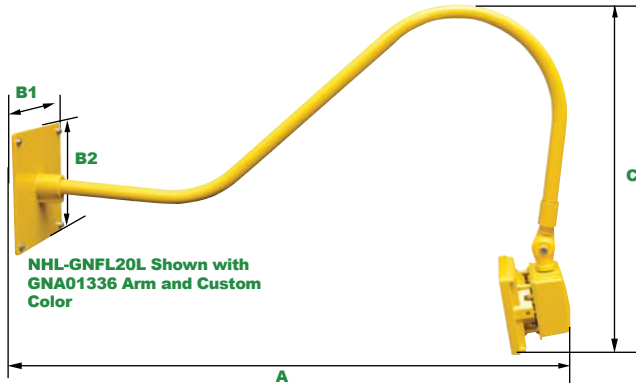


NHL-GNFL20L

L70
25°C **128,000 Hours**

LED Small Flood Light with Gooseneck Arm

The NHL-GNFL20L Gooseneck LEDlight 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.



FL20L 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:

LED: 1 x 18w; System: 21w (70w 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 -30 to 50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

Dimensions

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

**See Page 2 for
Fixture and Arm
Dimensions**

Step 1:

Order Information Example:

NHL-GNFL20L-18W-50K-UNV-C-GNK

NHL-GNFL20L	18		U		GNK
Model	Wattage	CCT	Voltage	Color	Mounting
NHL-GNFL20L= Small LED Flood	18W=18w	40K=4000K 50K=5000K	UNV=120-277V	B=Black, RAL9011 P=Platinum, RAL9006 R=Red, RAL3020 W=White, RAL9016 CC=Custom (Consult Factory)	GNK=1/2" NPS Knuckle with Fittings and 72" of Wire for Arm Feed Through to Wall Box.

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 CC=Custom (Consult Factory)	S=Square Oversized Wall Mount R=Round 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.

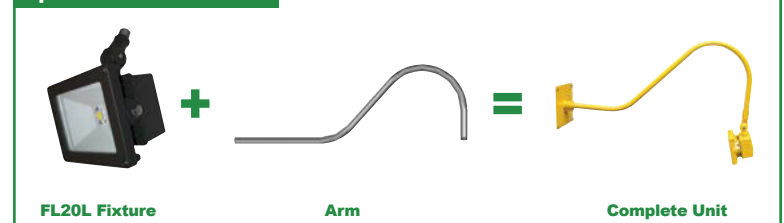
Finish:

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:



Project Information:

Project Name:

Fixture Type:

Complete Catalog #:

Date:

Comments:

Certification & Listings:



Specifications subject to change without notice. Rev. 080818

Accessories & Replacement Parts



FL20GTF*

Accessories (Order Separately, Field Installed)

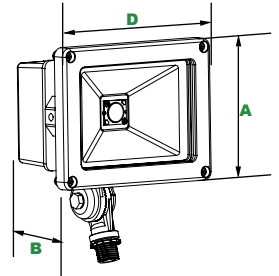
FL20GTF* Aluminum Glare Shield, Powdercoat Finish, Includes Hardware

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

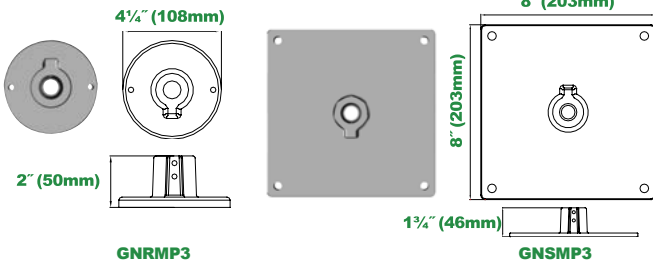
FL20L Dimensions:



LED Small Flood



Wall Plate Dimensions



Replacement Wall Plates (Order Separately, Field Installed)

GNRMP3* Round Wall Mount Plate, Powdercoat Finish.

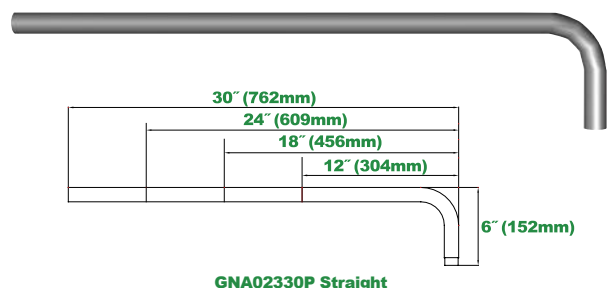
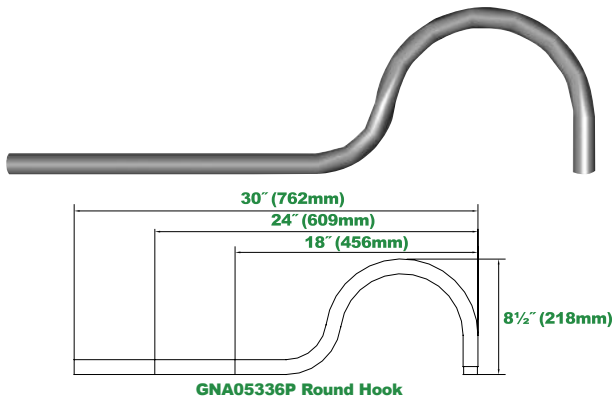
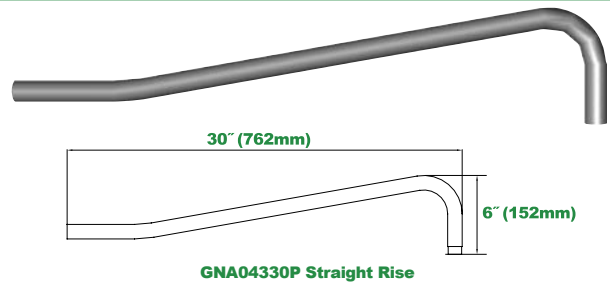
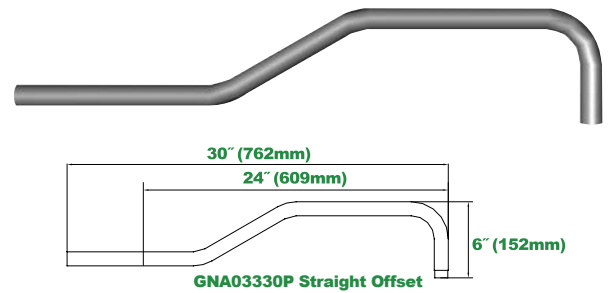
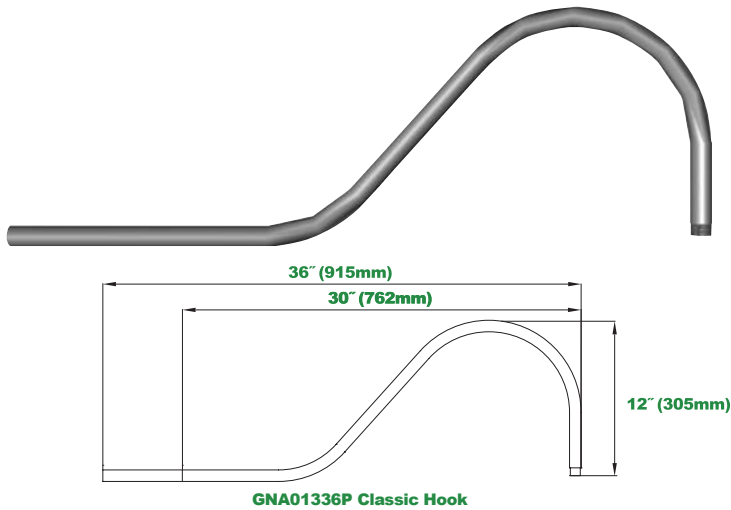
GNSMP3* Square Oversized Wall Mount Plate, Powdercoat Finish.

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

Dimensions

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

Gooseneck Dimensions



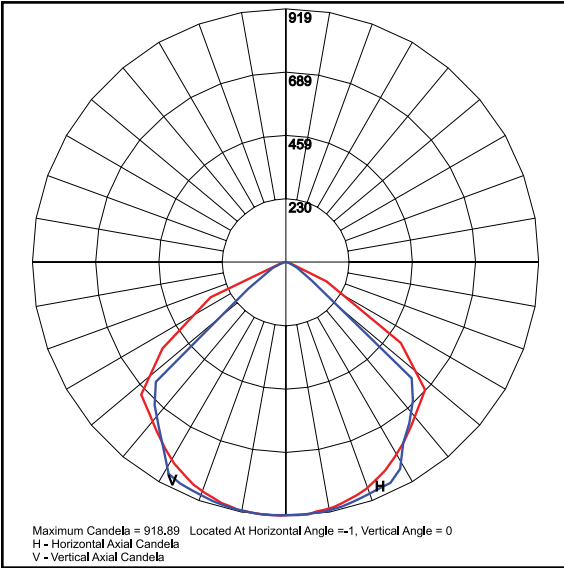
Specifications subject to change without notice. Rev. 101717



Gooseneck LEDlights

NHL-GNFL20L LED Small Flood Light with Gooseneck Arm

Photometric Data



NHL-GNFL20L-18W-50K-UNV
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
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	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	0.94	0.88	0.77	128,000
L70 Lumen Maintenance @ 25°C / 77°F						
TM-21-11	21	1.00	0.92	0.83	0.66	89,000
L70 Lumen Maintenance @ 50°C / 122°F						
TM-21-11	21	1.00	0.93	0.86	0.72	71,000
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.

Specifications subject to change without notice. Rev. 083118