon request.

#### Sternberg Select Finishes

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

#### Sternberg Urban Finishes

(Click here to view paint finish sheet)

- UGMT Gun Metal Textured
- UGM Gun Metal Matte
- UBT Urban Bronze Textured
- UB Urban Bronze Matte
- USLT Urban Silver Textured
- USL Urban Silver Matte
- UWHT Urban White Textured
- UWH Urban White Matte

#### Custom Finishes<sup>4</sup>

- CM Custom Match
- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

<sup>4</sup> Custom colors require upcharge.

## Specifications

### General

The decorative LED bollard is a small scale contemporary unit matching the styling of the Flight product line. The aluminum bollard features a one piece cylindrical body which flares out in one direction and tapers in the other direction offering a very unique design. The bollard is available in heights ranging from 36" to 60" tall. The bollard shall be UL listed in US and Canada.

### Construction

The bollard shaft shall be 5" diameter extruded round tubing having a wall thickness of .250" and made of ASTM 6063 extruded aluminum and tempered to a T6 condition. The shaft will be seamlessly appointed with an LED head.

### LED's

The luminaire shall use high output, high brightness LED's, consisting of a two piece assembly complete with Chip on Board (COB) LED component and COB holder frame. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4000K (2700K, 3000K, 3500K or 5000K option) color temperature with a minimum of 70 CRI. Consult factory for custom color CCT. The luminaire shall have a minimum \_\_\_\_\_ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

### Optics

The luminaire shall be provided with individual, molded silicone refractor type optics applied to the COB (Chip On Board) LED assembly. The optic shall be at least 92% efficient while providing superior thermal, UV and impact resistance for the COB assembly. The optic ensures precise light control while providing

*See next page*



**SternbergLighting**

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cutoff control that limits or contains up-light. The luminaire shall provide a symmetric distribution. Testing shall be done in accordance with IESNA LM-79.

### Electronic Driver

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the bollard, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload as well as short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.

It shall be dimmable using a 0-10v signal. The driver shall have a minimum efficiency of 88%.

### Installation

Three 3/8" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the bollard for anchorage, they shall be mounted in a 2-1/2" bolt circle. The separate anchor base shall be 6" diameter and made of heavy wall, 319 alloy cast aluminum with a 5/8" thick floor. It shall be vertically fastened to bollard housing shaft with eight (6) stainless steel allen head screws.

### Photocell

The photocell shall be mounted on the bollard shaft. The electronic button type photo-

control is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years. Not available for use with Duplex Recetacle.

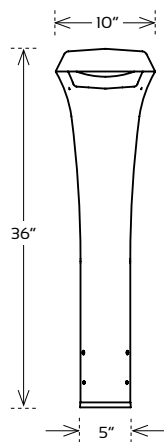
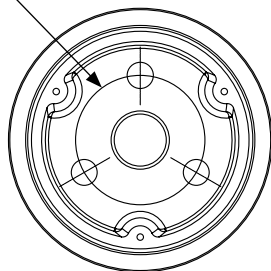
### Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

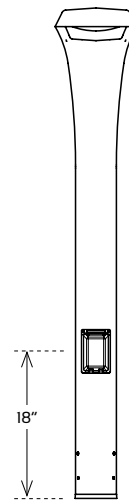
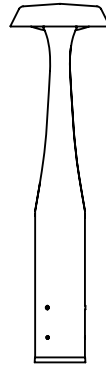
### Finish

Refer to website for details.

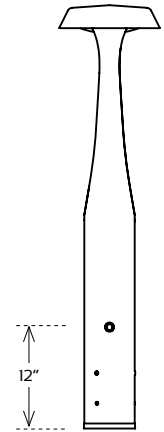
2-1/2" Bolt Circle



FL300LED-36"-SV2SA



OPTIONAL  
DUPLEX RECEPTACLE  
(42" MINIMUM HEIGHT)



OPTIONAL  
PHOTOCELL

## Performance (Based on FG lens)

LIGHT SOURCE	TS LUMENS	EFFICACY (LPW)	WATTAGE
1L40TS-MDL03	1160	77.3	15
1L30TS-MDL03	1125	75.0	15
1L27TS-MDL03	1020	68.0	15
1L40TS-MDL02	690	76.7	9
1L30TS-MDL02	670	74.4	9
1L27TS-MDL02	605	67.2	9