

# DuraLED Square Flat Bollards



<b>Project Information</b>	
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:**

**HOUSING:** Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat 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 3 for Projected Lumen Maintenance Table.

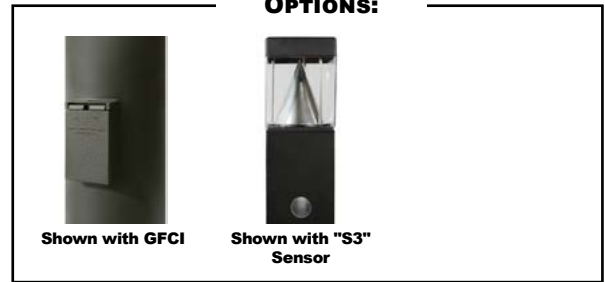


**NEW Soft Shine Low Glare White Cone Reflector**  
 Daytime View      Nighttime View  
 (Dome Top Shown for Visual Concept)



**Glass SBQ      Square Louvers SBSAALQ      SoftLED LumaLens Opal Array Lens**

**OPTIONS:**



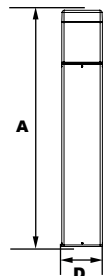
**Shown with GFCI      Shown with "S3" Sensor**

**DuraLED TECHNOLOGY**



**Dimensions**

<b>Length (D)</b>	7" (177mm)
<b>Height (A)</b>	41 3/8" (1,051mm)



Specifications subject to change without notice.

# DuraLED Square Flat Bollards



Complete Units Ordering Information  
 Example: **SBPBCLQF1X22U5KZ36SF**

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

**SBPBCWQ**=Square Flat Bollard with Soft Shine Low Glare White Cone Reflector  
**SBPBCLQ**=Square Flat Bollard with LED Cone Reflector  
**SBQ**=Square Flat Bollard with Glass  
**SBSAALQ**=Square Flat Bollard with Square Louvers

**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.  
**BU**=Battery Backup, 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. 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



**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 Square UV-Stabilized Polycarbonate Vandal-Resistant Lens
BOSPCLL	Replacement SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens
BOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.

\*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

For Replacement Battery Backup, see the DuraGuard LED Battery Backup Specification Sheet.



**MK**

**BREBASE\***



**P17121**

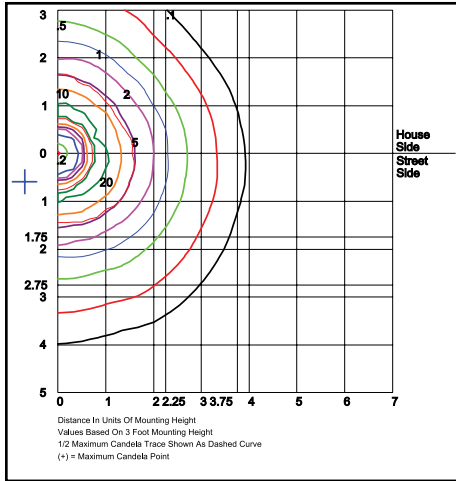
**RPL,  
BOSPCLL**

**BOSBASE**

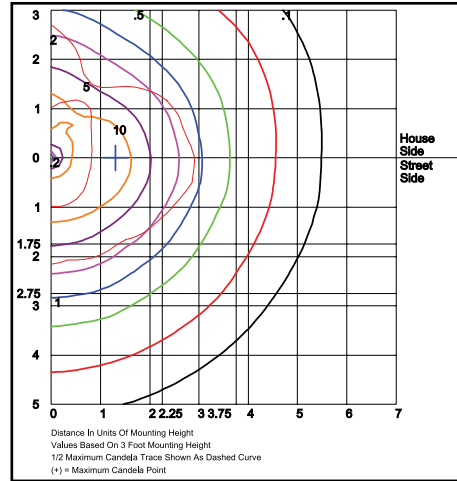
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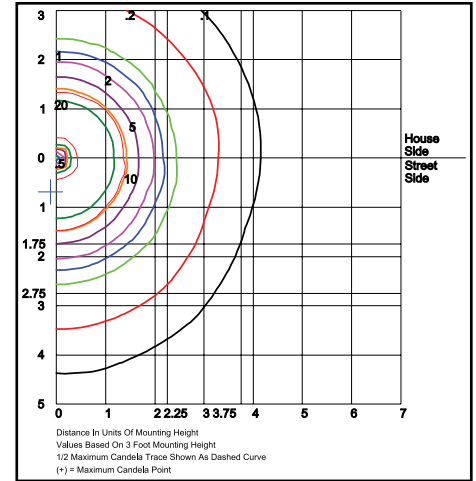
## PHOTOMETRIC DATA



**SBPBCWQ1X22U5K & SBPBCLQ1X22U5K**  
**Type V**  
Grid in feet, Mounting Height = 3 ft.



**SBQC1X22U5K**  
**Type III**  
Grid in feet, Mounting Height = 3 ft.



**SBSAALQF1X22U5K**  
**Type V**  
Grid in feet, Mounting Height = 3 ft.

## PHOTOMETRIC PERFORMANCE

Optic	CCT	Wattage (Catalog Logic)		
		10W (1X22)	15W (1X15)	20W (1X22)
Input Watts		11.3W	15.9W	23.8W
Delivered Lumens				
<b>SBPBCWQ &amp; SBPBCLQ</b> <b>Cone Reflector</b> <b>C=Type III Optic</b>	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
<b>SBPBCWQ &amp; SBPBCLQ</b> <b>Cone Reflector</b> <b>F=Type V Optic</b>	3000K	1,037	1,452	2,178
	4000K	1,125	1,575	2,362
	5000K	1,172	1,641	2,461
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
<b>SBQ Glass</b> <b>C=Type III Optic</b>	3000K	787	1,101	1,652
	4000K	853	1,195	1,792
	5000K	889	1,245	1,867
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
<b>SBQ Glass</b> <b>F=Type V Optic</b>	3000K	768	1,076	1,613
	4000K	833	1,167	1,750
	5000K	868	1,215	1,823
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
<b>SBSAALQ Louvers</b> <b>F=Type V Optic Only</b>	3000K	531	744	1,116
	4000K	576	807	1,211
	5000K	600	841	1,261
	BUG Rating	B0-U2-G0	B1-U2-G1	B1-U3-G1

## PROJECTED LUMEN MAINTENANCE

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

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