



Gardco OmniForm LED Bollard OBR (8" O.D. Bollard) combines complete configuration flexibility, superior spacing performance and solid vandal resistance in a single site-wide platform. Rugged extruded and cast construction with silicone seals and gasketing assures years of durability. Available in dome and flat tops, with clear lens, internal louver lens, external louver, disc and non-illuminated configurations with selectable wattage, CCT and distribution. OmniForm delivers maximized light output, energy savings and design cohesion across every application.



Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide

Example: OBR-D-CL-SCT3-UHX-18-PCB-EBP-BK

Prefix	Top	Optical System	Wattage, CCT, Distribution	Voltage
OBR				
OBR OmniForm Bollard (8" O.D. bollard)	X None	DC Disc	SCT3 15/20/25W Selectable wattage 730/740/750 Selectable CCT 120°/180°/360° Selectable distribution	UHX Extended Universal Voltage 120-347V
	D Dome F Flat Only one option (Dome or Flat) may be selected for CL / IL / EL / NIC	CL Clear Lens	SCT3 15/20/25W Selectable wattage 730/740/750 Selectable CCT 120°/180°/360° Selectable distribution	
		IL Internal Louver	SCT2 15/20/25W Selectable wattage 730/740/750 Selectable CCT 360° distribution (Selective distribution not available)	
		EL External Louver	SCT3 20/25/30W Selectable wattage 730/740/750 Selectable CCT 180°/360° Selectable distribution	
	NIC Non-Illuminated Cap		- None	- None

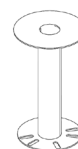
Shaft Dim, Shape & Height	Lighting Controls (Only one may be selected)	Options	Finish
18 18" Standard Height	- None	- None	Gardco Finish BK Black WH White BZ Bronze DGY Dark Grey MGY Medium Grey Custom Color RAL Custom Color CC²
24 24" Standard Height	PCB Integrated Photocell button	Emergency	
36 36" Standard Height	PIR¹ Integrated PIR & PC (Not available with 18" shaft)	EBP Emergency Battery Pack rated -20°C to +40°C Surge Protection SP2 Surge Protector 20kV / 10kA for 120-347V	
	- None	- None	

Hadco Finish	
A	Hadco Black
H	Hadco Bronze
I	Hadco Grey

Accessories³

Code	Description
VDRS8	Vandal resistant reinforced sleeve 8"
OBR-ABT	For shipment with the bollard kit (order 1 per bollard), 4x Anchor Bolts & Template
RC100¹	PIR Remote Controller (One unit required per project when PIR control is selected)

- One RC100 unit required per project when PIR control is selected
- Consult factory
- To be ordered separately.

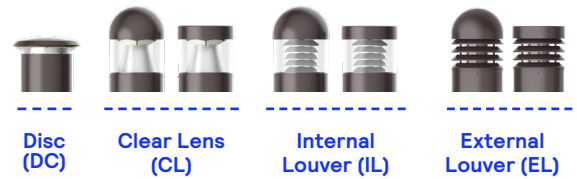


VDRS8



RC100

OBR OmniForm Bollard



OBR LED Wattage and Lumen Values

Bold Highlight: "Factory Default Setting"

OBR-DC-SCT3											
Optical Distribution			120D			180D			360D		
Nominal Wattage	Color Temp.	Avg. System Wattage (W)	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
15W	3000K	16	2270	138	B0-U3-G2	2307	142	B1-U3-G2	2325	143	B1-U2-G1
20W		20	2808	137	B0-U3-G2	2880	142	B1-U3-G2	2900	143	B1-U3-G1
25W		25	3420	135	B1-U3-G2	3473	139	B1-U3-G2	3498	141	B1-U3-G2
15W	4000K	16	2273	139	B0-U3-G2	2310	142	B1-U3-G2	2327	145	B1-U3-G1
20W		20	2814	137	B1-U3-G2	2887	142	B1-U3-G2	2907	145	B1-U3-G2
25W		25	3432	136	B1-U3-G2	3485	140	B1-U3-G2	3509	144	B1-U3-G2
15W	5000K	16	2269	138	B0-U3-G2	2305	142	B1-U3-G2	2323	143	B1-U3-G1
20W		20	2793	136	B0-U3-G2	2865	141	B1-U3-G2	2885	142	B1-U3-G2
25W		25	3471	137	B1-U3-G2	3525	142	B1-U3-G2	3550	142	B1-U3-G2

OBR-x-CL-SCT3											
Optical Distribution			120D			180D			360D		
Nominal Wattage	Color Temp.	Avg. System Wattage (W)	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
15W	3000K	16	2227	137	B1-U3-G2	2246	139	B1-U3-G2	2270	141	B1-U3-G2
20W		20	2739	135	B1-U3-G2	2768	138	B1-U3-G2	2804	140	B1-U3-G2
25W		25	3365	134	B1-U3-G3	3401	137	B1-U3-G3	3451	140	B2-U3-G2
15W	4000K	16	2211	136	B1-U3-G2	2230	138	B1-U3-G2	2253	142	B1-U3-G2
20W		20	2730	135	B1-U3-G2	2759	138	B1-U3-G2	2795	142	B1-U3-G2
25W		25	3357	133	B1-U3-G3	3392	137	B1-U3-G2	3443	141	B2-U3-G2
15W	5000K	16	2184	134	B1-U3-G2	2202	137	B1-U3-G2	2226	138	B1-U2-G1
20W		20	2683	132	B1-U3-G2	2712	135	B1-U3-G2	2747	137	B1-U2-G1
25W		25	3280	130	B1-U3-G3	3315	134	B1-U3-G2	3364	136	B2-U2-G2

OBR-x-IL-SCT2						OBR-x-EL-SCT3					
Optical Distribution			360D			180D			360D		
Nominal Wattage	Color Temp.	Avg. System Wattage (W)	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
15W	3000K	16	1754	110	B1-U3-G1	-	-	-	-	-	-
20W		20	2176	110	B1-U3-G1	781	38	B0-U3-G1	820	40	B1-U3-G1
25W		25	2694	110	B1-U3-G1	957	37	B0-U3-G1	1004	39	B1-U3-G1
30W		31	-	-	-	1182	38	B0-U3-G2	1240	40	B1-U3-G1
15W	4000K	16	1778	113	B1-U3-G1	-	-	-	-	-	-
20W		20	2217	113	B1-U3-G1	800	39	B0-U3-G1	839	41	B1-U3-G1
25W		25	2721	113	B1-U3-G1	979	38	B0-U3-G1	1028	40	B1-U3-G1
30W		31	-	-	-	1205	38	B0-U3-G2	1265	41	B1-U3-G1
15W	5000K	16	1810	113	B1-U3-G1	-	-	-	-	-	-
20W		20	2248	113	B1-U3-G1	817	39	B0-U3-G1	858	42	B1-U3-G1
25W		25	2738	112	B1-U3-G2	1001	39	B0-U3-G1	1050	41	B1-U3-G1
30W		31	-	-	-	1240	39	B0-U3-G2	1302	42	B1-U3-G1

Lumen values for emergency mode

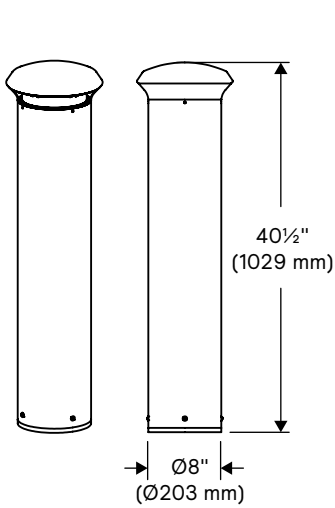
			OBR-DC-SCT3		OBR-x-CL-SCT3		OBR-x-IL-SCT2		OBR-x-EL-SCT3	
	Optical Distribution		360D							
Nominal Wattage	Color Temp.	Avg. System Wattage (W)	Lumen Output	BUG	Lumen Output	BUG	Lumen Output	BUG	Lumen Output	BUG
7W	4000K	7	1091	B1-U2-G1	1030	B1-U3-G2	895	B0-U3-G1	312	B0-U2-G1

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

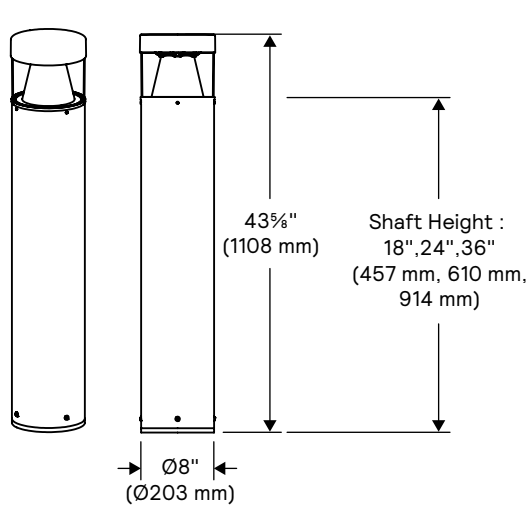
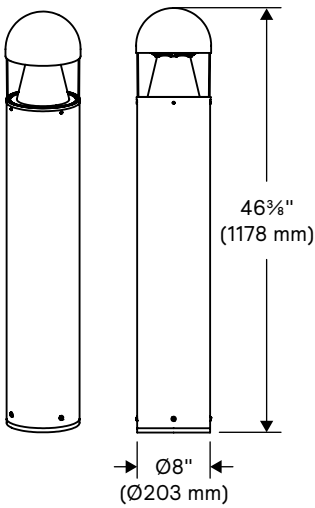
OBR OmniForm Bollard

OBR Dimensions

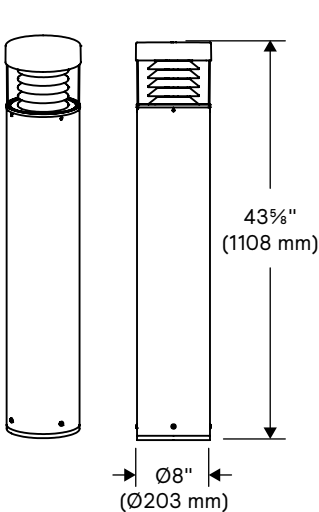
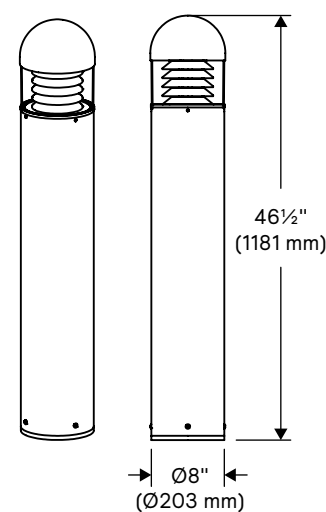
Disc (DC)



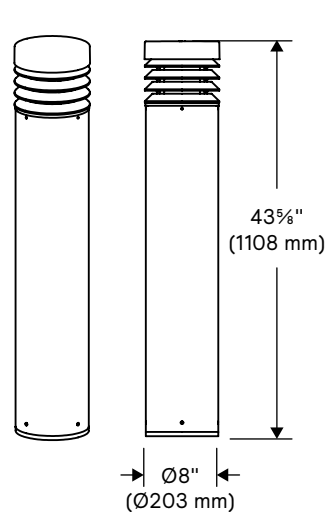
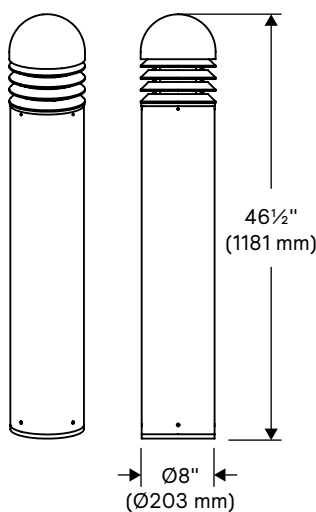
Clear Lens (CL)



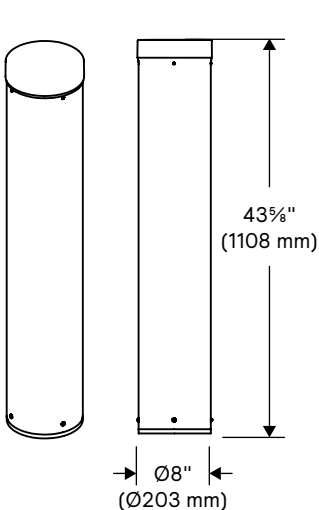
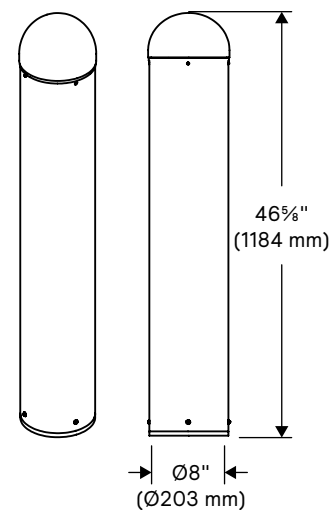
Internal Louver (IL)



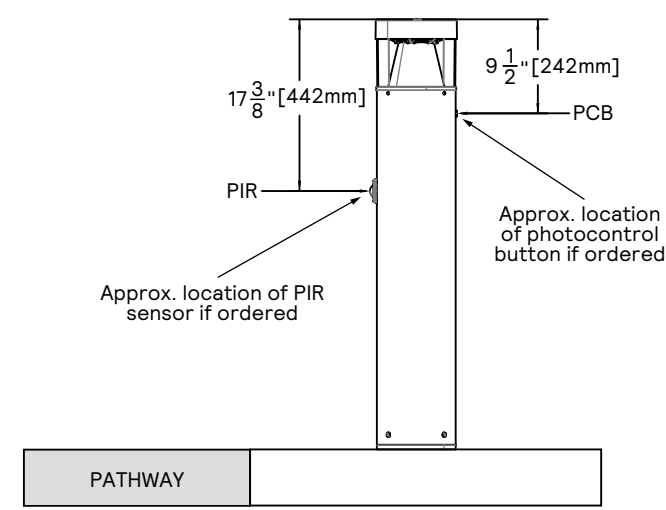
External Louver (EL)



Non-Illuminated Cap (NIC)



Location of the Lighting Controls



OBR OmniForm Bollard

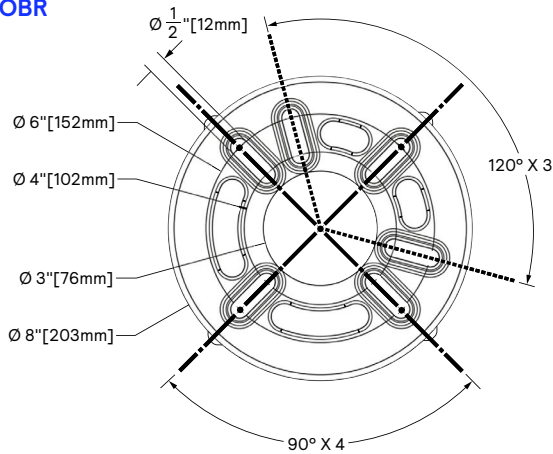
Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours.

Ambient Temp°C	Calculated L70 Hours	L70 per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	>102,000 hours	>50,000 hours	90%

Anchoring Bolt Base Template

OBR

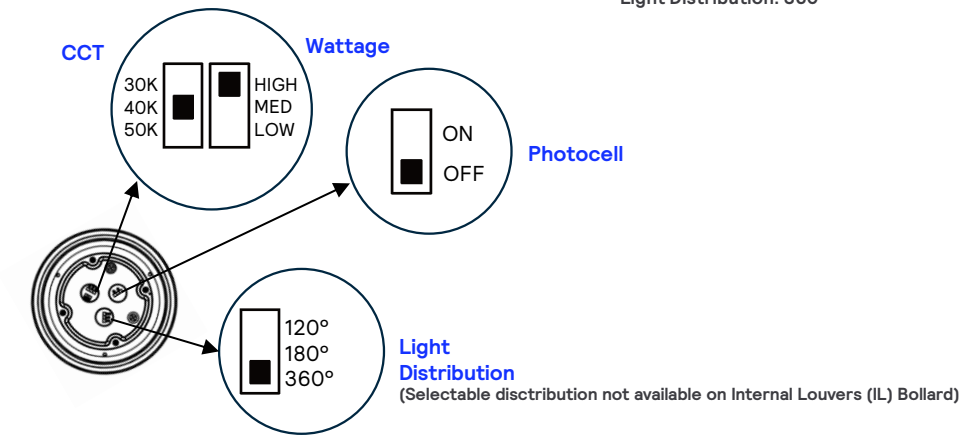


NOTE: Factory supplied template must be used when setting anchor bolts. Gardco will not honor any claim for incorrect anchorage placement from failure to use factory supplied templates.

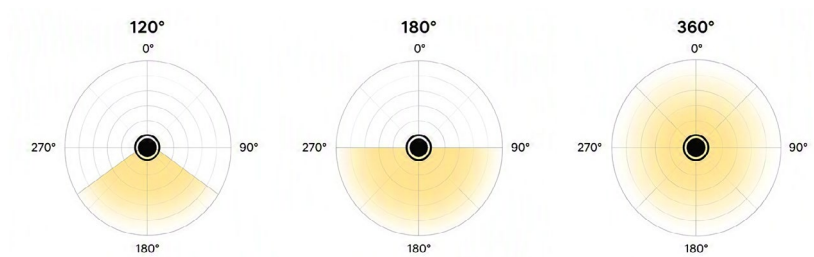
Selections

Switches are located on the bottom of the bollard head in a water tight enclosure.

Factory default settings:
CCT: 4000K
Wattage: High
Photocell: Off
Light Distribution: 360°



Light Distribution



OBR OmniForm Bollard

Housing

Cast aluminum top mounted on shaft with four (4) hex head set screws and the bottom section has a welding cast ring for attachment to base assembly with four (4) allen head set screws.

Light Engine

OmniForm bollards feature advanced selectable led technology assuring maximized light output. Switches are located on the bottom of the bollard head in a water tight enclosure and are exclusive to the type of optical system.

Optical System

DC-SCT3: The Disc top is available with three selectable features: Wattage, Color temperature and Distribution.

CL-SCT3: The Clear Lens is available in Dome (D) or Flat (F) top with with three selectable features: Wattage, Color temperature and Distribution.

IL-SCT2: The Internal Louver is available in Dome (D) or Flat (F) top with with two selectable features: Wattage and Color temperature only.

EL-SCT3: The External Louver is available in Dome (D) or Flat (F) top with with three selectable features: Wattage, Color temperature and Distribution.

NIC: Optional Non-Illuminated Cap to provide matching bollard aesthetics without illumination. Available in Dome (D) or Flat top..

Mounting

Base assembly consists of a cast aluminum platform. Assembly is secured and leveled to the mounting foundation with four (4) 3/8-16" x 13" x 3" (.953 cm x 20.32 cm x 3.81 cm) anchor bolts on a 4 3/4" (12.07 cm) bolt circle. 8" O.D shaft available in three height options. Anchor Bolts and template (OBR-ABT) should be ordered as a separate item and prior to the bollard installation. A 36" bollard provides a lateral load resistance of 2570 N (262 kg). An optional Vandal-Resistance Sleeve (VDRS8) increases lateral load resistance by 47%, up to 3785 N (386 kg). **Note:** These are not safety bollards and must not be used for impact protection.

Electrical

Driver: Driver efficiency (>90% standard). 120-347V available. 0-10V dimming. RoHS compliant.

Surge protection: Each luminaire is provided as standard with surge protector tested in accordance with IEC 61000-4-5 integrated in the driver. Optional SP2 (20kV/10kA) is available for additional protection.

Emergency Battery Pack (EBP): Emergency battery packs included integral to the luminaire, allowing for no field installation of remote emergency equipment. EBP is suitable for use in ambient temperature conditions from -20 deg C (-4 deg F) to +40 deg C (104 deg F) available on 450mA and up. The system is designed to have a secondary driver with relay to immediately detect AC power loss to power luminaire for a minimum of 90 minutes from the time power is lost. Available with 120-347V. EBP includes an integrated surge protection (20kV/10kA) to protect emergency input leads.

Listings

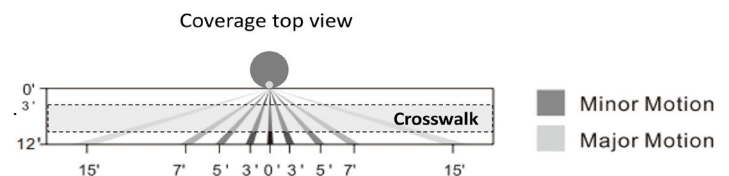
IP65, IK08, UL 1598 standard, suitable for Wet Locations. Suitable for use in ambients from -40° to 40°C (-40° to 104°F). DLC 6.0 Standard and Premium. Consult DLC Qualified Products List to confirm your specific luminaire selection is approved.

Lighting Control

PCB: Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated voltage of 120V, 208V, 240V, 277V or 347V with a load rating of 1000 VA. The photocell will turn on with 1-4Fc of ambient light.

PIR: Includes Photocell button. Motion Response module is mounted integral to luminaire factory pre-programmed to 50% dimming on standby mode. PIR is set/operates in the following fashion: When motion is not detected for a 5 -minute period, luminaires automatically dim to 50% power and light output. Once Motion is detected, luminaires immediately ramp up to full power and light output until motion is not detected for a 5-minute period. The RC100 IR remote is required when the PIR sensor lighting control is selected. The PIR sensor's onboard PCB can be enabled or disabled using the remote.

Coverage Area



Drawing not to scale. Use provided template or actual base plate as your template.

Attention: To achieve optimal installation for the PIR option, install the X-shaped anchoring base so that the PIR option is oriented towards the path.

RC100: The remote control Wireless IR Configuration Tool is a handheld tool for remote configuration of IR-enabled fixture integrated sensors. The tool enables device to modify via pushbutton without ladders or tools, and stores up to four sensor parameter modes to speed configuration of multiple sensors. The device can display previously established sensor parameters, copy parameters and send new parameters or store parameter profiles. For projects where identical settings may be desired across a large number of areas or spaces, this capability provides a streamlined method of configuration. Settings can be copied throughout a site, or in different sites.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. The surface treatment achieves a minimum of 1000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

OBR-Standard colors: Standard Gardco finishes, Bronze (BZ), Black (BK), White (WH), Dark Gray (DGY), and Medium Gray (MGY). Consult factory for specs on optional or custom colors. Hadco finishes available.

Warranty

OmniForm Bollard feature a 5-year limited warranty.

See www.genlyte.com/en-us/support/warranties for complete details and exclusions.