

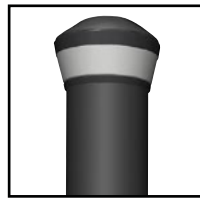
Round & Square LED Bollards

L70
25°C **187,000 Hours**

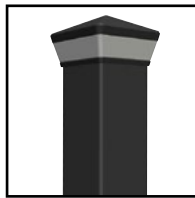


AIB1Q - Round Flat Top (Clear Lens)

AIB2Q - Square Flat Top (LumaLens)



AIB1BQ - Round Dome Top



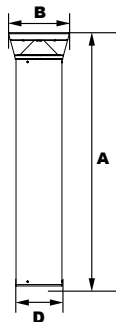
AIB2CQ - Square Pyramid Top



Shown with "S3" Sensor



Shown with GFCI



Dimensions

Width (B)	9 1/4" (234mm)
Diameter (D)	7" (180mm)
Height (A)	Flat Top: 35 3/4" (908mm) Dome Top: 38 1/8" (968mm) Pyramid Top: 38 3/8" (968mm)

The Atlantic AIB1Q and AIB2Q LED Bollard 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 & Vandal-Resistant Screws, Flat, Dome or Pyramid Tops, Internal Driver Tray for Easy Maintenance.

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.

Reflector:

Reflective White UV-Stabilized Polycarbonate Cone Reflector

Lens:

Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens.

Mounting Options:

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

LED:

Aluminum Boards

Wattage:

Array: 16w, System: 17.7w (up to 70w HID equivalent)
Array: 23w, System: 24.8w (up to 70w HID equivalent)
Array: 34w, System: 37.2w (up to 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 -20°C to +40°C Environment.

See Page 4 for Projected Lumen Maintenance Table.

Project Information:

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

Certification & Listings:



Order Information Example:		AIB2CQF1X34U4KCZ30SF						
Model	Optic	Wattage	Driver	CCT	Lens	Color	Height	Options
AIB1Q =Round Bollard, Flat Top AIB1BQ =Round Bollard, Dome Top AIB2Q =Square Bollard, Flat Top AIB2CQ =Square Bollard, Pyramid Top	F =Wide Beam Spread	1X16 =16w 1X23 =23w 1X34 =34w	U =120-277V C =347V* H =347-480V♦ *23w Model Only ♦34w Model Only	3K =3000K 4K =4000K	C =Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens	Z =Bronze B =Black C =Custom (Consult Factory)	(Leave Blank) =34 3/4" Standard Height 30 =30" Height	SF =Single Fuse* DF =Double Fuse* SP =Surge Protection GF1 =GFCI Outlet, 15A, 120V S3 =Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See AIP17121 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)	
AIBOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Zinc-Plated Anchor Bolts
AIBOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Zinc-Plated Anchor Bolts
AIBOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Zinc-Plated Anchor Bolts
AIBOLAN15	Mounting Kit, Includes Bracket & Three (3) 15" Zinc-Plated Anchor Bolts
AIBREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all Atlantic Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11 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



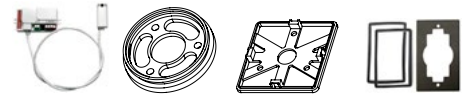
AIP17122

Replacement Parts (Order Separately, Field Installed)	
AIP17121	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See AIP17121 Spec. Page for Details.
AIBORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits AIB1.
AIBOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits AIB2.
AIBOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits Atlantic Round Bollards. Die Cast with Bronze Powdercoat Finish.
*Specify Color: Z=Bronze, B=Black	
For Replacement Battery Backup, see the Atlantic LED Battery Backup Specification Sheet.	



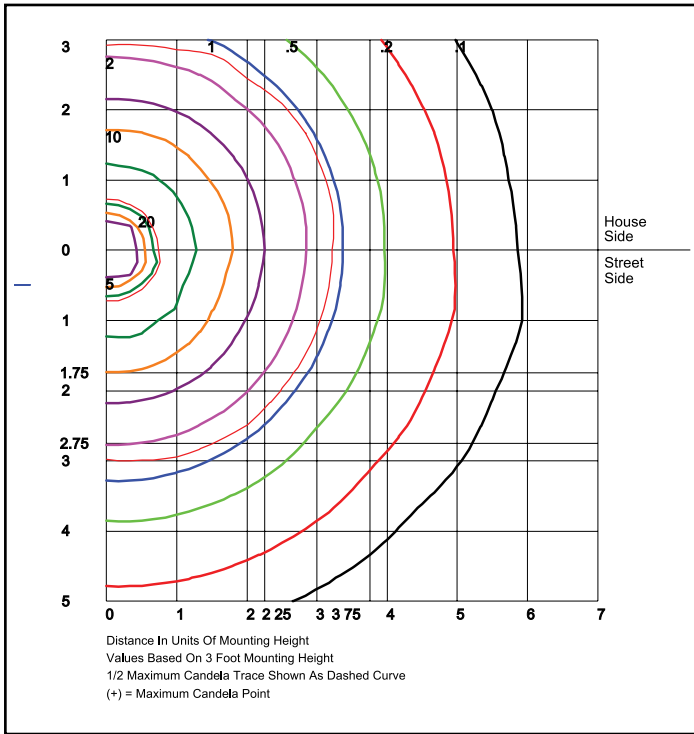
AIBOLAN AIBREBASE*

*Shown Mounted



AIP17121 AIBORBASE AIBOSBASE AIBOADP1

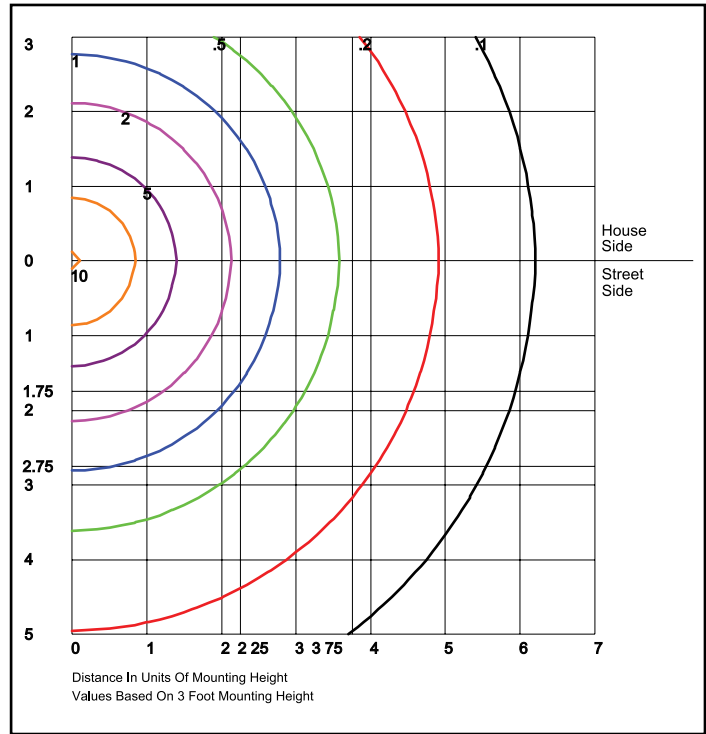
Photometric Data



AIB1QF1X34U4KC & AIB1BQF1X34U4KC

Type V, Clear Lens

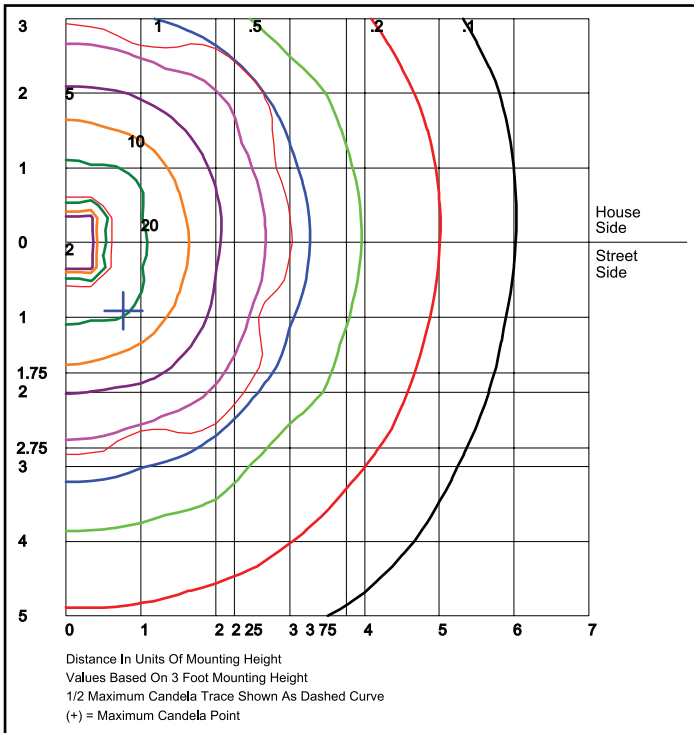
Grid in feet, Mounting Height = 3 ft.



AIB1QF1X34U4KL & AIB1BQF1X34U4KL

Type V, LumaLens

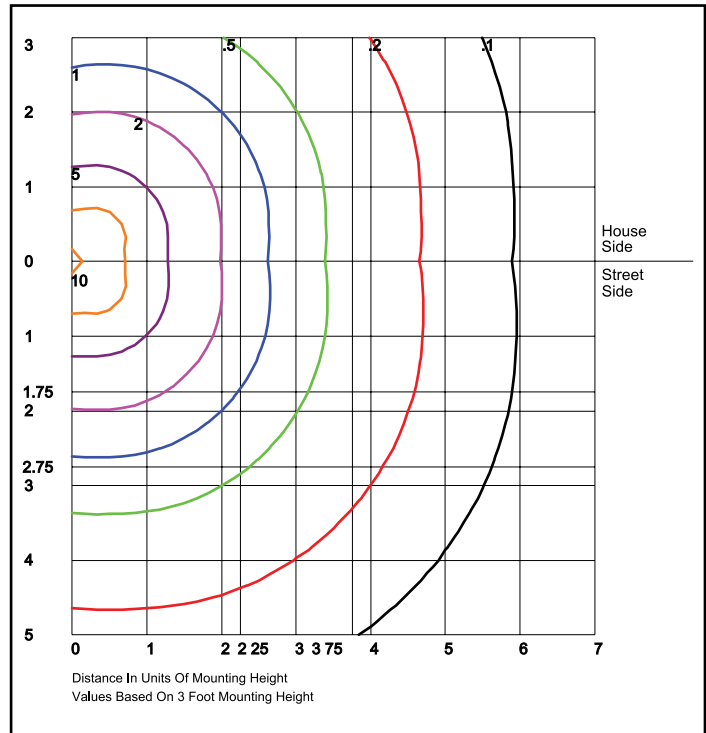
Grid in feet, Mounting Height = 3 ft.



AIB2QF1X34U4KC & AIB2CQF1X34U4KC

Type V, Clear Lens

Grid in feet, Mounting Height = 3 ft.



AIB2QF1X34U4KL & AIB2CQF1X34U4KL

Type V, LumaLens

Grid in feet, Mounting Height = 3 ft.

Photometric Performance

Optic	Wattage (Catalog Logic)	16W (1X16)	23W (1X23)	34W (1X34)
	Input Watts	17.7W	24.8W	37.2W
Optic	CCT	Delivered Lumens		
AIB1 with Clear Polycarbonate F=Type V Optic	3000K	1,406	1,968	2,952
	4000K	1,525	2,135	3,202
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
AIB1 with LumaLens F=Type V Optic	3000K	899	1,258	1,888
	4000K	975	1,365	2,047
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U4-G2

Optic	Wattage (Catalog Logic)	16W (1X16)	23W (1X23)	34W (1X34)
	Input Watts	17.7W	24.8W	37.2W
Optic	CCT	Delivered Lumens		
AIB2 with Clear Polycarbonate F=Type V Optic	3000K	1,432	2,005	3,008
	4000K	1,554	2,175	3,263
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U4-G2
AIB2 with LumaLens F=Type V Optic	3000K	864	1,210	1,816
	4000K	938	1,313	1,969
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U4-G2

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	
AIB1/AIB2 L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 34w	1.00	0.96	0.92	0.84	187,000
AIB1/AIB2 L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.87	0.73	113,000
AIB1/AIB2 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.