

SBQ DuraLED 1800K CCT LED Square Flat Bollards



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

The **DuraLED 1800K CCT LED** bollards are the latest alternative to Low Pressure Sodium (LPS) designed for dark sky preservation without loss of lumens. 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, 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.

1800K CCT LED:

Aluminum Boards. Delivers 1800K CCT and can be successfully applied on projects requiring a nominal CCT range of 1700K to 2200K CCT. See Page 3 for Spectral Chart.

WATTAGE:

Array: 15w, System: 16.5w; (35w SOX 1800K CCT LED)

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.

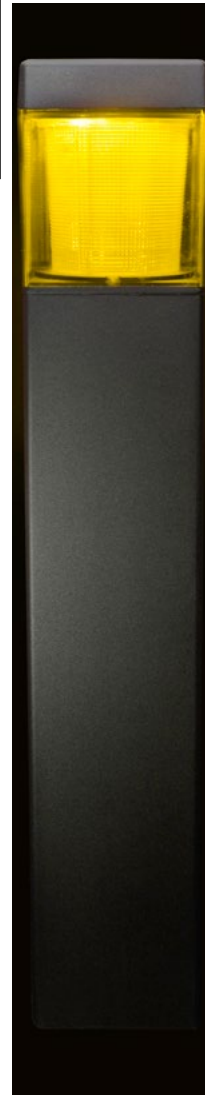
CONTROLS:

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 +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



LED Cone Reflector SBPBCLQ



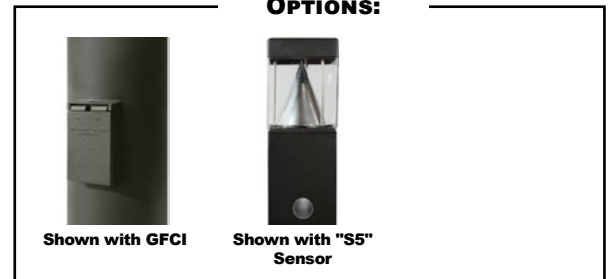
Square Louvers SBSAALQ



SoftLED LumaLens Opal Array Lens

1800K CCT LED

OPTIONS:



Shown with GFCI

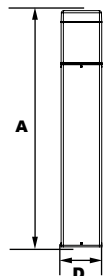
Shown with "S5" Sensor

DuraLED TECHNOLOGY



Dimensions

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



Specifications subject to change without notice.

SBQ DuraLED 1800K CCT LED Square Flat Bollards



Complete Units Ordering Information
 Example: **SBPBCLQF1X15UHAZ36SF**

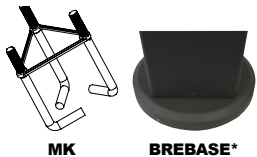
	F	1X15	U	HA				
Model	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
	F =Wide Beam Spread	1X15 =15w	U =120-277V	HA =1800K		Z =Bronze B =Black C =Custom (Consult Factory)	(Leave Blank) =42" Standard Height 36 =36" Height 30 =30" Height	
SBPBCWQ =DuraLED 1800K CCT LED Square Flat Bollard with White LED Cone Reflector SBPBCLQ =DuraLED 1800K CCT LED Square Flat Bollard with LED Cone Reflector SBQ =DuraLED 1800K CCT LED Square Flat Bollard with Glass SBSAALQ =DuraLED 1800K CCT LED Square Flat Bollard with Square Louvers					(Leave Blank) =Clear Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens* *White Cone Reflector Only			

- SF**=Single Fuse*
- DF**=Double Fuse*
- SP**=Surge Protection
- GF1**=GFCI Outlet, 15A, 120V
- PC3**=Photocell, 120-277VAC
- S5**=Microwave Sensor with Dimming & Remote Programming, 120-277V Only. 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:

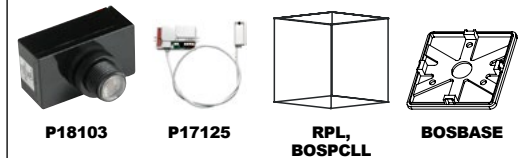
Mounting Accessories (Order Separately, Field Installed)	
MK4	Mounting Kit, Includes Bracket & Three (3) 4" Zinc-Plated Anchor Bolts
MK8	Mounting Kit, Includes Bracket & Three (3) 8" Zinc-Plated Anchor Bolts
MK12	Mounting Kit, Includes Bracket & Three (3) 12" Zinc-Plated Anchor Bolts
MK15	Mounting Kit, 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)	
P17126	Remote Programming Tool for P17125



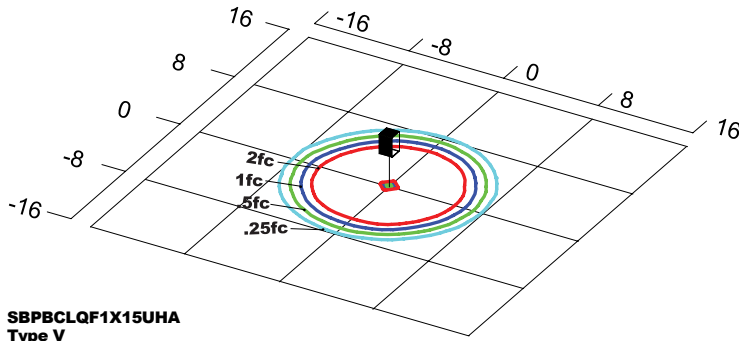
Replacement Parts (Order Separately, Field Installed)	
P18103	120-277VAC Photocell
P17125	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17125 Spec. Page for Details.
RPL	Replacement Square UV-Stabilized Polycarbonate Vandal-Resistant Lens
BOSPCLL	Replacement SoftLED 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.	



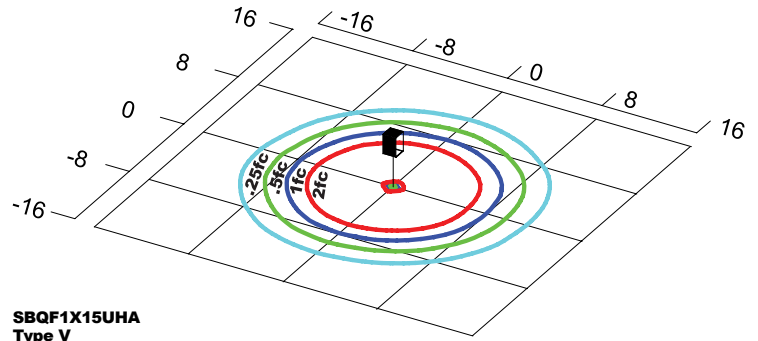
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PHOTOMETRIC DATA

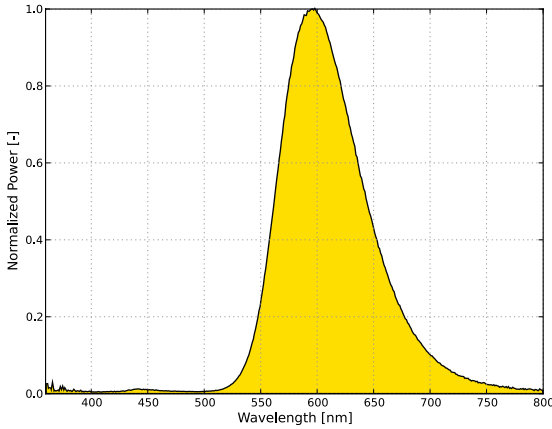


SBPBCLQF1X15UHA
Type V
 Grid in feet, Mounting Height=3.5 ft.



SBQF1X15UHA
Type V
 Grid in feet, Mounting Height=3.5 ft.

SPECTRAL CHART



1800K CCT LEDs provide the same visual light output as traditional Low Pressure Sodium systems, but provide substantially reduced energy and maintenance costs, and increased lifespan and lumen maintenance values.

1800K CCT LED: Dominant Wavelength 588.8-592.6
 Low Pressure Sodium Wavelength: 589 and 589.6

PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	1800K CCT LED				
				Lumens	LPW	B	U	G
1800K CCT LED 15w	116	17	Cone Reflectors	1,178	69	1	3	1
			SBQ Glass	883	52	1	3	1
			SBSAALQ Square Louvers	595	35	0	2	0

PROJECTED LUMEN MAINTENANCE

Data shown for 1800K CCT LED		Compare to LPS				
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	17	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 LPS box indicates suggested Light Loss Factor (LLF) to be used when comparing to Low Pressure Sodium (LPS) systems