INCON LIGHTING
BUY AMERICAN COMPLIANT

8002GN
LED Bullet Flood Light with Gooseneck Arm

EasyLED Technology
L70 25° **89,000 Hours**

The Incon 8002GN Gooseneck LED 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.

8002 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:
ETL: 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 ½″ NPS Threads.

COB LED:
Incon 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 4 for Projected Lumen Maintenance Table.

Gooseneck Arm Specifications and Features:

Construction:
Heavy-Duty ¾″ Aluminum Arms with ¾″ NPS Threads on Fixture Mounting End.

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

Mounting Options:
Mount with ¾″ Square or Round Mounting Plates.

8002 Shown with GNA01336 Arm and Custom Color

Shown with "B" 100° Wide Optic Installed.

Shown with "D" 30° Narrow Optic Installed.

Dimensions

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

See Page 3 for Fixture and Arm Dimensions

Project Information:

Project Name:

Fixture Type:

Complete Catalog #:

Date:

Comments:

Certification & Listings:

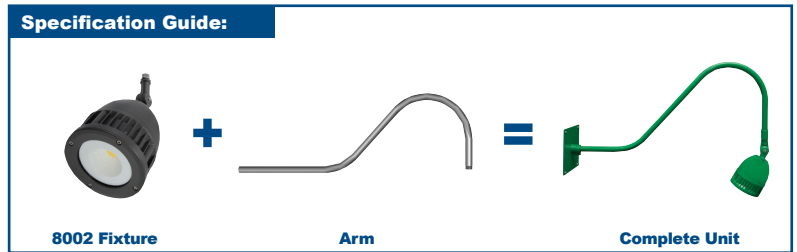For more information visit our website at **inconlighting.com/8002GN**
Ph: 800-393-5630   E: sales@inconlighting.com

Specifications subject to change without notice.   Rev. 021125

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Step 1: Select 8002 Luminaire

Order Information Example:		8002BC31X20U41KCGNKSP					
		1X20	**U**	**41K**		**GNK**	
Model	**Optic**	**Wattage**	**Driver**	**CCT**	**Color**	**Mounting**	**Options**
8002=Turbine C³ LED Bullet	AC3=NEMA 6H x 6V BC3=NEMA 6H x 6V DC3=NEMA 4H x 4V *See Page 4 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=½″ NPS Knuckle with Fittings and 72″ of Wire for Arm Feed Through to Wall Box.	SF=Single Fusev* DF=Double Fuse* SP=Surge Protection *120-277V Models Only.

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″		

Specification Guide:

8002 Fixture + Arm = Complete Unit

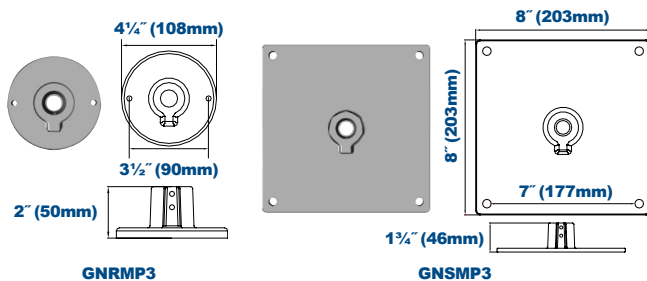## Accessories & Replacement Parts

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

4¼″ (108mm)
3½″ (90mm)
2″ (50mm)
GNRMP3

8″ (203mm)
8″ (203mm)
7″ (177mm)
1¾″ (46mm)
GNSMP3

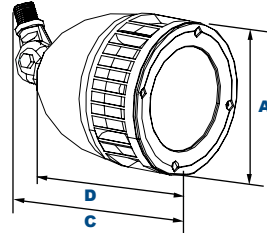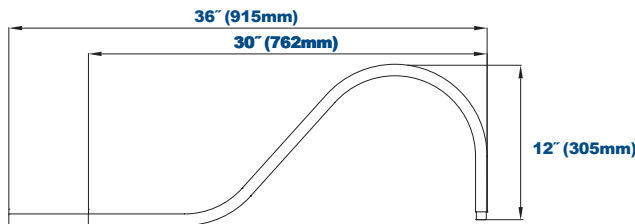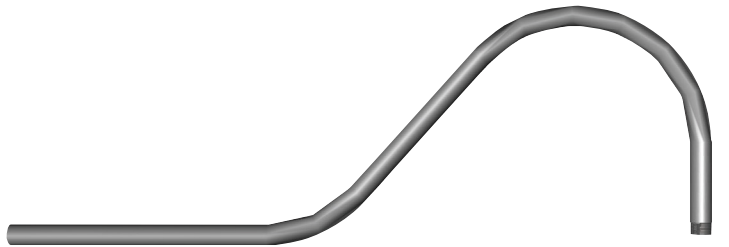| Replacement Wall Plates (Order Separately, Field Installed)	
GNRMP3*	Round Wall Mount Plate, Powdercoat Finish.
GNSMP3*	Square Oversized Wall Mount Plate, Powdercoat Finish.
*Specify Color: B=Black, P=Platinum, R=Red, W=White, C=Custom (Consult Factory)	

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8002 Dimensions

Dimensions	
Width (D)	6¼˝ (160mm)
Length (C)	9¼˝ (235mm)
Diameter (A)	5¾˝ (146mm)

Turbine C³ LED Bullet Flood Light

Gooseneck Dimensions

36˝ (915mm)
30˝ (762mm)
12˝ (305mm)
GNA01336P Classic Hook

30˝ (762mm)
24˝ (609mm)
18˝ (456mm)
8½˝ (218mm)
GNA05336P Round Hook
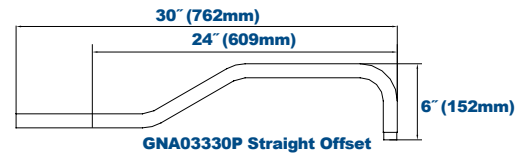
30˝ (762mm)
24˝ (609mm)
6˝ (152mm)
GNA03330P Straight Offset
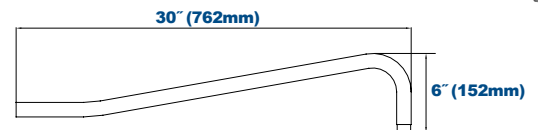
30˝ (762mm)
6˝ (152mm)
GNA04330P Straight Rise

30˝ (762mm)
24˝ (609mm)
18˝ (456mm)
12˝ (304mm)
6˝ (152mm)
GNA02330P Straight

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Photometric Data
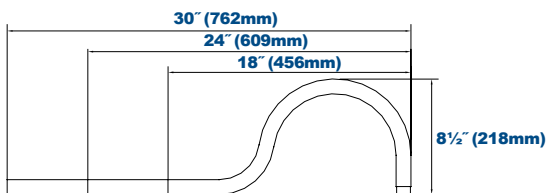
Maximum Candela = 1210.364   Located At Horizontal Angle =-9, Vertical Angle =-5
H - Horizontal Axial Candela
V - Vertical Axial Candela
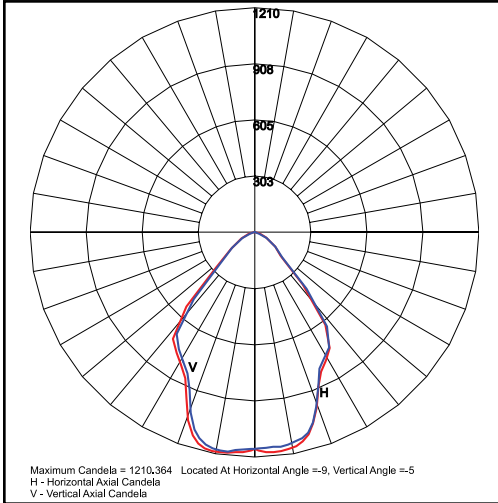
8002AC31X20U41K
70°H x 70°V Beam, NEMA 6H x 6V

Maximum Candela = 1046.972   Located At Horizontal Angle = 1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela
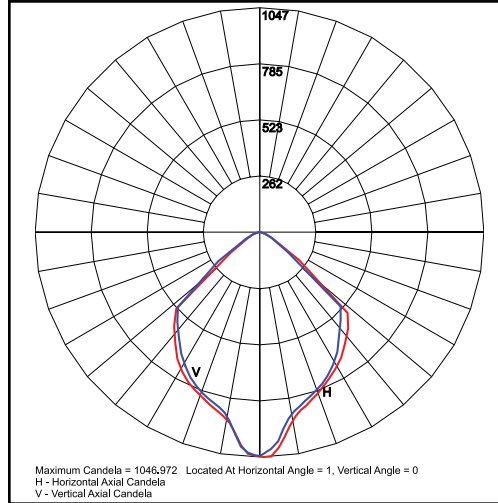
8002BC31X20U41K
100°H x 100°V Beam, NEMA 6H x 6V

Maximum Candela = 7247.69   Located At Horizontal Angle =-1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela
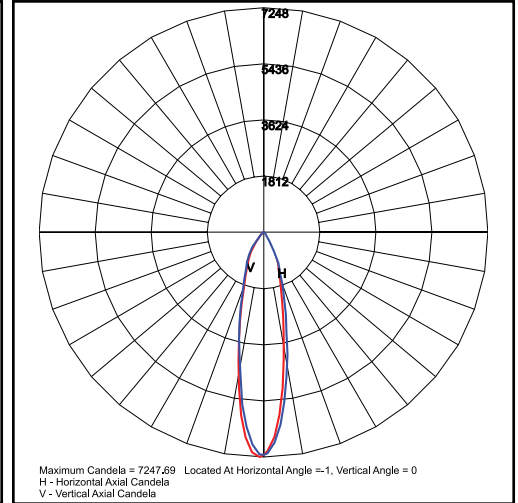
8002DC31X20U41K
25°H x 25°V Beam, NEMA 4H x 4V

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 4100 CCT TM-21-11	Input Watts	Initial	Compare to MH 25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	21	1.00	0.92	0.83	0.66	89,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.90	0.81	0.62	78,000
L80 Lumen Maintenance @ 40°C / 104°F		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 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.

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