**NHL-GNFL20L**

**LED Small Flood Light with Gooseneck Arm**

The NHL-GNFL20L Gooseneck LED light 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:**

**Listing & Ratings:**
CSA Listed for Wet Locations, ANSI/UL 1598, 8750, IP66 Sealed LED Compartment.

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

**Lens:**
Clear Flat Glass Lens.

**Mounting:**
Adjustable Knuckle with ½" NPS Threads.

### Step 1:

**Order Information Example:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Wattage</th>
<th>CCT</th>
<th>Voltage</th>
<th>Color</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHL-GNFL20L</td>
<td>18W</td>
<td>40K</td>
<td>120-277V</td>
<td>Black, RAL9011</td>
<td>GNK=½&quot; NPS Knuckle with Fittings and 72&quot; of Wire for Arm Feed Through to Wall Box.</td>
</tr>
</tbody>
</table>

### Step 2:

**Select Arm**

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Color</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>GNA013 - Classic Hook</td>
<td>36=36&quot; 30=30&quot;</td>
<td>B=Black, RAL9011</td>
<td>S=Square Oversized Wall Mount</td>
</tr>
<tr>
<td>GNA023 - Straight Offset</td>
<td>30=30&quot; 24=24&quot; 18=18&quot; 12=12&quot;</td>
<td>P=Platinum, RAL9006</td>
<td>R=Round Wall Mount</td>
</tr>
<tr>
<td>GNA033 - Straight Offset</td>
<td>30=30&quot;</td>
<td>W=White, RAL9016</td>
<td></td>
</tr>
<tr>
<td>GNA043 - Straight Rise</td>
<td>30=30&quot; 24=24&quot;</td>
<td>C=Custom (Consult Factory)</td>
<td></td>
</tr>
<tr>
<td>GNA053 - Round Hook</td>
<td>30=30&quot; 24=24&quot; 18=18&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Gooseneck Arm Specifications and Features:

**Construction:**
Heavy-Duty ½" Aluminum Arms with ½" 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.

### Specification Guide:

**New Horizon Lighting**

P 732.833.8086  | F 732.833.8085
dr.732.833.8085
9 Gladney Avenue
Bayville, New Jersey 08721

www.newhorizonlighting.com

Specifications subject to change without notice.  | Rev. 080818

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.
**FL20L Dimensions:**

LED Small Flood

**Gooseneck Dimensions:**

- **GNA01336P Classic Hook**
  - Width (D): 30" (762mm)
  - Length (B): 36" (915mm)
  - Height (A): 12" (305mm)

- **GNA05336P Round Hook**
  - Width (D): 30" (762mm)
  - Length (B): 24" (609mm)
  - Height (A): 8½" (218mm)

- **GNA02330P Straight**
  - Width (D): 30" (762mm)
  - Length (B): 18" (456mm)
  - Height (A): 6" (152mm)

- **GNA04330P Straight Rise**
  - Width (D): 30" (762mm)
  - Length (B): 24" (609mm)
  - Height (A): 12" (304mm)

- **GNA03330P Straight Offset**
  - Width (D): 30" (762mm)
  - Length (B): 24" (609mm)
  - Height (A): 6" (152mm)

**Accessories & Replacement Parts**

- **FL20GTF**
  - Gooseneck Arm

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

**Wall Plate Dimensions**

- **GNRMP3**
  - 2" (50mm)
- **GNSMP3**
  - Width (D): 9¾" (248mm)
  - Height (A): 3¼" (82mm)

**Replacement Wall Plates**

- **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)*

**Specifications subject to change without notice.**
Photometric Performance

<table>
<thead>
<tr>
<th>LED Board Watts</th>
<th>Drive Current (mA)</th>
<th>Input Watts</th>
<th>Beam</th>
<th>Lumens</th>
<th>LPW</th>
<th>Lumens</th>
<th>LPW</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED 18w</td>
<td>525</td>
<td>21</td>
<td>115° H x 100° V, NEMA 7H x 6V</td>
<td>2,324</td>
<td>111</td>
<td>2,300</td>
<td>110</td>
</tr>
</tbody>
</table>

Projected Lumen Maintenance

<table>
<thead>
<tr>
<th>Data shown for 5000 CCT</th>
<th>Compare to MH</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM-21-11</td>
<td></td>
</tr>
<tr>
<td>Input Watts</td>
<td>Initial</td>
</tr>
<tr>
<td>21</td>
<td>1.00</td>
</tr>
<tr>
<td>L70 Lumen Maintenance @ 25°C / 77°F</td>
<td></td>
</tr>
</tbody>
</table>

| TM-21-11                 |               |
| Input Watts              | Initial       | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | L70@ 50°C |
| 21                       | 1.00          | 0.92       | 0.83       | 0.86        | 89,000     |
| L70 Lumen Maintenance @ 50°C / 122°F |

| TM-21-11                 |               |
| Input Watts              | Initial       | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | L80@ 40°C |
| 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.