

DuraLED Round Dome Bollards



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

The DuraLED Bollards with choice of optics 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:

Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Domed Top, Internal Ballast Tray for Easy Maintenance. Bollards Can Be Cut to Custom Lengths Upon Request.

LISTING & RATINGS:

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

FINISH:

Textured Architectural Bronze or Black Powdercoat
Finish Over a Chromate Conversion Coating.
Custom Colors Available Upon Request.

STYLE:

Clear Prismatic Borosilicate Glass Refractor, 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.

DURALED LED:

Aluminum Boards

WATTAGE:

Array: 10w, System: 11.3w
Array: 14.5w, System: 15.9w
Array: 22w, System: 23.8w

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 Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with DuraGuard Controls and May Not Function Properly With Controls Supplied by Others. 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.



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



Glass DTRBQ Louvers DTRBAALQ SoftLED LumaLens Opal Array Lens



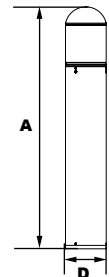
LED Cone Reflector, Shown with Glare Shield DTRBPBCLQ Shown with GFCI Shown with "S3" Sensor

DuraLED TECHNOLOGY



Dimensions

Diameter (D) | 7" (178mm)
Height (A) | 42 1/4" (1,073mm)



Specifications subject to change without notice.

DuraLED Round Dome Bollards



Complete Units Ordering Information
 Example: **DTRBPBCLQF1X22U5KZ36SF**

Model	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
	C =Type III* F =Wide Beam Spread	1X10 =10w 1X15 =15w 1X22 =22w	U =120-277V C =347V* *15w Model Only	3K =3000K 4K =4000K 5K =5000K		Z =Bronze B =Black C =Custom (Consult Factory)	(Leave Blank) = 42" Standard Height 36 =36" Height 30 =30" Height	
DTRBPBCWQ, DTRBPBCLQ & DTRBQ Only				(Leave Blank) =Clear Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens				
*Type V White Cone Reflector Only								

DTRBPBCWQ=Round Dome Bollard with Soft Shine Low Glare White Cone Reflector
DTRBPBCLQ=Round Dome Bollard with LED Cone Reflector
DTRBQ=Round Dome Bollard with Glass
DTRBAALQ=Round Dome Bollard with Louvers

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)
S3=Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 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)	
MK4	Mounting Kit, Includes Bracket & Three (3) 4" Zinc-Plated Anchor Bolts
MK8	Mounting Kit, Includes Bracket & Three (3) 8" Zinc-Plated Anchor Bolts
MK12	Mounting Kit, Includes Bracket & Three (3) 12" Zinc-Plated Anchor Bolts
MK15	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 all DuraGuard Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½" Dia. x 1½" H
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)	



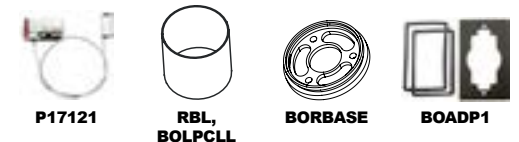
*Shown Mounted

Accessories (Order Separately, Field Installed)	
P17122	Remote Programming Tool for P17121



P17122

Replacement Parts (Order Separately, Field Installed)	
P17121	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details.
RPL	Replacement Round UV-Stabilized Polycarbonate Vandal-Resistant Lens
BOLPCLL	Replacement SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens
BORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.
BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits DuraGuard Round Bollards. Die Cast with Bronze Powdercoat Finish.
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)	
For Replacement Battery Backup, see the DuraGuard LED Battery Backup Specification Sheet.	



P17121

RBL,
BOLPCLL

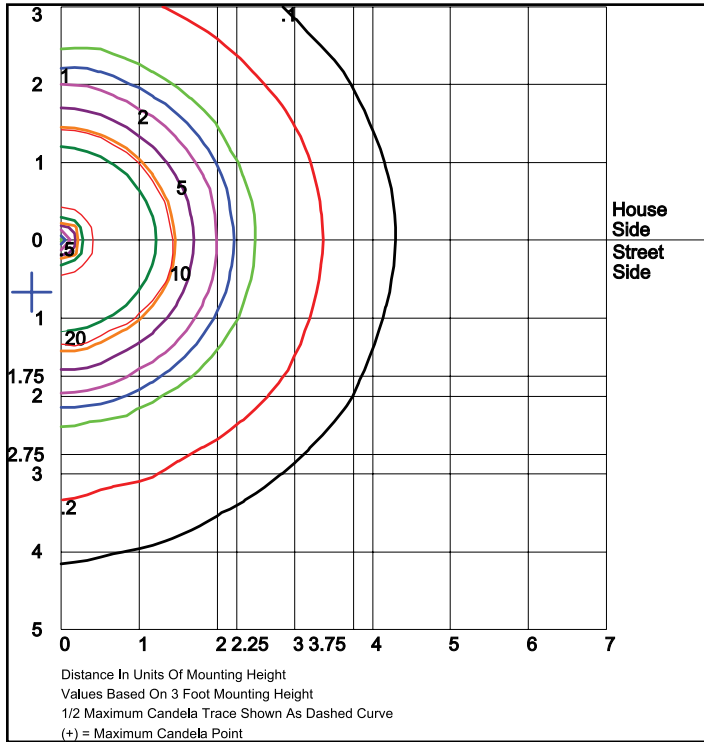
BORBASE

BOADP1

DuraLED Round Dome Bollards



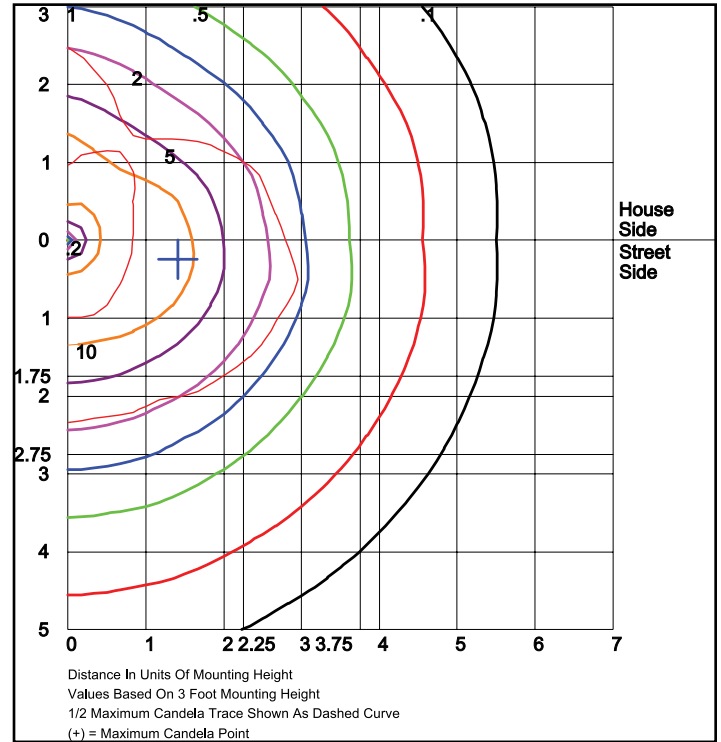
PHOTOMETRIC DATA



DTRBPBCWQF1X22U5K & DTRBPBCLQF1X22U5K

Type V

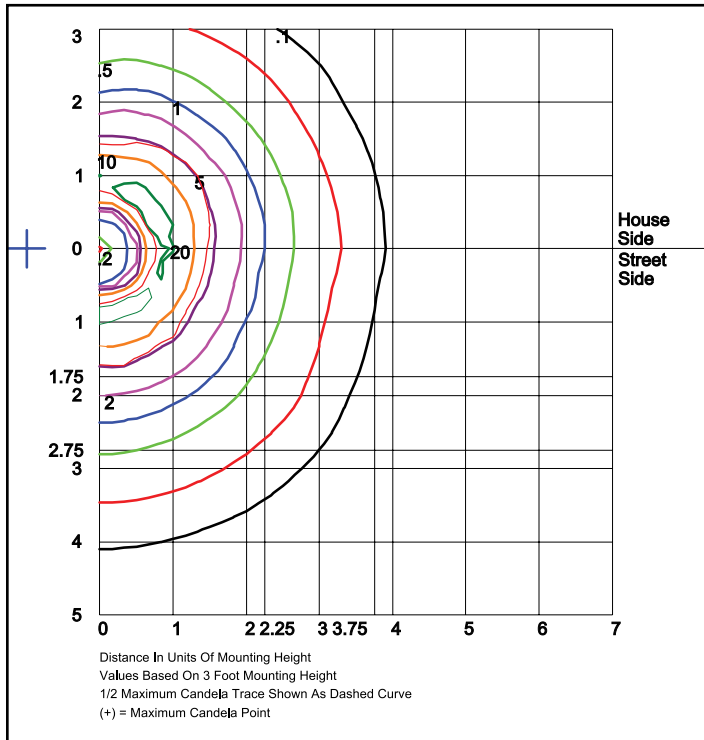
Grid in feet, Mounting Height = 3 ft.



DTRBQC1X22U5K

Type III

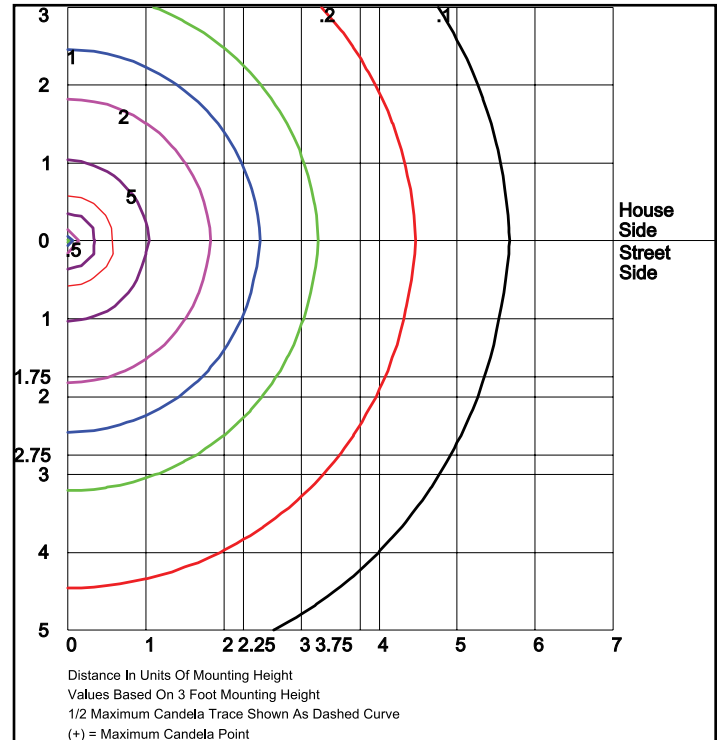
Grid in feet, Mounting Height = 3 ft.



DTRBAALQF1X22U5K

Type V

Grid in feet, Mounting Height = 3 ft.



DTRBPBCWQF1X22U5KL, LumaLens

Type V

Grid in feet, Mounting Height = 3 ft.

DuraLED Round Dome Bollards



PHOTOMETRIC PERFORMANCE

Optic	CCT	Wattage (Catalog Logic)	10W (1X22)	15W (1X15)	20W (1X22)
		Input Watts	11.3W	15.9W	23.8W
		Delivered Lumens			
DTRBPBCWQ DTRBPBCLQ & Cone Reflector C=Type III Optic	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	
DTRBPBCWQ DTRBPBCLQ & Cone Reflector F=Type V Optic	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	
DTRBQ Glass C=Type III Optic	3000K	789	1,105	1,657	
	4000K	856	1,199	1,798	
	5000K	892	1,249	1,873	
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1	
DTRBQ Glass F=Type V Optic	3000K	773	1,082	1,622	
	4000K	838	1,173	1,760	
	5000K	873	1,222	1,833	
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1	
DTRBAALQ Louvers F=Type V Optic Only	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	

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 116mA 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.