

DuraLED Sculptor Round & Square Bollards



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

The DuraGuard B3Q and B4Q DuraLED Sculptor Cutoff Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments 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, Flat Top, Sealed Driver Compartment.

LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

FINISH:

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

LENS:

Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Inner Lens to Seal LED Array.

MOUNTING OPTIONS:

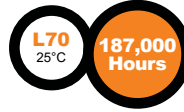
Mounting Kit with 8" Zinc-Plated Anchor Bolts, Included.

DURALED LED:

Aluminum Boards

WATTAGE:

Array: 16.6w, System: 18.1w; (70w HID Equivalent)
 Array: 25w, System: 27.2w; (70w HID Equivalent)



DRIVER:

Electronic Driver, 120-277V, 50/60Hz; 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 +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

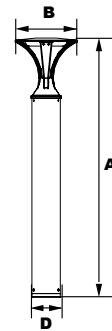


B3Q - Sculptor Round Bollard

B4Q - Sculptor Square Bollard

Shown with "S3" Sensor

Shown with GFCI



Dimensions

Width (B)	10 1/4" (260mm)
Diameter (D)	4 3/4" (120mm)
Height (A)	43 3/8" (1,095mm)

DuraLED TECHNOLOGY

Complete Units
 Ordering Information
 Example: B4QF1X16U5KCZ36SF

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Model	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
	F =Wide Beam Spread	1X16 =16w 1X25 =25w	U =120-277V	3K =3000K 4K =4000K 5K =5000K		Z =Bronze B =Black C =Custom (Consult Factory)	(Leave Blank) = 43 3/8" Standard Height 36 =36" Height 30 =30" Height	
B3Q =Sculptor Round Bollard B4Q =Sculptor Square Bollard								

C=Clear UV-Stabilized Polycarbonate Array Lens
L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens

SF=Single Fuse
DF=Double Fuse
SP=Surge Protection
GF1=GFCI Outlet, 15A, 120V
S3=Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details.



Specifications subject to change without notice.

DuraLED Sculptor Round & Square Bollards



ACCESSORIES & REPLACEMENT PARTS:



BREBASE* **P17122**



P17121 **BOADP1**

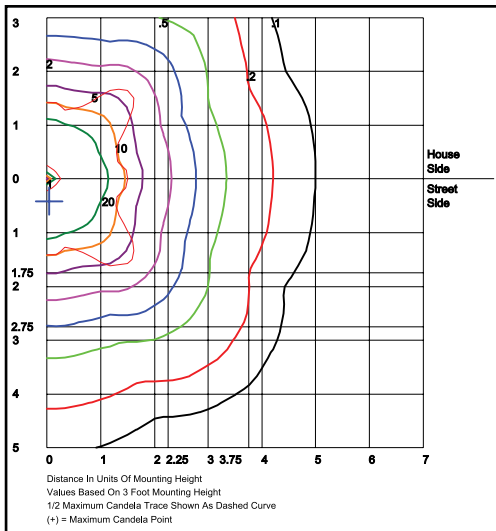
*Shown Mounted

Mounting Accessories (Order Separately, Field Installed)	
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all DuraGuard Bollards. Die Cast with Powdercoat Finish, Hardware Included. 1 1/2" Dia. x 1 1/2" H
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)	

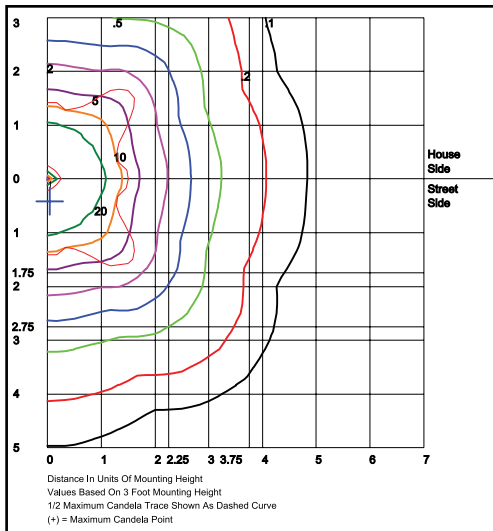
Accessories (Order Separately, Field Installed)	
P17122	Remote Programming Tool for P17121

Replacement Parts (Order Separately, Field Installed)	
P17121	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details.
B3LL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens
B4LL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens
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)	

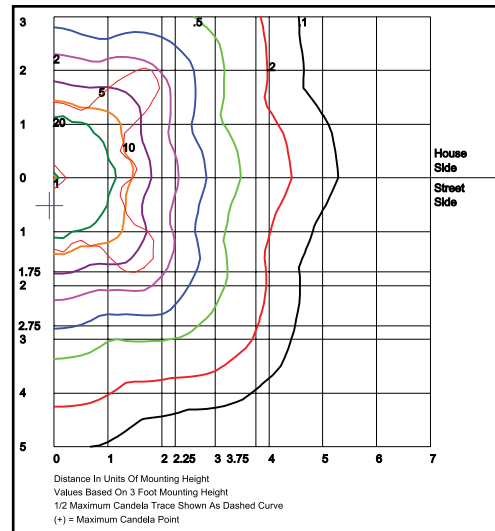
PHOTOMETRIC DATA



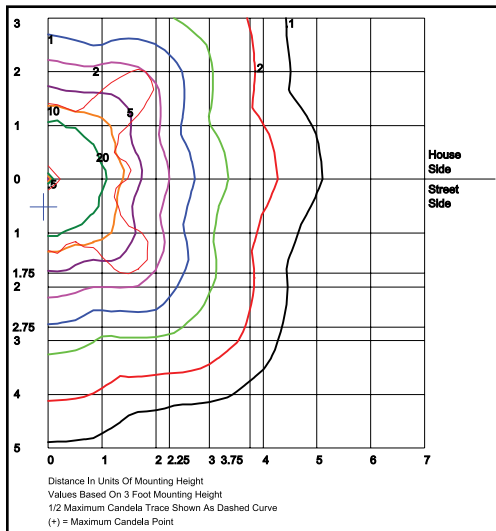
B3QF1X25U5K
Type V-Clear Glass
Grid in feet, Mounting Height = 3.5 ft.



B3QF1X25U5KL
Type V-LumaLens
Grid in feet, Mounting Height = 3.5 ft.



B4QF1X25U5KC
Type V-Clear Glass
Grid in feet, Mounting Height = 3.5 ft.



B4QF1X25U5KL
Type V-LumaLens
Grid in feet, Mounting Height = 3.5 ft.

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DuraGuard
PRODUCTS INC.
A QSSI Company



PHOTOMETRIC PERFORMANCE

Optic	Wattage (Catalog Logic)		16W (1X16)	25W (1X25)
	Input Watts	18.1W	27.2W	
Optic	CCT	Delivered Lumens		
B3 with Clear Glass F=Type V Optic	3000K	1,532	2,298	
	4000K	1,662	2,493	
	5000K	1,731	2,597	
	BUG Rating	B1-U3-G1	B1-U3-G1	
B3 with LumaLens F=Type V Optic	3000K	1,343	2,014	
	4000K	1,457	2,185	
	5000K	1,517	2,276	
	BUG Rating	B1-U2-G1	B1-U3-G1	
Optic	Wattage (Catalog Logic)		16W (1X16)	25W (1X25)
	Input Watts	18.1W	27.2W	
Optic	CCT	Delivered Lumens		
B4 with Clear Glass F=Type V Optic	3000K	1,604	2,406	
	4000K	1,740	2,610	
	5000K	1,813	2,719	
	BUG Rating	B1-U2-G1	B1-U3-G1	
B4 with LumaLens F=Type V Optic	3000K	1,406	2,109	
	4000K	1,525	2,288	
	5000K	1,589	2,383	
	BUG Rating	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
B3 L70 Lumen Maintenance @ 25°C / 77°F	20	1.00	0.96	0.92	0.84	187,000
B4 L70 Lumen Maintenance @ 25°C / 77°F	20	1.00	0.96	0.92	0.84	187,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
B3 L70 Lumen Maintenance @ 50°C / 122°F	20	1.00	0.94	0.87	0.74	117,000
B4 L70 Lumen Maintenance @ 50°C / 122°F	20	1.00	0.93	0.87	0.73	113,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
B3 L80 Lumen Maintenance @ 40°C / 104°F	20	1.00	0.97	0.93	0.87	151,000
B4 L80 Lumen Maintenance @ 40°C / 104°F	20	1.00	0.97	0.93	0.86	144,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA 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.