

The Orion Series *of Concrete Bollards*

EVERGREEN LIGHTING CORPORATION



ETL & CSA LISTED FOR WET LOCATIONS. FACTORY TESTED BEFORE SHIPMENT.

SHAPES – The Orion 10 is round with a flat top; the Orion 20 is round with a dome top; the Orion 30 is square with a flat top; the Orion 40 is square with a pyramidal top; and the Orion 50 is round with a radius top.

HOUSING – Steel-reinforced pre-cast hollow-core concrete. We offer four textures of sandblast-finished concrete: smooth, light, medium, and heavy. As an option, we offer tiles installed onto the housing shaft (the "handicapped parking" symbol, for example, or your logo, or decorative and other tiles to your specifications); see the Options table.

LOUVERS – Rugged cast aluminum grilles, 360° around the bollard. The styles offered are horizontal, vertical, and 45° cut-off. While any Orion may be specified with vertical louvers or horizontal louvers, the 45° cut-off louvers may be specified on 8" sizes only; please see the Louvers table.

LENS – Clear or opal white polycarbonate.

OPTICS – A 360° distribution pattern is standard. An optional internal "house side" 180° cut-off shield is available; please see the Options table.

ELECTRICAL COMPONENTS – Available in LED, MH, and fluorescent. All ballasts are CWA/HPF

regulating auto-transformers. Starting temperature for LED is -40°F, and MH starts at -20°F. Maximum wattage is 36W LED, 175W MH and 42W PL fluorescent. Fluorescent is available in 120V or 277V only.

SOCKET – HID sockets are glazed porcelain, medium base, rated to 600V. Fluorescent sockets are the standard PL-type.

MOUNTING – Anchor base mounted. Four (4) 3/8" x 12" galvanized anchor bolts are supplied, complete with two each nuts and washers. The anchor base plate is made of heavy-duty steel.

CONCRETE FINISH – The standard finish is natural concrete. The other available colors (buff, brown, black, or custom to your specifications) are mixed into the concrete rather than merely applied to the surface.

LOUVER FINISH – Finish is thermoset oven-baked powder coat, in any standard Evergreen Ltg Color. Custom colors are available to your specifications.

EVERGREEN LIGHTING MANUFACTURERS OF QUALITY LIGHTING EQUIPMENT

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	1	2	3	4	5	6	7	8	9	10
FIXTURE	SIZE	SOURCE	VOLTS	LAMP	LOUVERS	LOUVER COLOR	LENS	TEXTURE	CONCRETE COLOR	OPTIONS
OR	20/42/12	L24	7	L	3	BK	2	4	NL	MT, LS

Create a catalog number from the tables below. Example number: OR – 20/42/12 – L24 – 7 – L – 3 – BK – 2 – 4 – NL – MT,
1 C

1 SIZE				2 LIGHT SOURCE	
	Shape & Top	A	B	LED	MH
Size = 10	round, flat top	42"	8", 10", 12", 14", 16", or 18" dia.	12W L12 24W L24 36W L36	
Size = 20	round, dome top	42"	8", 10", 12", 14", 16", or 18" dia.		
Size = 30	square, flat top	42"	8", 10", 12", 14", 16", or 18" sq.		H2
Size = 40	square, pyramid top	42"	8", 10", 12", 14", 16", or 18" sq.		J2
Size = 50	round, radius top	42"	8" diameter only		K2

ALL SIZES
MAX WATTS:

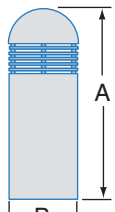
36W LED
175W MH
42W PL

FLUORESCENT
X = single PL Y = dual PL
(specify wattage up to single 42W or dual 13W)

TO SPECIFY SIZE, PLEASE INCLUDE:

- the size number
- dimension "A"
- (42" is standard, or consult factory for custom)
- dimension "B".

Example:
10/42/12 = Size 10, 42" high, 12" diameter



3 VOLTAGE	
120V = 2 208V = 0 240V = 4 277V = 7	Also available in Multi-Tap: see Options table
480V = 8	

NOTE: FLUORESCENT SOURCES AVAILABLE IN 120V OR 277V ONLY.

4 LAMP	5 LOUVERS	6 LOUVER COLOR
L = with lamp N = no lamp	1 = 45° cut-off louvers (on 8" round and square sizes only) 2 = horizontal louvers 3 = vertical louvers	BK = Black GR = Green WH = White DB = Dark Bronze VP = Verde Patina SL = Silver GY = Gray BU = Blue CC = Custom Color (consult factory)

7 LENS	8 TEXTURE	9 CONCRETE COLOR	10 OPTIONS
1 = clear 2 = opal	1 = smooth 2 = light 3 = medium 4 = heavy	NL = Natural BF = Buff BN = Brown BK = Black CC = Custom Color (consult factory)	MT = multi-tap transformer LS = "house side" cut-off light shield TL = tile (please consult factory) FV = international ballast; specify cycles

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