

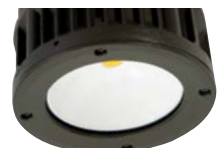
**AIFB1C3**  
**2Gen LED Pendant**

**L70**  
25°C

**89,000 Hours**



Shown with "A" 70°, Medium Optic with Stem. (Stem Not Included)



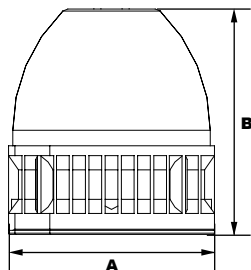
Shown with "B" 100° Wide Optic Installed.



Shown with "D" 30° Narrow Optic Installed.

**Dimensions**

<b>Height (B)</b>	6 1/4" (160mm)
<b>Diameter (A)</b>	5 3/4" (146mm)



The Atlantic AIFB1 2Gen LED Pendant luminaire is available with three optical outputs designed to replace HID lighting systems up to 100w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting up to heights of 12 feet based on light level and uniformity requirements.

**Specifications and Features:**

**Housing:**

Die-Cast Gasketed Aluminum Housing and Front Frame with Integral Heat-Dissipating Fins for Thermal Management. Nickel-Plated Stainless Steel Hardware.

**Listing & Ratings:**

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750  
IP66 Sealed LED Compartment.

**Finish:**

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

**Lens:**

Tempered Clear Flat Glass Lens.

**Mounting Options:**

Mount with Pendant Mount with 1/2" Conduit (Not Included).

**COB LED:**

Cool Copper COB

**Wattage:**

20w COB: 20w, System: 21w; (100w 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.

**Warranty:**

5-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

**Order Information Example:** AIFB1BC31X20U41KZSP

<b>AIFB1</b>		<b>1X20</b>	<b>U</b>			
<b>Model</b>	<b>Optics</b>	<b>Wattage</b>	<b>Driver</b>	<b>CCT</b>	<b>Color</b>	<b>Options</b>
AIFB1=2Gen LED Pendant	AC3=NEMA 6H x 6V BC3=NEMA 6H x 6V DC3=NEMA 4H x 4V  *See Page 2 for Distribution Information.	1X20=20w	U=120-277V	41K=4100K	Z=Bronze C=Custom (Consult Factory)	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection  *120-277V Models Only.

**Project Information:**

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

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

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

**Certification & Listings:**



### Accessories & Replacement Parts:



AICPRC1



AICPSPR



AICPSPS

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

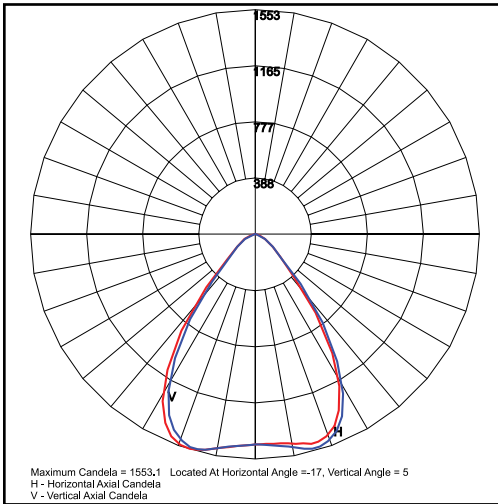
AICPRC1 Backplate, 1/2" Coin Plugs

#### Mounting Accessories (Order Separately, Field Installed)

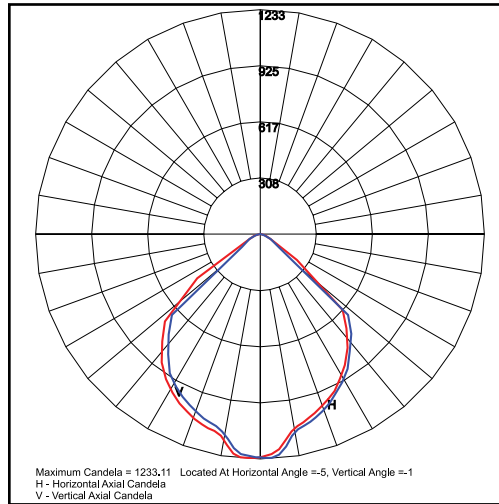
AICPSPR Swivel Pendant Mount - Round, for Angled or Straight Ceilings, Fits 3/4" Conduit, Includes Reducer Bushing (to 1/2") & Set Screw

AICPSPS Swivel Pendant Mount - Square, for Angled or Straight Ceilings, Fits 3/4" Conduit, Includes Reducer Bushing (to 1/2") & Set Screw

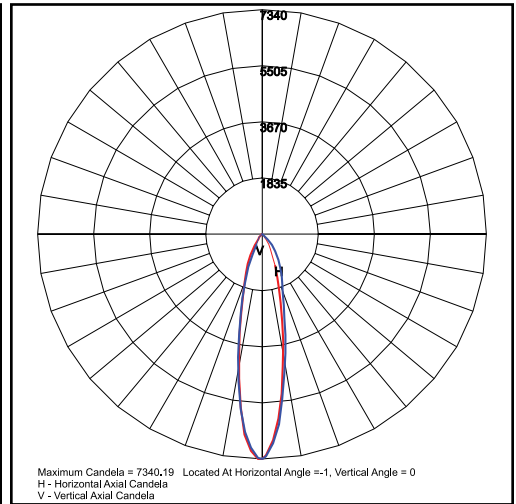
### Photometric Data



**AIFB1AC31X20U5K**  
70°H x 70°V Beam, NEMA 6H x 6V



**AIFB1BC31X20U5K**  
100°H x 100°V Beam, NEMA 6H x 6V



**AIFB1DC31X20U5K**  
25°H x 25°V Beam, NEMA 4H x 4V

### Photometric Performance

LED COB Watts	Drive Current (mA)	Input Watts	Optic	Beam	4100 CCT 80 CRI	
					Lumens	LPW
COB LED 21w	525	21	A 70°, Medium Optic	70°H x 70°V, NEMA 6H x 6V	2,372	113
			B 100°, Wide Optic	100°H x 100°V, NEMA 6H x 6V	2,336	111
			D 30°, Narrow Optic	25°H x 25°V, NEMA 4H x 4V	2,326	111

### Projected Lumen Maintenance

Data shown for 4100 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	21	1.00	0.92	0.83	0.66	89,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	21	1.00	0.90	0.81	0.62	78,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	21	1.00	0.93	0.86	0.72	72,000

**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.