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Gooseneck LEDlights

FB1C3

L70
25°C

89,000 Hours

Turbine C³ LED Bullet Flood Light with Gooseneck Arm

The LEPG FB1 Gooseneck LEDlight flood luminaire is available with 5 Gooseneck arms of various lengths and is 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. Designed for architectural wall mounting up to heights of 20 feet based on light level and uniformity requirements.

FB1C3 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:

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

Lens:

Tempered Clear Flat Glass Lens.

Mounting:

Adjustable Knuckle with 1/2" NPS Threads.

COB LED:

QSSI 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 3 for Projected Lumen Maintenance Table.



FB1C3 Shown with GNA01336 Arm and Custom Color

Dimensions

Base Length (B1)	8" (203mm)
Base Height (B2)	8" (203mm)
Length (A)	37" (939mm)
Height (C)	21" (535mm)

See Page 2 for Fixture and Arm Dimensions

Step 1: Select FB1C3 Luminaire

Order Information Example:

FB1BC31X20U41KGNKSP

FB1		1X20	U	41K		GNK	
Model	Optic	Wattage	Driver	CCT	Color	Mounting	Options
FB1=Turbine C ³ LED Bullet	AC3=NEMA 6H x 6V BC3=NEMA 6H x 6V DC3=NEMA 4H x 4V *See Page 3 for Distribution Information.	1X20=20w	U=120-277V	41K=4100K	B=Black, RAL9011 P=Platinum, RAL9006 R=Red, RAL3020 W=White, RAL9016 C=Custom (Consult Factory)	GNK=1/2" NPS Knuckle with Fittings and 72" of Wire for Arm Feed Through to Wall Box.	SF=Single Fuse DF=Double Fuse SP=Surge Protection



Step 2: Select Arm

Order Information Example:

GNA01336CS

Model	Length	Color	Mounting
GNA013 - Classic Hook	36=36" 30=30"	B=Black, RAL9011 P=Platinum, RAL9006 R=Red, RAL3020 W=White, RAL9016 C=Custom (Consult Factory)	S=Square Oversized Wall Mount R=Round Wall Mount N=No Wall Mount
GNA023 - Straight	30=30" 24=24" 18=18" 12=12"		
GNA033 - Straight Offset	30=30" 24=24"		
GNA043 - Straight Rise	30=30"		
GNA053 - Round Hook	30=30" 24=24" 18=18"		

Gooseneck Arm Specifications and Features:

Construction:

Heavy-Duty 3/4" Aluminum Arms with 3/4" NPS Threads on Fixture Mounting End.

Finish:

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

Mounting Options:

Mount with 3/4" Square or Round Mounting Plates.

Specification Guide:

FB1C3 Fixture + Arm = Complete Unit

Project Information:

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

Certification & Listings:



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



Specifications subject to change without notice. Rev. 080718

Phone: 888-454-4480
info@warehouse-lighting.com

Accessories & Replacement Parts



FB1V*

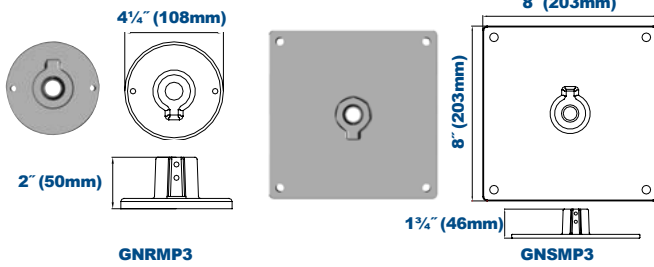
*Shown Mounted

Accessories (Order Separately, Field Installed)

FB1V* Die-Cast Rotatable Visor, Powdercoat Finish.

*Specify Color: B=Black, P=Platinum, R=Red, W=White, C=Custom (Consult Factory)

Wall Plate Dimensions



Replacement Wall Plates (Order Separately, Field Installed)

GNRMP3* Round Wall Mount Plate, Powdercoat Finish.

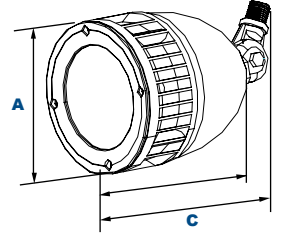
GNSMP3* Square Oversized Wall Mount Plate, Powdercoat Finish.

*Specify Color: B=Black, P=Platinum, R=Red, W=White, C=Custom (Consult Factory)

FB1C3 Dimensions



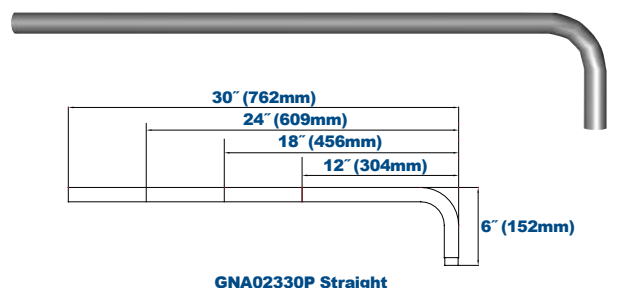
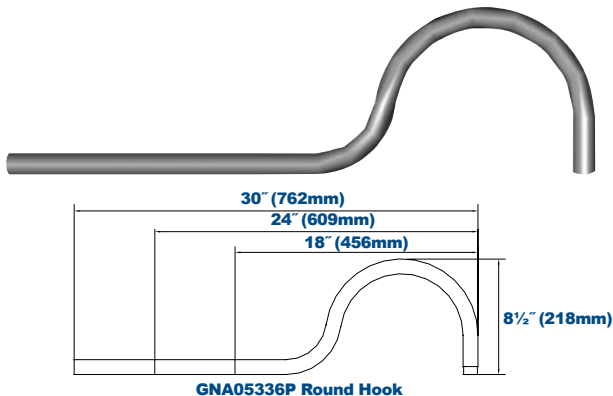
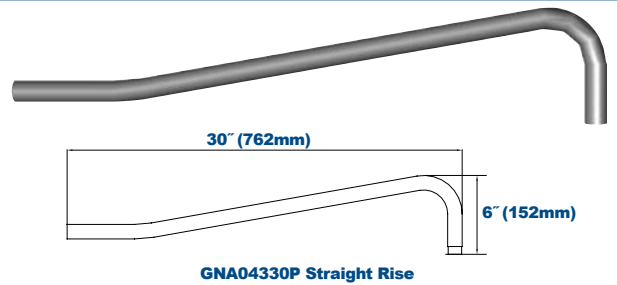
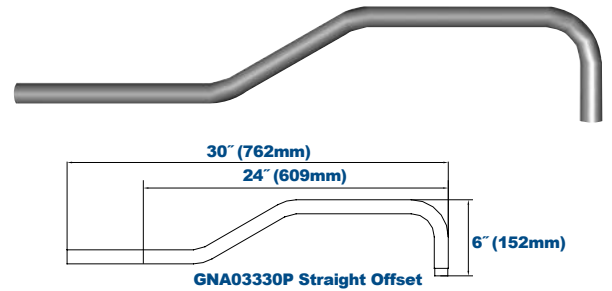
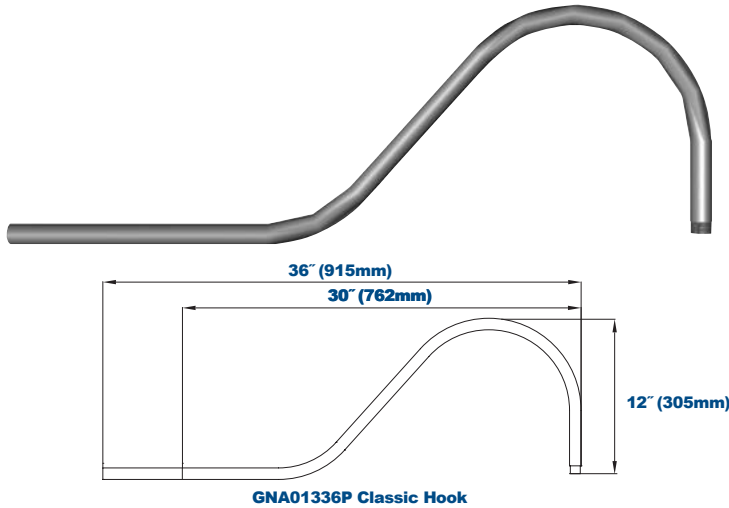
Turbine C³ LED
Bullet Flood Light



Dimensions

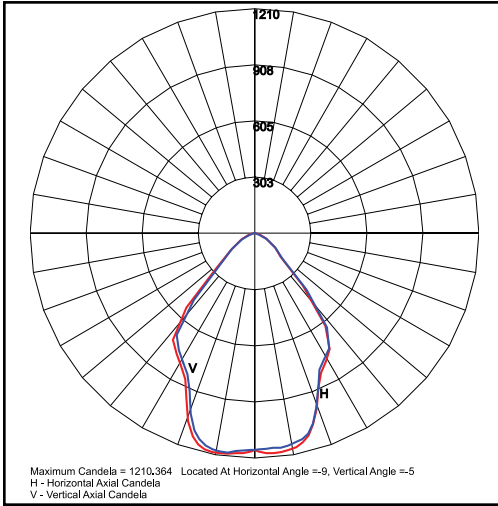
Width (D)	6 1/4" (160mm)
Length (C)	9 1/4" (235mm)
Diameter (A)	5 3/4" (146mm)

Gooseneck Dimensions

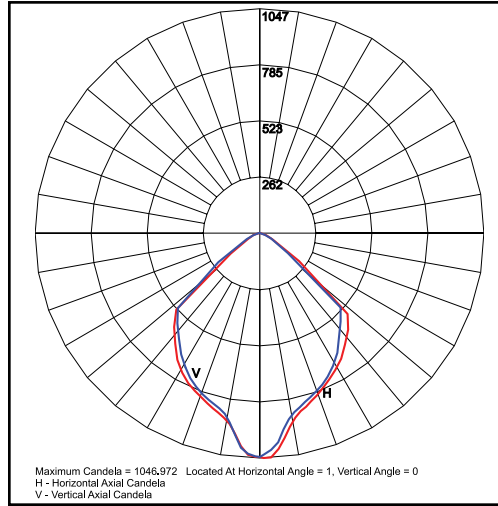


Specifications subject to change without notice. Rev. 020818

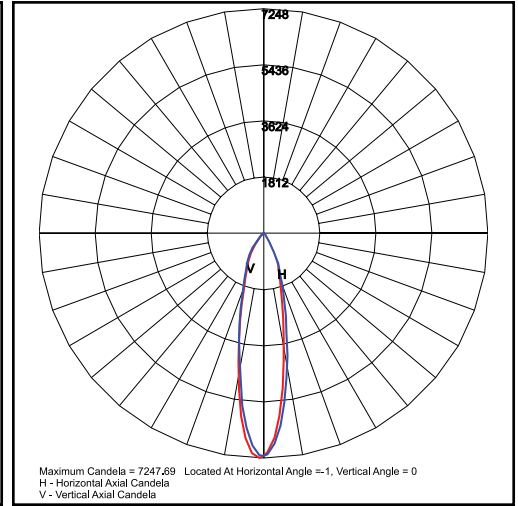
Photometric Data



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

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
		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 6H x 6V	2,326	111

Projected Lumen Maintenance

Data shown for 5000 CCT	Input Watts	Compare to MH				
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
TM-21-11	21	1.00	0.92	0.83	0.66	89,000
L70 Lumen Maintenance @ 25°C / 77°F						
TM-21-11	21	1.00	0.90	0.81	0.62	78,000
L70 Lumen Maintenance @ 50°C / 122°F						
TM-21-11	21	1.00	0.93	0.86	0.72	72,000
L80 Lumen Maintenance @ 40°C / 104°F						

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.