



## NHL-GNFB1

**L70**  
25°C **89,000 Hours**

### Turbine C<sup>3</sup> LED Bullet Flood Light with Gooseneck Arm

The NHL-GNFB1 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.

#### NHL-GNFB1 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.



#### 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 NHL-GNFB1

#### Order Information Example:

NHL-GNFB1-BC3-20W-41K-UNV-CC-GNK-SP

NHL-GNFB1		20	41K	U		GNK	
Model	Optic	Wattage	CCT	Voltage	Color	Mounting	Options
NHL-GNFB1= Turbine C <sup>3</sup> LED Bullet	AC3=NEMA 6H x 6V BC3=NEMA 6H x 6V DC3=NEMA 4H x 4V  *See Page 3 for Distribution Information.	20W=20w	41K=4100K	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.	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 CC=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:

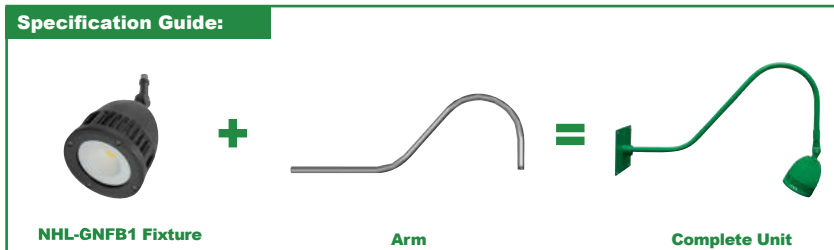
Heavy-Duty 3/4" Aluminum Arms with 3/4" NPS Threads on Fixture Mounting End.

##### Finish:

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

##### Mounting Options:

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



#### Project Information:

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_  
 Complete Catalog #: \_\_\_\_\_ Date: \_\_\_\_\_  
 Comments: \_\_\_\_\_

#### Certification & Listings:



Specifications subject to change without notice. Rev. 080718

# Gooseneck LEDlights

## NHL-GNFB1 Turbine C<sup>3</sup> LED Bullet Flood Light with Gooseneck Arm

### Accessories & Replacement Parts



FB1V\*

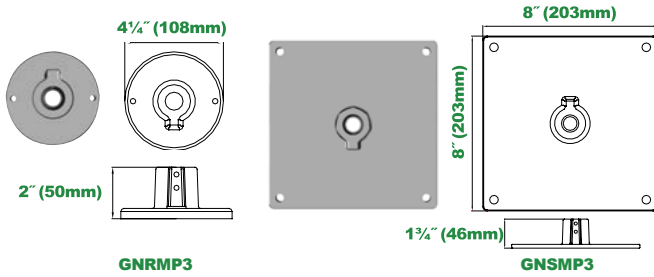
\*Shown Mounted

#### 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.

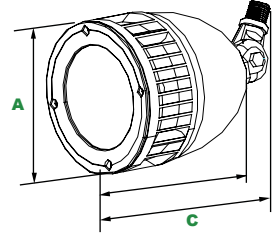
GNSMP3\* Square Oversized Wall Mount Plate, Powdercoat Finish.

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

### FB1C3 Dimensions



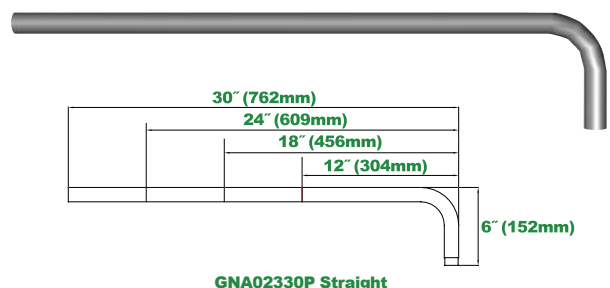
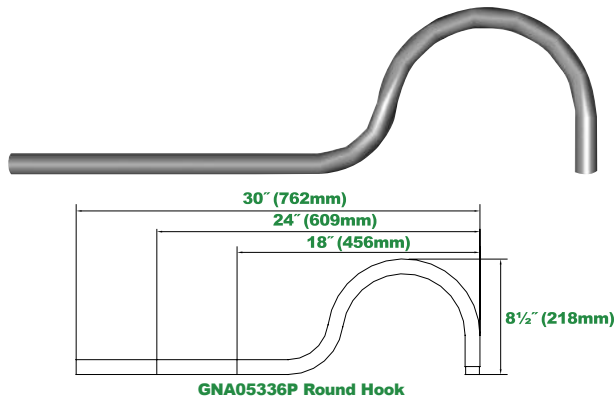
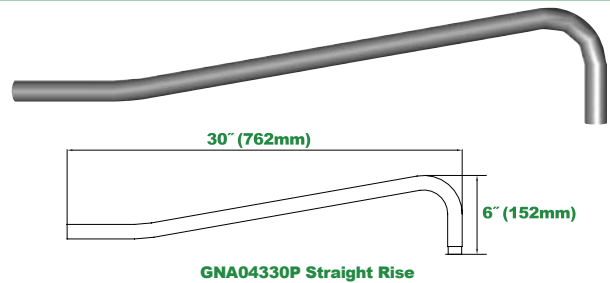
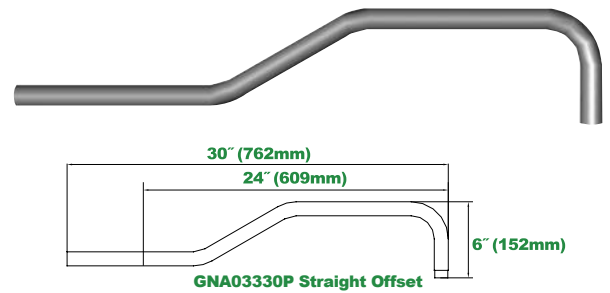
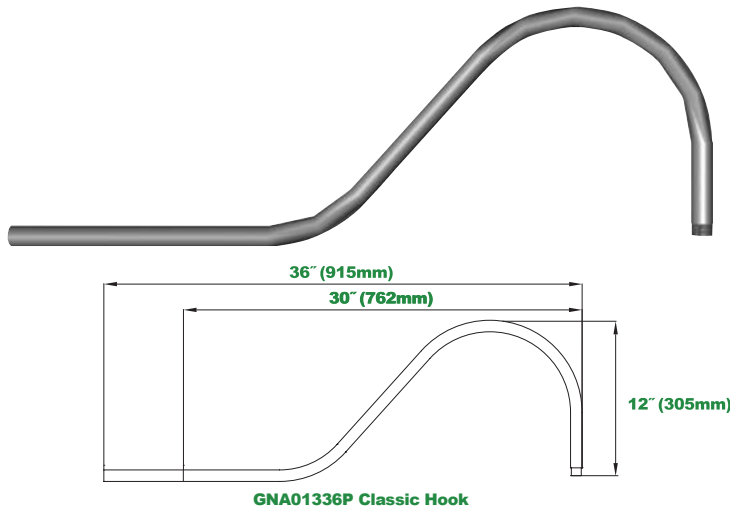
Turbine C<sup>3</sup> LED  
Bullet Flood Light



### Dimensions

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

### Gooseneck Dimensions

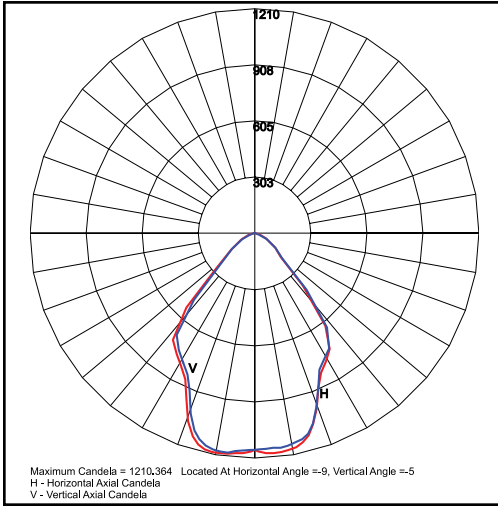


Specifications subject to change without notice. Rev. 020818

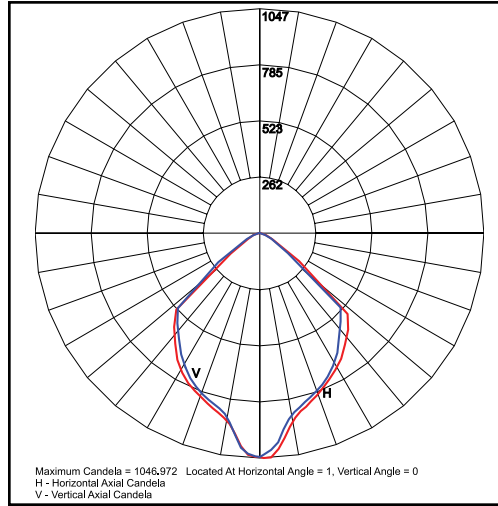
# Gooseneck LEDlights

## NHL-GNFB1 Turbine C<sup>3</sup> LED Bullet Flood Light with Gooseneck Arm

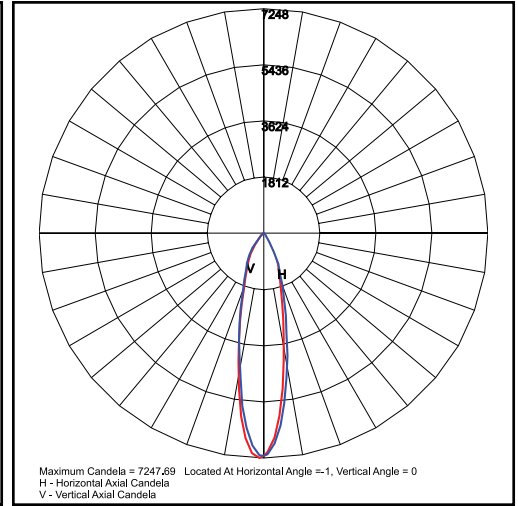
### Photometric Data



**NHL-GNFB1-AC3-20W-41K-UNV**  
 70°H x 70°V Beam, NEMA 6H x 6V



**NHL-GNFB1-BC3-20W-41K-UNV**  
 100°H x 100°V Beam, NEMA 6H x 6V



**NHL-GNFB1-DC3-20W-41K-UNV**  
 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
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.