

FB1C3 Astra LED Pendant



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

The DuraGuard FB1 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:

DuraGuard COB

WATTAGE:

20w COB: 20w, System: 21w; (100w HID Equivalent)

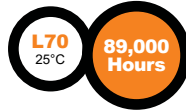
DRIVER:

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.

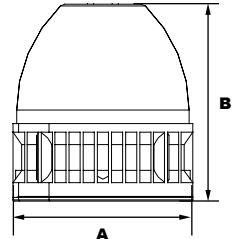
See Page 2 for Projected Lumen Maintenance Table



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

Dimensions

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



DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example:FB1BC31X20U41KZSP

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FB1	1X20	U	41K			
Model	Optics	Wattage	Driver	CCT	Color	Options
FB1=Astra LED Pendant		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.
	AC3=NEMA 6H x 6V BC3=NEMA 6H x 6V DC3=NEMA 4H x 4V					
	*See Page 2 for Distribution Information.					



DesignLights Consortium™
Qualified Luminaires:
FB1AC31X20U41K***
FB1BC31X20U41K***
FB1DC31X20U41K***



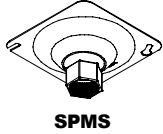
Specifications subject to change without notice.

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Accessories (Order Separately, Field Installed)	
CPRC1	Backplate, 1/2" Coin Plugs

Mounting Accessories (Order Separately, Field Installed)	
SPMR	Swivel Pendant Mount - Round, for Angled or Straight Ceilings, Fits 3/4" Conduit, Includes Reducer Bushing (to 1/2") & Set Screw
SPMS	Swivel Pendant Mount - Square, or Angled or Straight Ceilings, Fits 3/4" Conduit, Includes Reducer Bushing (to 1/2") & Set Screw



PHOTOMETRIC PERFORMANCE

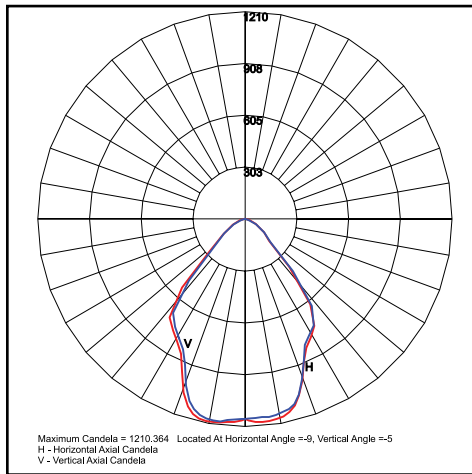
LED Board Watts	Drive Current (mA)	Input Watts	Optic	Beam	4100 CCT 80 CRI	
					Lumens	LPW
COB LED 21w	525	21	A 70°, Medium Optic	70°H x 70°V, NEMA 6H x 6V	2,372	113
		21	B 100°, Wide Optic	100°H x 100°V, NEMA 6H x 6V	2,336	111
		21	D 30°, Narrow Optic	25°H x 25°V, NEMA 4H x 4V	2,326	111

PROJECTED LUMEN MAINTENANCE

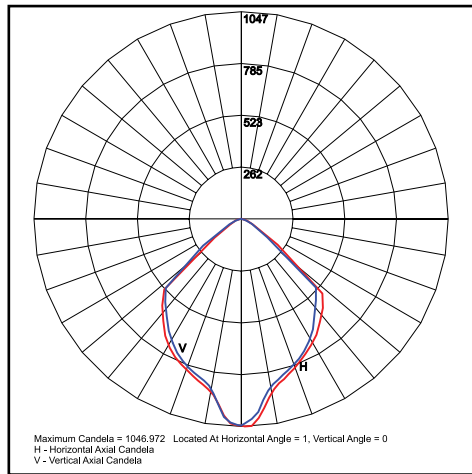
Data shown for 4100 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	21	1.00	0.92	0.83	0.66	89,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 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.

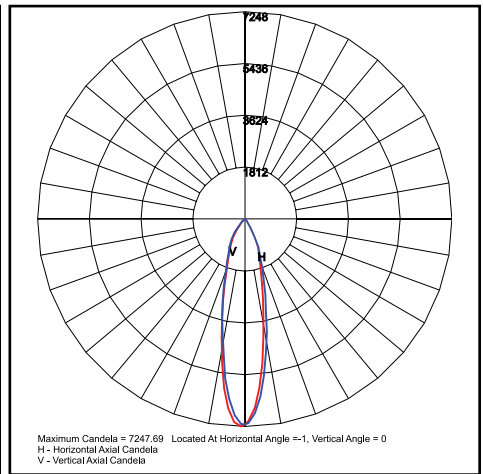
PHOTOMETRIC DATA



FB1AC31X20U41K
 70°H x 70°V Beam, NEMA 6H x 6V



FB1BC31X20U41K
 100°H x 100°V Beam, NEMA 6H x 6V



FB1DC31X20U41K
 25°H x 25°V Beam, NEMA 4H x 4V