

# 2501LED-LBS LINCOLN LIGHTED BOLLARD SPECIFICATIONS

## GENERAL

The Model 2501LED-LBS decorative lighted bollard shall be aluminum, one-piece construction. The 20" diameter cast aluminum base shall be constructed with a 7" diameter straight smooth aluminum shaft. The Model shall be Sternberg Lighting #2501LED-LBS lighted bollard or #2501LED-LBS-QR quick release lighted bollard. Optional 7" fluted shaft is available. Specify 2501LED-LB. The bollard shall be U.L. or E.T.L. listed in U.S. and Canada.\*

## CONSTRUCTION

The base shall be designed with a cylindrically shaped lower section which gradually slopes to its straight smooth upper section. The base shall be made of heavy wall, alloy cast aluminum. It shall have a 1" thick floor cast as an integral part of the base. The extruded shaft shall be made of aluminum. The bollard cap will be cast aluminum. The overall height of the bollard shall be 55". (For other heights, consult factory).

## ELECTRICAL/LED

The optical assembly shall be constructed of twelve (12) fluted openings with a white acrylic lens. The LED light source shall have an IP65 rated assembly. The assembly shall consist of highly efficient, four (4) [optional three (3)] sided extruded aluminum heat sink, four (4) [optional three (3)] LED boards with 6 each high brightness LEDs and a sealed acrylic tube. The bollard shall be supplied with electrical surge protection in accord with IEEE/ANSI C62.41.2 and shall be U.L. or E.T.L. Listed in U.S. and Canada. The LED lighted bollard shall have an L70 expected life of 70,000 hours with the LED life ratings determined in accordance with IESNA LM-80. The electronic LED driver shall be a U.L. Recognized, constant current design with THD<20%.

## QUICK RELEASE MOUNTING (Optional)

The Model 2501LED-LBS-QR shall have a quick release option which allows quick removal of the bollard for convenience or emergency access. The burial portion shall be made of aluminum extrusion and shall have a keyway and flexible connection system for securing to bollard. The bollard shall have a mated extension and anti-rotation key and pad-lock slot. The quick release system shall allow for a flush pavement installation after temporary bollard removal.

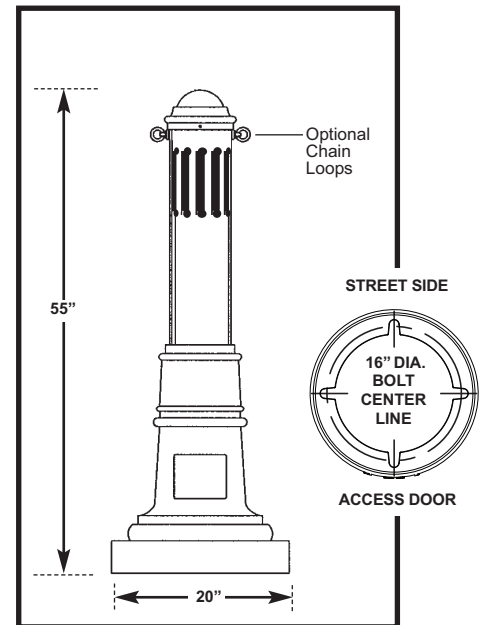
## FINISH

Prior to coating, each assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coating. The finish coating shall be electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish. Our optional antique Verde Green finish and Swedish Iron finish are hand brushed using a 3-step process. The total assembly shall be wrapped in shockproof wrapping or fully enclosed in corrugated cartons.

## INSTALLATION

Four, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for non-quick release bollard anchorage. Quick release anchorage requires no anchor bolts. A door shall be provided for wiring and anchor bolt access. It shall be secured with tamper-proof, stainless steel hardware. Bollard will be provided with a grounding stud mounted on the base floor opposite the access door.

**WARRANTY** Seven (7) year limited warranty. See product and finish warranty guide for details.



See installation template for exact door position.

## BUILDING A PART NUMBER

## PART NUMBER SELECTIONS

<b>BOLLARD MODEL</b> 2501LED-LBS	<b>OPTIONAL CHAIN LOOP</b> CL2	<b>LIGHT SOURCE</b> 3S45TLCA	<b>DRIVER</b> ML	<b>OPTIONS</b> FHD	<b>FINISH</b> BK	<b>MODELS</b> • 2501LED-LBS • 2501LED-LBS-QR • 2501LED-LB • 2501LED-LB-QR	<b>LIGHT SOURCES</b> • 4S60TLCA 30W 6000K Type V • 4S45TLCA 30W 4500K Type V • 4S35TLCA 30W 3500K Type V • 3S60TLCA 23W 6000K Type V • 3S45TLCA 23W 4500K Type V • 3S35TLCA 23W 3500K Type V	<b>STANDARD FINISHES*</b> • BKT Black Textured • WHT White Textured • PGT Park Green Textured • ABZT Architectural Medium Bronze Textured • DBT Dark Bronze Textured *Smooth Finishes are available upon request	• RT Rust • WBR Weathered Brown • CD Cedar • WBK Weathered Black • TT Two Tone
<p><b>* NOTES</b> * U.L. listed components only. Bollard is not U.L. or E.T.L. listed with a photocell.</p>						<b>DRIVERS</b> • ML-120-277V • MDL - Dimming 120-277V	<b>CUSTOM FINISHES</b> • OI Old Iron	• VG Verde Green • SI Swedish Iron • OWGT Old World Gray Textured	
<p><b>OPTIONAL CHAIN LOOP</b> • CL1 Chain Loop • CL2 Chain Loops 180°</p>						<b>TO ORDER CHAIN:</b> Specify total length of chain required for project.	<b>OPTIONS</b> • PEC1 <sup>1</sup> Photocell-Bimetal 120 Volt • PEC2 <sup>1</sup> Photocell-Bimetal 208-277 Volt • PEC1-E <sup>1</sup> Photocell-Electronic 120 Volt • PEC2-E <sup>1</sup> Photocell-Electronic 208-277 Volt	• FHD Dual Fuses and Holder • GFI Ground Fault Interrupter Duplex Outlet <sup>1</sup> Volt	<sup>1</sup> GFI not available with QR option