



Orion Concrete Square Bollard

BOLLARD

*Meets all BAA and BABA
Made in USA Requirements*



Physical Data

Width - 12"

Height - 42"

Weight - 148 lbs

IP65 Suitable For Wet Locations
Impact Resistant (Vandal Resistant)

Orion Concrete Square Bollard Design with LED components. Multiple sizes available to your projects specific needs. Designed for effective lighting of landscapes, pathways, and open spaces. Continuing with Evergreens promise to make all products out of the highest quality American Made Materials for All Industries.

Fabricated Concrete & Aluminum

Fabricated Aluminum 5052-H32 from USA Mills. Diecut, Capped and welded for maximum strength and durability. .125" thick aluminum with Concrete construction with outside mounting baseplate laser cut for 4 galvanized steel anchor bolts 1/2" x 16" long.

Pre Paint

8 step degreasing with phosphoric acid deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Sealed for Wet Locations

Provided with special interior welded watertight seams along with specific "fit for purpose" long life high temperature memory retentive silicon gaskets.

Thermal Management

5052-H32 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Evergreen used in conjunction with the driver controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Driver

Options Available are Standard 120/277 volt, 0-10V Dimming for 120/277 volt, or Phase Dimming for 120 volt only

Finishing

All Evergreen Products go through an extensive inspection for pre-finishing prep to make sure all metal is clean and free of any defects.

Paint

UV Stabilized 4.9Mil thick powdercoat paint and baked at 400 degree F. This process ensures that Evergreen products can withstand harsh environments. Rated for use in High Impact environments.

Hardware

Provided Hardware is Galvanized Steel 1/2 X 16" Long Anchor Bolts complete with Washers and Nuts.

Regressed Screw Holes

Tapped holes are threaded with a special aluminum Tap Tool designed to prevent the regressed Flat Head screws from stripping out or being tightened flush with the bollard body.

High Impact Acrylic Lens

Manufactured with Ultra High Impact, Naturally UV Stabilized Virgin Acrylic.

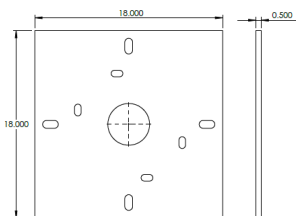
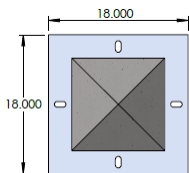
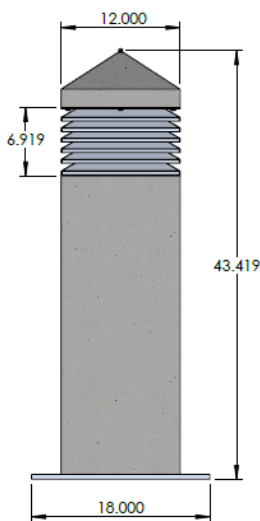
Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI - 90

Lumen - Maintenance Life

L80 / B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Outside Anchor Base Mounting Detail



Zoom Template to 600%

Standard Options

Lamp	Finish Powdercoat Color	Acrylic Lens	LED Color	Options (Adder)
24w LED	AB - Architectural Bronze TBR - Textured Bronze ORB - Oil Rubbed Bronze MBK - Matte Black TBK - Textured Black GBK - Semi Gloss Black TR - Textured Rust MW - Matte White GW - Gloss White	TW - Textured White MG - Metallic Grey MN - Metallic Nickel SB - Satin Brass CH - Chrome TVP - Textured Verde Patina GV - Gold Vein CV - Copper Vein SV - Silver Vein	WF - White Frosted CA - Clear CFA - Clear Frosted 27K - 2700K 30K - 3000K 35K - 3500K 41K - 4100K 50K - 5000K	EM - Emergency Battery Backup MS - Motion Sensor GFCI - GFI Receptacle & Cover DIM - 0-10V Dimming PDIM - Phase 2 Wire Dimming (120 volt only) 590 - 590nm LED chips (Turtle) CSM - Custom Modifications CBPLT - Custom Baseplate

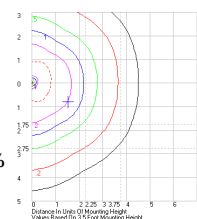
Ordering Example: OR-40-42-12-L24-7-L-2-SL-1-1-NL-41K-OPTION

PERFORMANCE

Model	Lamp	Finish	Lens	LED Color	Options
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Delivered Lumens - 889
Type VS Distribution
Bug Rating B1-U3-G1

Zoom ISO to 600%



PROJECT:

DATE:

QUANTITY:

TYPE:

NOTE:

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Intertek

