

Spec Grade
PROlite LED Lighting™

A Division of Emergensee® Lighting, Inc.



Job Name: _____

Type: _____

Part #: _____

Notes: _____

PFL20L

LED Small Flood Light with Gooseneck Arm



The LEPG PFL20 Gooseneck LED light flood luminaire is available with 5 Gooseneck arms of various lengths and is designed to replace HID lighting systems up to 70w 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.

Specifications and Features:

Housing:

Die Cast Aluminum Housing and Front Frame with Separate Ballast Compartment. Integral Heat-Dissipating Fins for Thermal Management. 1/2" Threaded Aperture with Liquid-Tight Connector.

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:

Clear Flat Glass Lens.

Mounting:

Adjustable Knuckle with 1/2" NPS Threads.

COB LED:

LED COB

Wattage:

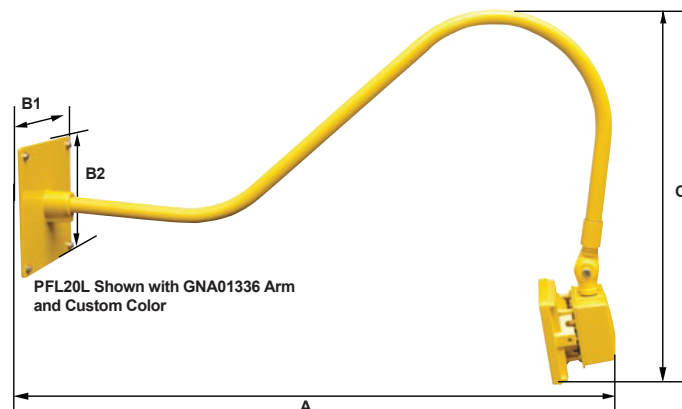
ED: 1 x 18w; System: 21w (70w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz; Less Than 20% HD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source rent is 150 Microamps.

Warranty:

5-Year Warranty for -30 to 50°C Environment.



Dimensions

Base Length (B1)	8" (203mm)
Base Height (B2)	8" (203mm)
Length (A)	37" (939mm)
Height (C)	19 3/4" (400mm)

Step 1: Select AFL20L Luminaire

Order Information:

Model	Wattage	Driver	CCT	Color	Mounting
PFL20L	1X18=18w	U=120-277V			
PFL20L=	1X18=18w	U=120-277V	4K=4000K 5K=5000K	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.
Small LED Flood					

Step 2: Select Arm

Order Information:

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.

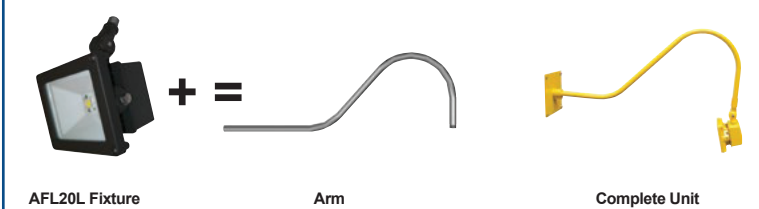
Finish:

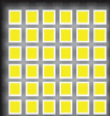
Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Mounting Options:

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

Specification Guide:





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Accessories & Replacement Parts



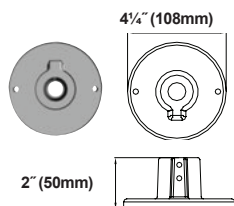
FL20GTF*

Accessories (Order Separately, Field Installed)

FL20GTF* Aluminum Glare Shield, Powdercoat Finish, Includes Hardware

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

Wall Plate Dimensions



4 1/4" (108mm)

2" (50mm)

GNRMP3



8" (203mm)

8" (203mm)

1 1/4" (46mm)

GNSMP3

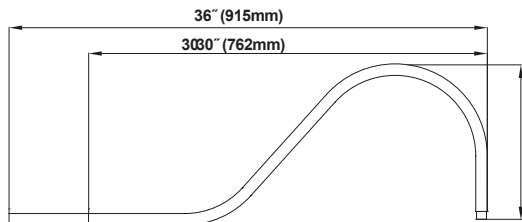
Replacement Wall Plates (Order Separately, Field Installed)

GNRMP3* Round Wall Mount Plate, Powdercoat Finish.

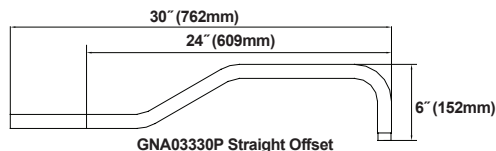
GNSMP3* Square Oversized Wall Mount Plate, Powdercoat Finish.

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

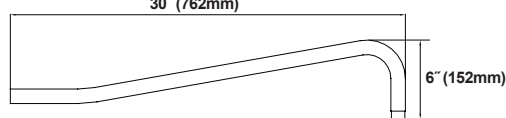
Gooseneck Dimensions



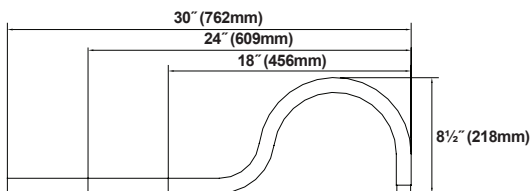
GNA01336P Classic Hook



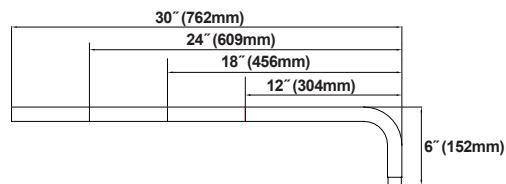
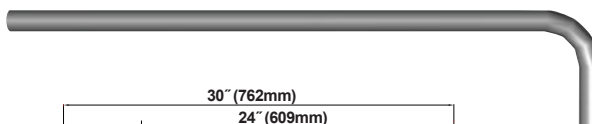
GNA03330P Straight Offset



GNA04330P Straight Rise



GNA05336P Round Hook

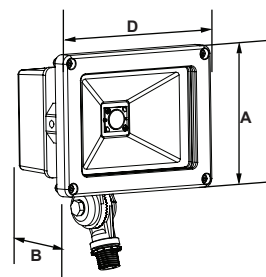


GNA02330P Straight

PFL20L Dimensions:

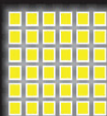


LED Small Flood

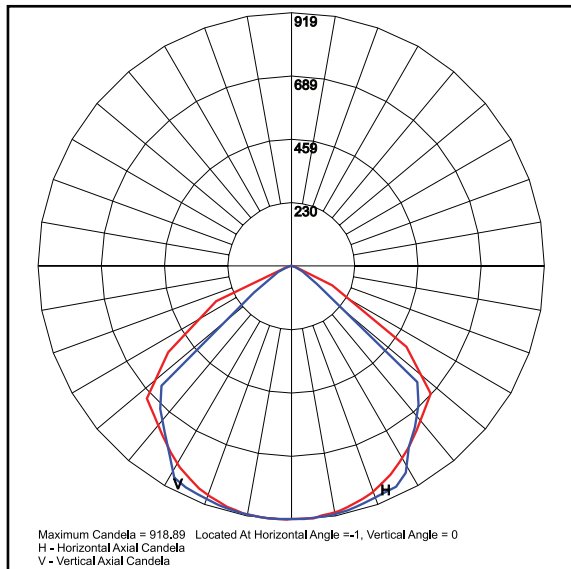


Dimensions

Width (D)	9 1/2" (240mm)
Length (B)	11 1/4" (299mm)
Height (A)	3 3/4" (92mm)



Photometric Data



PFL20L1X18U5K
115°H x 100°V, NEMA 7H x 6V

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Beam	5000 CCT 80 CRI		4000 CCT 80 CRI	
				Lumens	LPW	Lumens	LPW
COB LED 18w	525	21	115°H x 100°V, NEMA 7H x 6V	2,324	111	2,300	110

Projected Lumen Maintenance

Data shown for 5000 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	0.94	0.88	0.77	128,000	
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	0.92	0.83	0.66	89,000	
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	71,000	

NOTES:

- 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.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.