

AIFB1C3

L70
25°C

89,000 Hours

2Gen LED Bullet Flood



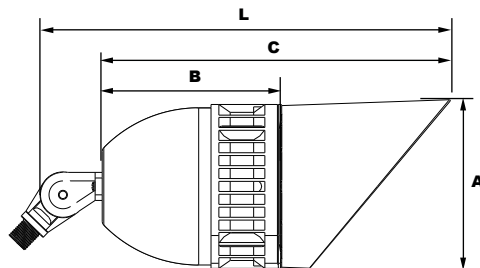
12V
AVAILABLE



Shown with "B"
100° Wide Optic
Installed.



Shown with "D"
30° Narrow Optic
Installed.



Dimensions

Length (B)	6¼" (160mm)
Length with Visor (C)	12¼" (310mm)
Length with Visor & Mount (L)	14¾" (365mm)
Diameter (A)	5¾" (150mm)

Order Information Example: AIFB1BC31X20U41KZKNP

AIFB1		1X20				KN	
Model	Optics	Wattage	Driver	CCT	Color	Mounting	Options
AIFB1=2Gen LED Bullet Flood	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 V=12V	41K=4100K	Z=Bronze C=Custom (Consult Factory)	KN=½" NPS Knuckle	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection* *Not Available on 12V Model. †120-277V Models Only.

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:



The Atlantic AIFB1 2Gen LED Bullet Flood luminaire is available with a knuckle mounting feature and is designed with three optical outputs 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 can be accomplished using ground attachment accessories and 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:

Adjustable Knuckle with ½" NPS Threads.

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.
12V: Electronic Driver, 12-17VAC Input, 50/60Hz, Non-Dimmable

Warranty:

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

See Page 2 for Projected Lumen Maintenance Table.

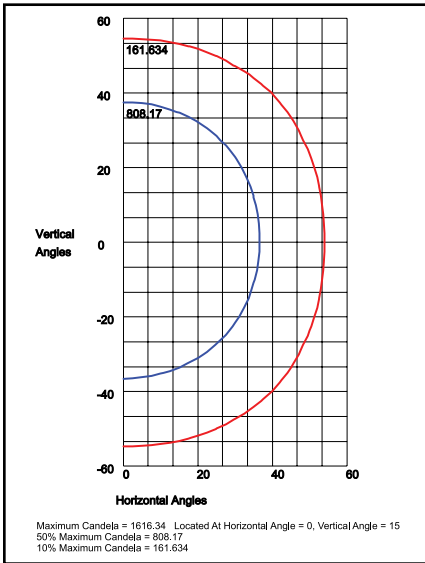
Accessories & Replacement Parts:



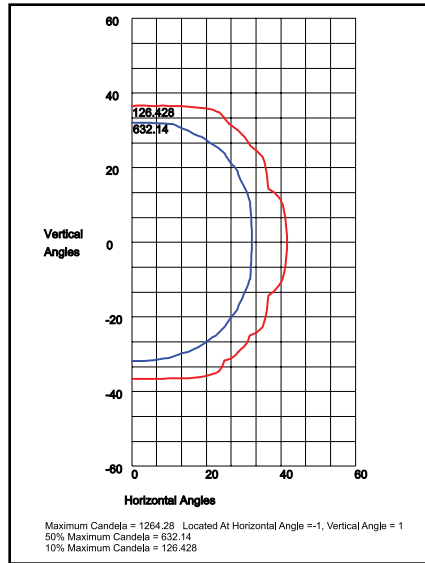
AIFB1VZ*

*Shown Mounted

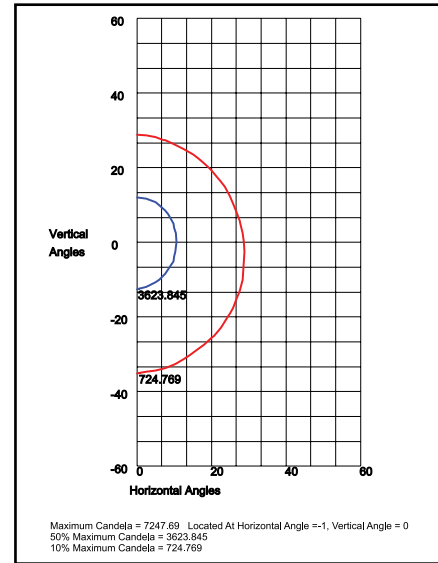
Photometric Data



AIFB1AC31X20U41K
70°H x 70°V Beam, NEMA 6H x 6V



AIFB1BC31X20U41K
100°H x 100°V Beam, NEMA 6H x 6V



AIFB1DC31X20U41K
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.

Specifications subject to change without notice. Rev. 072519