

LED Full Cutoff Bollard

L70
25°C **147,000 Hours**



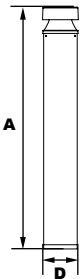
Shown with "S3" Sensor



Shown with GFCI

AIB50QF
Full Cutoff Bollard
with 360° Distribution

AIB5HQF
Full Cutoff Bollard
with 180° Shield



Dimensions

Diameter (D)	4 3/4" (120mm)
Height (A)	40 1/2" (1019mm)

The Atlantic LED Full Cutoff 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:

Extruded Aluminum Housing with Flush Mounting Base, Flat Top. Bollards Can Be Cut to Custom Lengths Upon Request.

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.

Styles:

360° Light Distribution, 120° Shield or 180° Shield

Lens:

Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

Mounting Options:

Mounting Kit with 8" Zinc-Plated Anchor Bolts, Included.

LED:

Aluminum Boards

Wattage:

360° Arrays: 12w & 16.6w, System: 12.9w & 18.9w
180° & 120° Arrays: 10w & 15.5w, System: 11.2w & 17w; (70w HID Equivalent)

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 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 2 for Projected Lumen Maintenance Table.

Order Information Example:

AIB50QF1X17U4KCZ30SP

	U		C			
Model	Driver	CCT	Lens	Color	Height	Options
AIB50QF1X12 =Full Cutoff Bollard - 360°, 12w AIB50QF1X17 =Full Cutoff Bollard - 360°, 17w AIB5TQF1X10 =Full Cutoff Bollard with 120° Shield, 10w AIB5TQF1X16 =Full Cutoff Bollard with 120° Shield, 16w AIB5HQF1X10 =Full Cutoff Bollard with 180° Shield, 10w AIB5HQF1X16 =Full Cutoff Bollard with 180° Shield, 16w	U =120-277V	3K =3000K 4K =4000K 5K =5000K	C =Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens	Z =Bronze B =Black C =Custom (Consult Factory)	(Leave Blank) = 40 1/2" Standard Height 30 =30" Height	SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only) SP =Surge Protection GF1 =GFCI Outlet, 15A, 120V S3 =Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See AIP17121 Spec Page for Details.

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:



Accessories & Replacement Parts:



AIBREBASE*



AIP17122



AIP17121



AIBOADP1

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)

Accessories (Order Separately, Field Installed)

AIP17122 Remote Programming Tool for AIP17121

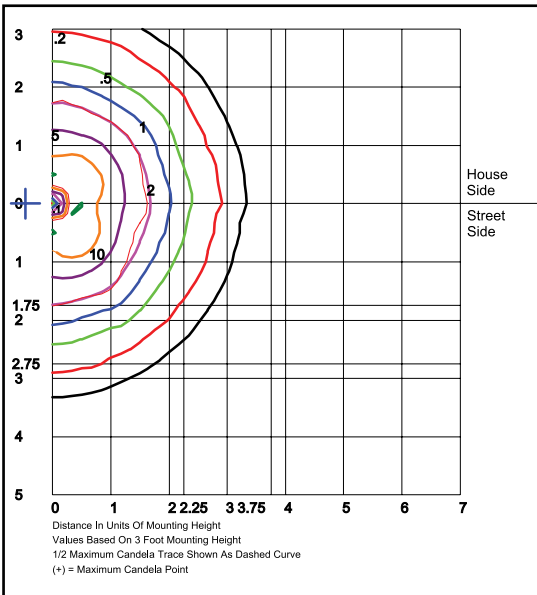
Replacement Parts (Order Separately, Field Installed)

AIP17121 Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See AIP17121 Spec Page for Details.

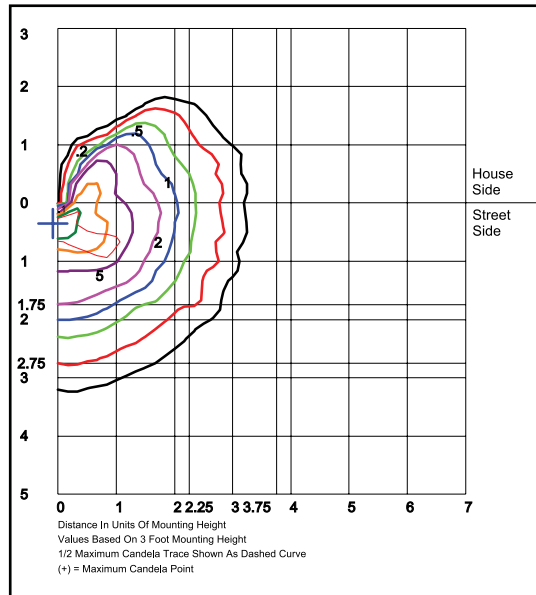
AIBOADP1 Adapter Plate with Gaskets for Outlet Boxes. Fits Atlantic Round Bollards. Die Cast with Bronze Powdercoat Finish.

*Shown Mounted

Photometric Data



AIB50QF1X17U5K
360° Open - Clear Glass Lens
Grid in feet, Mounting Height = 3 ft.



AIB5HQF1X16U5K
180° Shield - Clear Glass Lens
Grid in feet, Mounting Height = 3 ft.

Photometric Performance

Optic	Wattage (Catalog Logic)		Delivered Lumens	
	12W (1X12)	17W (1X17)	CCT	Delivered Lumens
360° AIB50 Models F=Type V Optic	Input Watts	12.9W	18.1W	
	3000K	479	671	
	4000K	520	728	
	5000K	541	758	
	BUG Rating	B0-U1-G0	B1-U2-G0	

Optic	Wattage (Catalog Logic)		Delivered Lumens	
	10W (1X10)	16W (1X16)	CCT	Delivered Lumens
180° AIB5H Models F=Type V Optic	Input Watts	11.2W	17W	
	3000K	338	508	
	4000K	352	528	
	5000K	366	549	
	BUG Rating	B0-U1-G0	B0-U1-G0	

Projected Lumen Maintenance

Data shown for 4000 CCT TM-21-11	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 19w	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 525mA 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.