

Aeroform Round & Square Bollards

L70
25°C **187,000 Hours**



AFRB20Q

AFSB20Q

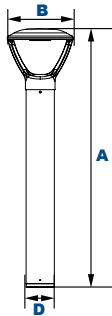


Shown with GFCI



Dimensions

Width (B)	11" (280mm)
Diameter (D)	4 3/4" (120mm)
Height (A)	42" (1,067mm)



Project Information:

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

The LBS AFRB20Q & AFSB20Q EasyLED Aeroform 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, 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.

EasyLED LED:

Aluminum Boards

Wattage:

12w: Array 11.8, System 12.9; (70w HID Equivalent)
17w: Array: 16.5w, System: 18.1w; (70w HID Equivalent)
25w: Array 24.8w, System 27.1w; (70w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347V, 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 LEPC 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.

Certification & Listings:



Order Information Example: AFRB20QF1X125U5KLBGF1

	F				L			
Model	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
AFRB20Q = EasyLED Aeroform Round Bollard AFSB20Q = EasyLED Aeroform Square Bollard	F =Wide Beam Spread	1X12 =12w 1X17 =17w 1X25 =25w	U =120-277V C =347V* *17w Model Only.	3K =3000K 4K =4000K 5K =5000K	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* *120-277V Models Only.

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
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BREBASE* Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPC Bollards. Die Cast with Powdercoat Finish, Hardware Included. 1 1/2" Dia. x 1 1/2" H

P17122 Remote Programming Tool for P17121

P17121 Internal Microwave Sensor (120-277V Only)

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



P17122



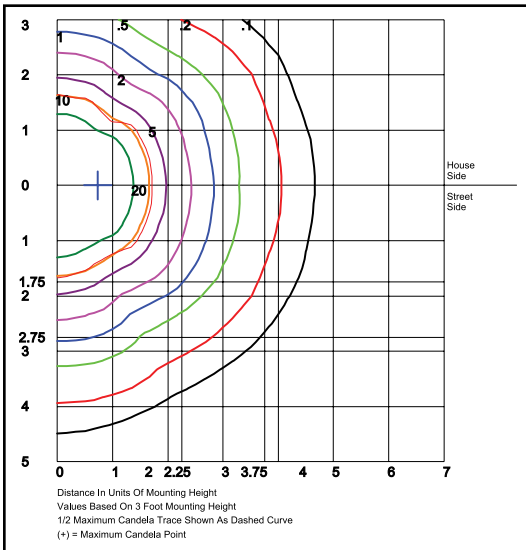
P17121



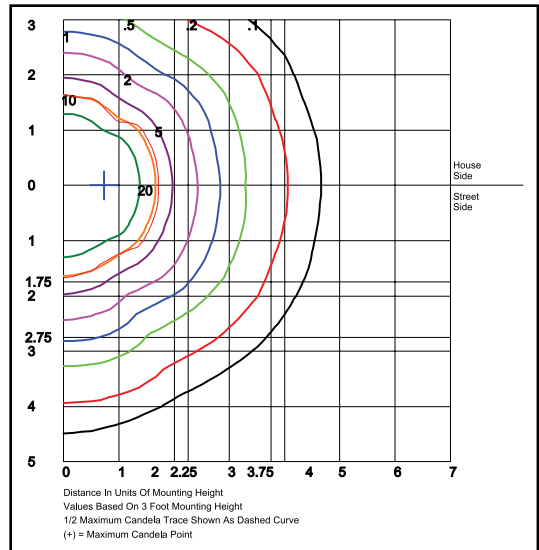
BOADP1

*Shown Mounted

Photometric Data



AFRB20QF1X25U5KL
Type V
 Grid in feet, Mounting Height = 3.5 ft.



AFSB20QF1X25U5KL
Type V
 Grid in feet, Mounting Height = 3.5 ft.



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25°C **187,000 Hours**

Photometric Performance

Wattage (Catalog Logic)		12W (1X12)	17W (1X17)	25W (1X25)
Input Watts		12.9W	18.1W	27.1W
Optic	CCT	Delivered Lumens		
AFRB20Q & AFSB20Q Type V Optic	3000K	1,403	1,964	2,946
	4000K	1,516	2,123	3,184
	5000K	1,580	2,212	3,318
	BUG Rating	B1-U1-G0	B1-U1-G0	B2-U1-G0

Projected Lumen Maintenance

Data shown for 5000 CCT TM-21-11	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
AFRB20 L70 Lumen Maintenance @ 25°C / 77°F	18	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.

