



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)
- SV25A (Soft Vue Moderate Diffused Sag Acrylic)
- SV45A (Soft Vue Maximum Diffused Sag Acrylic)

Options (Click here to view paint options sheet)

- FHD¹ Double Fuse and Holder
- PEC² 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)

¹Ships loose for installation in base.
²42" minimum bollard height.

Finish

Standard Finishes³ (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

³Smooth 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
- ULBT Urban Light Bronze Textured
- ULB Urban Light Bronze Matte
- USLT Urban Silver Textured
- USL Urban Silver Matte
- UWHT Urban White Textured
- UWH Urban White Matte
- UCHS Urban Champagne Satin Smooth

Custom Finishes⁴

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

⁴Custom 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

See next page



SternbergLighting

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FL300LED FLIGHT BOLLARD

LED BOLLARDS

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 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 photocontrol shall be mounted on the bollard shaft. The electronic button type photocontrol 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 Receptacle.

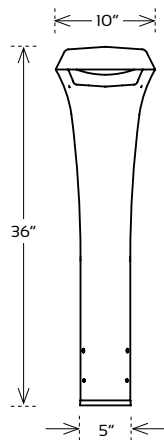
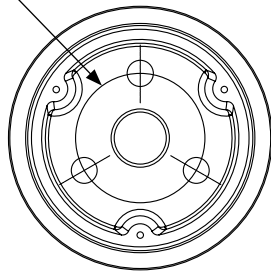
Warranty

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

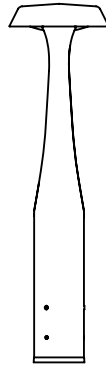
Finish

Refer to website for details.

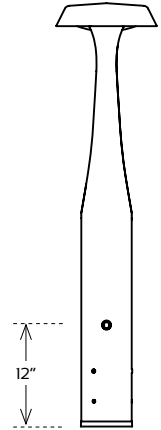
2-1/2" Bolt Circle



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