

# Allora II Round & Square Bollards

**L70**  
25°C **187,000 Hours**

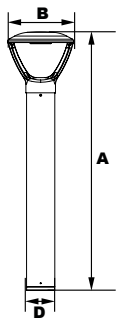


**AIAFRB20Q**

**AIAFSB20Q**



**Shown with GFCI**



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

The Atlantic AIAFRB20Q & AIAFSB20Q LED Allora II 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.

**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 Atlantic 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.

**Project Information:**

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_

Complete Catalog #: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

**Certification & Listings:**



L70  
25°C

187,000 Hours

**Order Information Example:**

AIAFRB20QF1X125U5KLBGF1

		F			L			
Model	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
AIAFRB20Q = LED Allora II Round Bollard AIAFSB20Q = LED Allora II 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)**

AIBREBASE\* Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all Atlantic 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)



AIBREBASE\*

\*Shown Mounted

**Accessories  
(Order Separately, Field Installed)**

AIP17122 Remote Programming Tool for AIP17121



AIP17122

**Replacement Parts  
(Order Separately, Field Installed)**

AIP17121 Internal Microwave Sensor (120-277V Only)

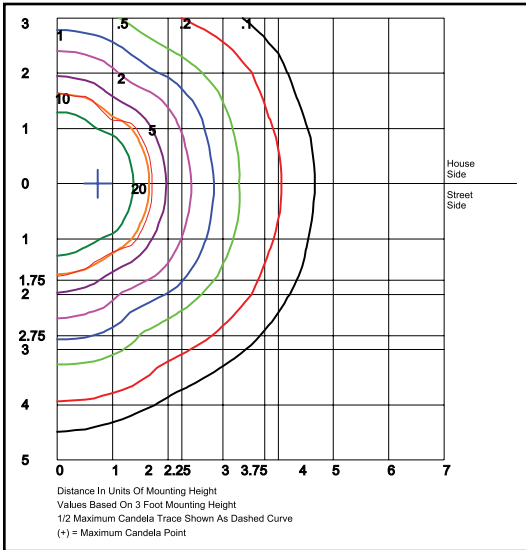
AIBOADP1 Adapter Plate with Gaskets for Outlet Boxes. Fits Atlantic Round Bollards. Die Cast with Bronze Powdercoat Finish.



AIP17121

AIBOADP1

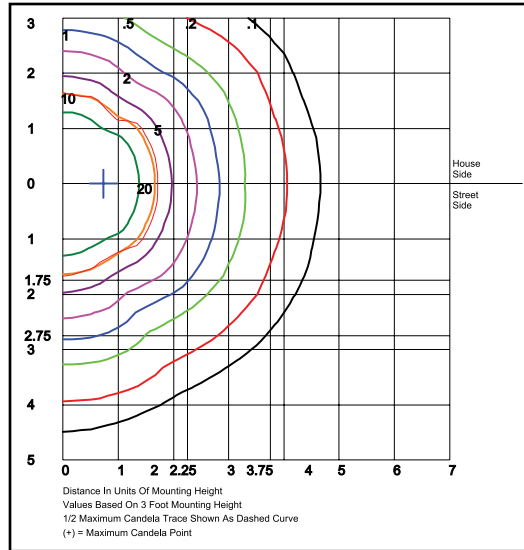
**Photometric Data**



AIAFRB20QF1X125U5KL

Type V

Grid in feet, Mounting Height=3.5ft



AIAFSB20QF1X125U5KL

Type V

Grid in feet, Mounting Height=3.5ft

## Photometric Performance

Wattage (Catalog Logic)		12W (1X12)	17W (1X17)	25W (1X25)
Input Watts		12.9W	18.1W	27.1W
Optic	CCT	Delivered Lumens		
<b>AIAFRB20Q &amp; AIAFSB20Q Type V Optic</b>	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	
<b>AIAFRB20 L70 Lumen Maintenance @ 25°C / 77°F</b>	18	1.00	0.96	0.92	0.84	187,000
<b>AIAFRB20 L70 Lumen Maintenance @ 50°C / 122°F</b>		1.00	0.93	0.87	0.73	113,000
<b>AIAFRB20 L80 Lumen Maintenance @ 40°C / 104°F</b>		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.