Rev. 102621

DuraLED Amber Sculptor II Round & Square Bollards

DuraGuard PRODUCTS INC® A QSSI Company

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Project Information

Project Name: | Fixture Type:

Complete Catalog #: | Date:

Comments:

The DuraGuard AFRB20Q & AFSB20Q Amber LED Sculptor II Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments are designed to replace HID lighting systems for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595nm, greater than 560nm required for wildlife protection. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

L70 25°C — 187,000 Hours

Specifications and Features:

Housing:
Extruded Aluminum Housing with Flush Mounting Base, Sand Cast Twin Arm Head, 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:
SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Inner Lens to Seal LED Array.

Mounting Options:
Mounting Kit with 8″ Anchor Bolts, Included.

Amber LED:
Aluminum Boards

Wattage:
17w: Array: 16.5w, System: 18.7w

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.

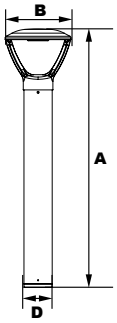
See Page 2 for Projected Lumen Maintenance Table.

AFRB20Q

AFSB20Q

BUY AMERICAN ACT COMPLIANT

Shown with GFCI



Dimensions	
Width (B)	11″ (280mm)
Diameter (D)	4¾″ (120mm)
Height (A)	42″ (1,067mm)

DuraLED Technology

Complete Units Ordering Information
Example: **AFRB20QF1X17UAMLBGF1**

DuraLED Amber Sculptor II Round & Square Bollards

DuraLED Amber Series

	F	1X17	U	AM	L			
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Height**	**Options**
	F=Wide Beam Spread	**1X17**=17w	**U**=120-277V	**AM**=Amber	**L**=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens	**Z**=Bronze **B**=Black **C**=Custom (Consult Factory)	**(Leave Blank)**=42″ Standard Height **36**=36″ Height **30**=30″ Height	**GF1**=GFCI Outlet, 15A, 120V **S3**=Internal Microwave Sensor*

AFRB20Q=DuraLED Amber Sculptor II Round Bollard
AFSB20Q=DuraLED Amber Sculptor II Square Bollard

***120-277V Models Only**

IP66

SoftLED

Specifications subject to change without notice.

12802 Commodity Place • Tampa, FL 33626 • www.duraguard.com • Toll Free: (800) 736-7991 • Fax: (800) 287-4175

Rev. 110321

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Accessories & Replacement Parts:

BREBASE*

P17122

P17121

BOADP1

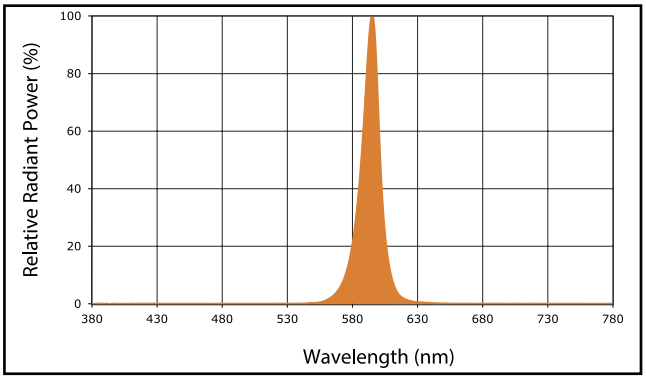
*Shown Mounted

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. 11½″ Dia. x 1½″ 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 (120-277V Only)
BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits DuraGuard Round Bollards. Die Cast with Bronze Powdercoat Finish.

Spectral Chart



Photometric Performance

			Amber LED				
LED Board Watts	Input Watts	Optics	Lumens	LPW	B	U	G
Amber 17w	18.7w	Wide Beam Spread	951	51	0	0	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
AFRB20 L70 Lumen Maintenance @ 25°C / 77°F	18.7w	1.00	0.96	0.92	0.84	187,000
AFRB20 L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.87	0.73	113,000
AFRB20 L80 Lumen Maintenance @ 40°C / 104°F		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 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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