NHL-GNFB1

Turbine C³ LED Bullet Flood Light with Gooseneck Arm

The NHL-GNFB1 Gooseneck LED Light 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:**

**Listing & Ratings:**
CSA: Listed for Wet Locations, ANSI/UL 1598, E750 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.

**Gooseneck Arm Specifications and Features:**

**Construction:**
Heavy-Duty ¼” Aluminum Arms with ¼” NPS Threads on Fixture Mounting End.

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

**Mounting Options:**
Mount with ¼” Square or Round Mounting Plates.

**Specifications Guide:**

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**Project Information:**

**Certification & Listings:**

New Horizon Lighting products reduce operating costs while delivering high efficiency lighting. NHL products are built in the USA and are available or through leading national distributors.

www.newhorizonlighting.com

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**New Horizon Lighting**
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9 Gladney Avenue
Bayville, New Jersey 08721
Gooseneck LEDlights

NHL-GNFB1 Turbine C³ LED Bullet Flood Light with Gooseneck Arm

### Accessories & Replacement Parts

**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)

**FB1C3 Dimensions**

**Turbine C³ LED Bullet Flood Light**

### Wall Plate Dimensions

- **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)**: 6¼" (160mm)
- **Length (C)**: 9¼" (235mm)
- **Diameter (A)**: 5¼" (146mm)

### Gooseneck Dimensions

- **GNA01336P Classic Hook**
- **GNA02330P Straight**
- **GNA03330P Straight Offset**
- **GNA04330P Straight Rise**
- **GNA05336P Round Hook**

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**Photometric Data**

- **Turbine C³ LED Bullet Flood Light**
- **NHL-GNFB1**
- **with Gooseneck Arm**

**Photometric Performance**

<table>
<thead>
<tr>
<th>LED COB Watts</th>
<th>Drive Current (mA)</th>
<th>Input Watts</th>
<th>Optic</th>
<th>Beam</th>
<th>Lumens</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED 21w</td>
<td>525</td>
<td>21 A</td>
<td>70°, Medium Optic</td>
<td>70°H x 70°V, NEMA 6H x 6V</td>
<td>2,372</td>
<td>113</td>
</tr>
<tr>
<td></td>
<td></td>
<td>21 B</td>
<td>100°, Wide Optic</td>
<td>100°H x 100°V, NEMA 6H x 6V</td>
<td>2,336</td>
<td>111</td>
</tr>
<tr>
<td></td>
<td></td>
<td>21 D</td>
<td>30°, Narrow Optic</td>
<td>25°H x 25°V, NEMA 6H x 6V</td>
<td>2,326</td>
<td>111</td>
</tr>
</tbody>
</table>

**Projected Lumen Maintenance**

<table>
<thead>
<tr>
<th>Data shown for 5000 CCT</th>
<th>Input Watts</th>
<th>Compare to MH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L70 Lumen Maintenance @ 25°C / 77°F</strong></td>
<td>Initial 1.00</td>
<td>25,000 Hrs 0.92, 50,000 Hrs 0.83, 100,000 Hrs 0.66, Calculated L70@ 25°C 89,000</td>
</tr>
<tr>
<td><strong>L70 Lumen Maintenance @ 50°C / 122°F</strong></td>
<td>Initial 1.00</td>
<td>25,000 Hrs 0.90, 50,000 Hrs 0.81, 100,000 Hrs 0.62, Calculated L70@ 50°C 78,000</td>
</tr>
<tr>
<td><strong>L80 Lumen Maintenance @ 40°C / 104°F</strong></td>
<td>Initial 1.00</td>
<td>25,000 Hrs 0.93, 50,000 Hrs 0.86, 100,000 Hrs 0.72, Calculated L80@ 40°C 72,000</td>
</tr>
</tbody>
</table>

**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.

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