

OONA-SS Stainless Steel Bollards



L70
25°C

147,000 Hours



NEW Soft Shine Low Glare White Cone Reflector
Daytime View Nighttime View



LED Cone Reflector
RLQ



Louvers
LQ



LED Cone Reflector
Shown with Glare Shield



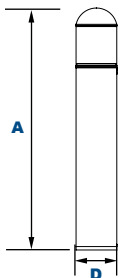
SoftLED LumaLens
Opal Array Lens



Shown with "S5"
Sensor



Shown with GFCI



Dimensions

Diameter (D)	7" (178mm)
Height (A)	41 1/4" (1,060mm)

The OONA-SS Bollards with choice of optics and lenses are designed to replace HID lighting systems up to 70w MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Specifications and Features:

Housing:

Formed 316L Stainless Steel Housing with Flush Mounting Base & Vandal-Resistant Screws, Domed Top, Internal Ballast Tray for Easy Maintenance.

Listing & Ratings:

ETL: Listed for Wet Locations, ANSI/UL 1598, 8750
IP65 Sealed LED Compartment.

Style:

Specially Designed Cone Reflector or Internal Louvers

Lens:

Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens or SoftLED LumaLens UV-Stabilized Polycarbonate Opal Vandal-Resistant Lens

Mounting Options:

Mounting Kit with 8" Zinc-Plated Anchor Bolts, Included.

EasyLED LED:

Aluminum Boards

Wattage:

Array: 10w, System: 11.3w; (70w HID Equivalent)
Array: 14.5w, System: 17w; (70w HID Equivalent)
Array: 22w, System: 23.8w; (70w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz (15w Only); Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Please consult factory for remote direct wired interface of 1-10V Dimming, fixtures are not wired for remote control connection standard and may not be available in this configuration. Fixtures are NOT designed for use with line voltage dimmers.

Warranty:

5-Year Warranty for -40°C to +40°C Environment.

See Page 4 for Projected Lumen Maintenance Table.

Project Information:

Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

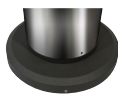
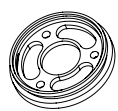
Certification & Listings:



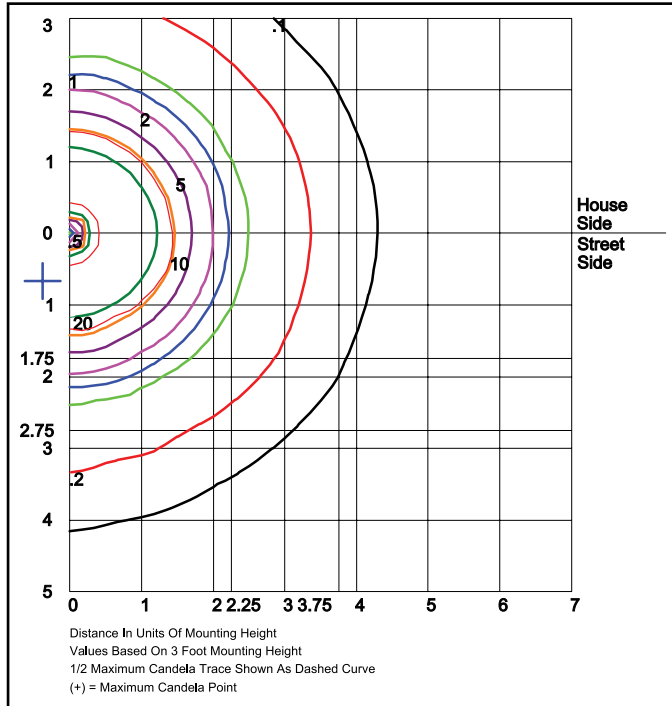
SoftLED

Order Information Example:		OONA-SS-RLQ-F-1X22-U-5K-SS-SF					
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
OONA-SS-RWQ =Round Dome Bollard with Soft Shine Low Glare White Cone Reflector OONA-SS-RLQ =Round Dome Bollard with LED Cone Reflector OONA-SS-LQ =Round Dome Bollard with Louvers	C =Type III* F =Wide Beam Spread *Not Available on LQ	1X10 =10w 1X15 =15w 1X22 =22w	U =120-277V C =347V* *15w Model Only	3K =3000K 4K =4000K 5K =5000K	(Leave Blank) =Clear Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens* *Type V White Cone Reflector Only	SS =Stainless Steel	SF =Single Fuse* DF =Double Fuse* SP =Surge Protection GF1 =GFCI Outlet, 15A, 120V GSB =180° Glare Shield, Black GSZ =180° Glare Shield, Bronze GSC =180° Glare Shield, Custom Color (Consult Factory) S5 =Microwave Sensor with Dimming & Remote Programming. See P17125 Spec. Page for Details.* BU =Battery Backup, 90 Minutes* BUC =Cold Start Battery Backup, -20°C, 90 Minutes* *120-277V Models Only.

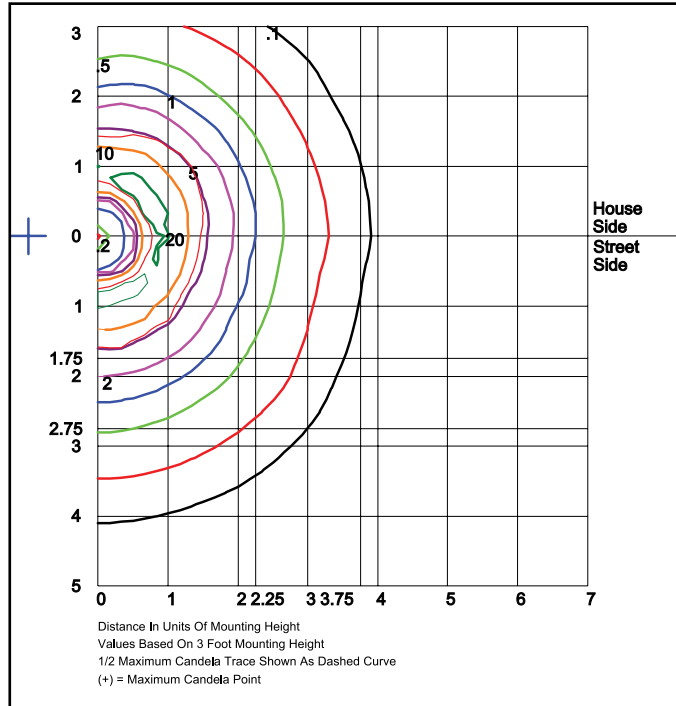
Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
BOLAN4 Mounting Kit, Includes Bracket & Three (3) 4" Zinc-Plated Anchor Bolts BOLAN8 Mounting Kit, Includes Bracket & Three (3) 8" Zinc-Plated Anchor Bolts BOLAN12 Mounting Kit, Includes Bracket & Three (3) 12" Zinc-Plated Anchor Bolts BOLAN15 Mounting Kit, Includes Bracket & Three (3) 15" Zinc-Plated Anchor Bolts BREBASE* Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½" Dia. x 1½" H *Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)	P17126 Remote Programming Tool for P17125  P17126	P17125 Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17125 Spec. Page for Details. BOLPC Replacement Round UV-Stabilized Polycarbonate Vandal-Resistant Lens BOLPCLL Replacement SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens BORBASE Die Cast Base Plate with Black Powdercoat Finish Over a Chromate Conversion Coating. BOADP1 Adapter Plate with Gaskets for Outlet Boxes. Fits Round Bollards. Die Cast with Bronze Powdercoat Finish. For Replacement Battery Backup, see the LED Battery Backup Specification Sheet.
 BOLAN		 P17125
 BREBASE*		 BOLPC, BOLPCLL
*Shown Mounted		 BORBASE
		 BOADP1

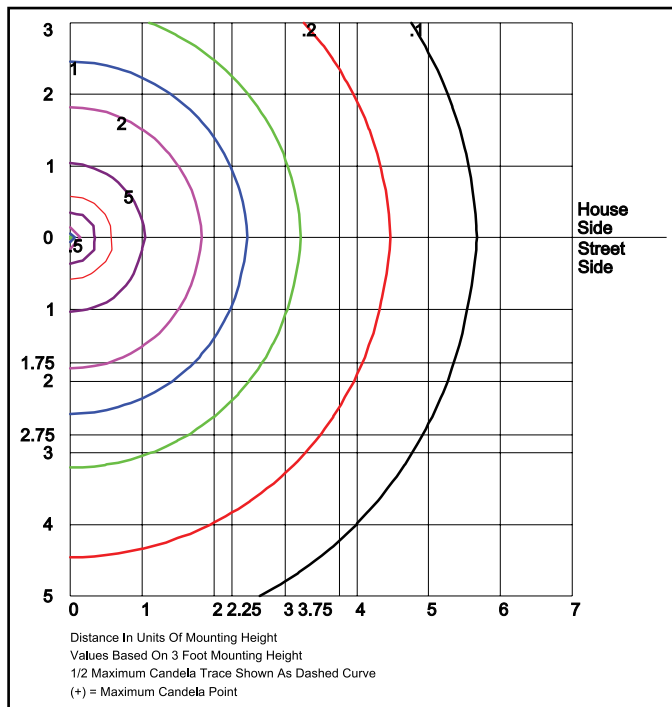
Photometric Data



**OONA-SS-RWQ-F-1X22-U-5K &
OONA-SS-RLQ-F-1X22-U-5K**
Type V
Grid in feet, Mounting Height = 3 ft.



OONA-SS-LQ-F-1X22-U-5K
Type V
Grid in feet, Mounting Height = 3 ft.



**OONA-SS-RWQ-F-1X22-U-5K-L,
LumaLens Type V**
Grid in feet, Mounting Height = 3 ft.

Photometric Performance

	Wattage (Catalog Logic)	10W (1X10)	15W (1X15)	20W (1X22)
	Input Watts	11.3W	15.9W	23.8W
Optic	CCT	Delivered Lumens		
OONA-SS-RWQ & RLQ Cone Reflector C=Type III Optic Clear Lens	3000K	738	1,033	1,549
	4000K	800	1,120	1,680
	5000K	834	1,167	1,750
	BUG Rating	B0-U2-G1	B1-U3-G1	B1-U3-G1
OONA-SS-RWQ & RLQ Cone Reflector F=Type V Optic Clear Lens	3000K	1,031	1,444	2,165
	4000K	1,119	1,566	2,349
	5000K	1,165	1,631	2,447
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
OONA-SS-LQ Louvers F=Type V Optic Only Clear Lens	3000K	521	730	1,094
	4000K	565	791	1,187
	5000K	589	824	1,236
	BUG Rating	B0-U2-G0	B1-U2-G1	B1-U3-G1
OONA-SS-RWQ White Cone Reflector F=Type V Optic Opal LumaLens	3000K	659	715	745
	4000K	922	1001	1042
	5000K	1,384	1,501	1,564
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1

Projected Lumen Maintenance

Data shown for 5000 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 24w	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.89	0.78	0.55	67,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.92	0.85	0.70	66,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.