The NHL-RAR Architectural Enclosed Large Round Post Top is available in a Type V distribution designed to replace HID lighting systems up to 1000w MH or HPS. The fixture mounts to a pole top tenon. Typical area lighting applications include parking areas, walkways, and street lighting applications. Mounting heights of 12 to 30 feet can be used based on light level and uniformity requirements.

**Specifications and Features:**

**Housing:**

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

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

**Lens:**
Clear Polycarbonate Array Lens to Seal LED Array. Prismatic Clear Polycarbonate Vandal-Resistant Outer Conical Lens.

**Mounting Options:**
Accommodates "P3" 2½" O.D. x 3" Tenons

**Wattage:**
- 100w Array: 100w, System: 108w; (150-250w HID Equivalent)
- 176w Array: 176w, System: 190w; (400-1000w HID Equivalent)

**Driver:**
Electronic Driver. 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Then 20% THD and PF>0.9. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

**Controls:**
Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

**Warranty:**
5-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

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### Dimensions

<table>
<thead>
<tr>
<th>Diameter (D)</th>
<th>Height (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26½&quot; (670mm)</td>
<td>19½&quot; (505mm)</td>
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</tbody>
</table>

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### Order Information Example:

<table>
<thead>
<tr>
<th>NHL-RAR</th>
<th>F</th>
<th>C</th>
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<tbody>
<tr>
<td>Model</td>
<td>Optics</td>
<td>Wattage</td>
</tr>
<tr>
<td>NHL-RAR</td>
<td>F=Type V</td>
<td>100W=100w</td>
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</table>

*176w Type V Only

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### Project Information:

<table>
<thead>
<tr>
<th>Project Name:</th>
<th>Fixture Type:</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Complete Catalog #:</th>
<th>Date:</th>
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<tr>
<th>Comments:</th>
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### Certification & Listings:

[UL] [IP66]

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.
Enclosed Large Round Post Top

**Accessories & Replacement Parts:**

- P18131
- P18132
- P18140, P18142
- P18150, P18152
- P18155, P18157
- PF80PC
- P17117

**Replacement Parts (Order Separately, Field Installed):**

- PF80PC Clear Polycarbonate Outer Conical Lens.
- P17117 Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40’. 120-277VAC, 50/60Hz

**Photometric Data**

<table>
<thead>
<tr>
<th>LED Board Watts</th>
<th>Drive Current (mA)</th>
<th>Input Watts</th>
<th>Optics</th>
<th>Lumens</th>
<th>LPW (B)</th>
<th>U</th>
<th>G</th>
<th>Lumens</th>
<th>LPW (B)</th>
<th>U</th>
<th>G</th>
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</thead>
<tbody>
<tr>
<td><strong>5000 CCT 80 CRI</strong></td>
<td></td>
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<td><strong>4000 CCT 80 CRI</strong></td>
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<tr>
<td><strong>3000 CCT 80 CRI</strong></td>
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**Projected Lumen Maintenance**

- **Data shown for 5000 CCT**
  - TM-21-11
    - Input Watts Initial: 190, 1.00, 0.98, 0.96, 0.92, 362,000
  - L70 Lumen Maintenance @ 25°C / 77°F
    - Input Watts Initial: 190, 1.00, 0.96, 0.92, 0.84, 183,000
  - L80 Lumen Maintenance @ 40°C / 104°F
    - Input Watts Initial: 190, 1.00, 0.97, 0.94, 0.88, 167,000

**EPA (Effective Projected Area)**

<table>
<thead>
<tr>
<th>EPA (Sq. Ft.)</th>
<th>Weight (Lbs.)</th>
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</thead>
<tbody>
<tr>
<td>3.20</td>
<td>32 Lbs</td>
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**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.

New Horizon Lighting

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