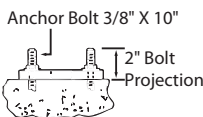
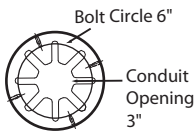
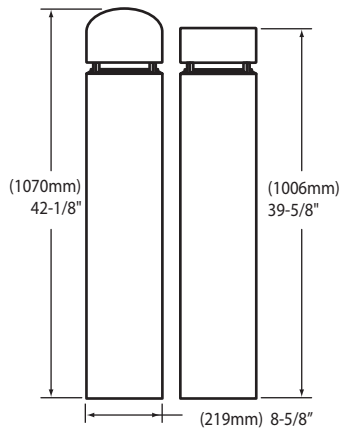




DIMENSIONS



SPECIFICATIONS

HOUSING - One-piece, heavy-walled, extruded aluminum, .322" thick for vandal resistance.

CROWN ASSEMBLY - Flat or domed, heavy cast aluminum. For added security against vandals, crown attaches to lower housing with four captive, concealed 1/4" X 20 Allen-head screws.

LAMPHOLDER - Matched to lamp. Glazed porcelain, medium base, 4KV pulse rated with spring center contact.

LAMP TYPE - Standard or Ceramic Metal Halide.

BALLASTS - High Power Factor, multi-tap ballast designed for -20° F operation is standard. Universal electronic ballast for 120-277V, 50 or 60 Hz operation is available.

LENS - One-piece, heavy-walled borosilicate lens is recessed .764" and protected by three cast ribs for vandal resistance. Exposed portion of the lens is only .671" tall.

OPTICS - Patented OptX™ optical assembly uses Constructive Occlusion® technology. A precisely positioned clear lamp in a Cavity and Fan™ assembly projects radiant energy into selective zones. Proprietary coating on the cavity is 96% reflective.

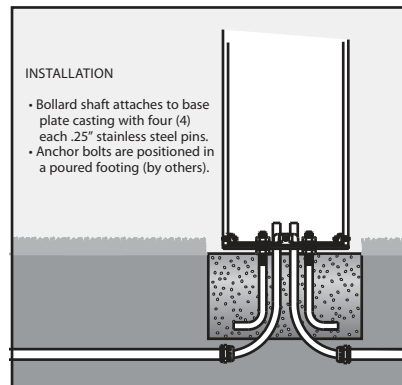
ANCHOR BOLTS - Anchor bolts are 3/8" X 10" heavy-duty galvanized steel. Four (4) are furnished.

FINISH - Each fixture is finished with WLS's DuraGrip® polyester powder coat finishing process. The DuraGrip® finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, buff, white, graphite, satin verde green, and metallic silver.

EXTRA VALUE FEATURES:

- Unique OptX™ optical assembly.
- Tailored, uniform distribution over greater distance.
- Increased spacing between luminaires.
- Vandal Resistant Aperture.
- Heavy duty construction.
- Premium Materials.

BASE DETAIL ALUMINUM SHAFT



Approved By: _____ Project Name: _____

Location: _____ Date: _____

PERFORMANCE BOLLARD SERIES

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE. Refer to example below.

SERIES	DISTRIBUTION	LAMP WATTAGE ¹	LIGHT SOURCE	HEIGHT	LINE VOLTAGE	LUMINAIRE FINISH	OPTIONS	ACCESSORIES
PER - Round PES - Square	OptX®	50W 70W 100W	CMH - Ceramic Metal Halide E-17 Base, Ceramic Arc Tube	H42 ³	480V ² MT - Multi Tap ⁵ TT - Tri Tap ⁶	BRZ - Bronze BLK - Black PLT - Platinum Plus BUF - Buff WHT - White SVG - Satin Verde Green GPT - Graphite MSV - Metallic Silver CC - Custom Color	PC - Photocell GFR - Ground-fault Receptacle LPC - BLK lens protector casting painted black LL - Less Lamp LAB - Less Anchor Bolts NO - No Options	GS - Glare Shield ⁴ NA - No Accessories
		39W 70W	CMH/T6 - Ceramic Metal Halide T-6 with G12 Bi-pin base		UE - Universal Electronic (120-277V, 50/60 Hz) 347V (60Hz)			

PER **OptX** **50** **MH** **H42** **MT** **BRZ** **NO** **NA**

(EXAMPLE ORDER)

ORDER:

WLS-PE **OptX**

FOOTNOTES:

- All Performance Bollards are shipped with lamps installed and 38" leads to facilitate wiring.
- 480 volt magnetic Ballast is available for 70 and 100 Watt Metal halide only.
- Nominal standard height is 42". Non-Standard heights are available in 6" increments. Minimum height is 18".
- Glare Shield provides 180° shielding. Maximum fixture rating with GS is 70 watts. GS is not available with 100 watt fixtures.
- MT - Multi Tap is shipped standard unless otherwise specified. (Multi Tap consists of 120V, 208V, 240V, and 277V. Multi Tap is pre-wired for highest voltage. Alternate voltages will require field re-wiring.
- TT - Tri-Tap consists of 120V, 277V, and 347V. Tri-Tap is pre-wired for highest voltage. Alternate voltages will require field re-wiring.



Bollards are subjected to extreme environments – from severe weather to pedestrian wear-and-tear, and senseless vandalism. The Performance Bollard Series was designed with this harsh reality in mind, and that's why its materials are of the highest quality, ruggedly durable, and feature superior vandal resistant construction.

- OPTICS** – OptX optics are the heart of this luminaire. A clear lamp is precisely positioned in a highly engineered, and patented, Cavity and Fan assembly that functions like an integrating sphere. Known as Constructive Occlusion technology, this sphere uses a proprietary internal coating that realizes 96% reflectance. The lamp's radiant energy is distributed by this finely tuned, reflective surface to desired zones.
- VANDAL RESISTANT APERTURE** – Performance Bollard features the narrowest aperture of any bollard on the market, a mere 1.167" wide, which gives the luminaire a sleek and elegant appearance while minimizing the target area available to vandals.
- VANDAL RESISTANT LENS** – The one-piece, heavy-walled borosilicate lens is recessed a full .764" and protected by three cast ribs. The exposed portion of the lens is only .671" tall. These design features and premium materials provide superior vandal resistance.
- LAMPS** – Standard and Ceramic Metal Halide
- HEAVY-WALL HOUSING** – One-piece, heavy-wall extruded aluminum, .322" thick for vandal resistance.
- CROWN** – Flat or domed heavy-wall cast aluminum. One-piece castings provide for greater impact strength.
- CONCEALED ACCESS** – Added security against vandals, crown attaches to lower housing with four captive, concealed 1/4" x 20 Allen-head screws.
- SEALING AND GASKETS** – Silicone gaskets and seals ensure Performance Bollard is as dependable as it is rugged.
- BALLASTS** – Standard ballast is high power factor, designed for -20° operation. Universal electronic ballast available.
- FINISHES** – Metallic Silver, Satin Verde Green, Black, Bronze, White, Buff, Graphite or Platinum Plus polyester powder coating.
- MOUNTING BASE** – Extra thick, 1/2" cast aluminum /magnesium (chromate converted and powder coat finished in black standard). Base is corrosion resistant.
- ANCHOR BOLTS** – 3/8" x 10" heavy-duty galvanized steel; four (4) furnished.

Approved By: _____ Project Name: _____

Location: _____ Date: _____

WLS LIGHTING SYSTEMS

1919 Windsor Place ■ Fort Worth, TX 76110 ■ 800.633.8711 ■ Fax: 817.735.4824 ■ www.wlsighting.com

Consider the Impact!