# LED Headlights – Model 8800 Evolution 2

## PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>12-24V DOT/ECE LED High Beam Heated Headlight with Chrome Bezel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>107.19 mm / 4.22 in</td>
</tr>
<tr>
<td>Width</td>
<td>167.64 mm / 6.6 in</td>
</tr>
<tr>
<td>Depth</td>
<td>84.90 mm / 3.34 in</td>
</tr>
<tr>
<td>Shape</td>
<td>Rectangular</td>
</tr>
<tr>
<td>Outer Lens Material</td>
<td>Hardcoated Polycarbonate</td>
</tr>
<tr>
<td>Outer Lens Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Housing Material</td>
<td>Die-Cast Aluminum</td>
</tr>
<tr>
<td>Housing Color</td>
<td>Black</td>
</tr>
<tr>
<td>Bezel Color</td>
<td>Chrome</td>
</tr>
<tr>
<td>Mounting Type</td>
<td>Low-Profile Panel Mount</td>
</tr>
<tr>
<td>Retrofits</td>
<td>1A1 and 2A1 (4&quot; 1 6&quot;) sealed beams</td>
</tr>
<tr>
<td>Minimum Operating</td>
<td>-40 °C / -40 °F</td>
</tr>
<tr>
<td>Temperature</td>
<td></td>
</tr>
<tr>
<td>Maximum Operating</td>
<td>65 °C / 149 °F</td>
</tr>
<tr>
<td>Temperature</td>
<td></td>
</tr>
<tr>
<td>Connector or Wiring</td>
<td>H4 Connector - AMP (#172615-2)</td>
</tr>
<tr>
<td>Mating Connector</td>
<td>LH Terminal - AMP (#172795-1); RH Terminal - AMP (#172796-1)</td>
</tr>
<tr>
<td>Product Weight</td>
<td>2.00 lbs / 0.91 kgs</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>2.30 lbs / 1.04 kgs</td>
</tr>
</tbody>
</table>
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PRODUCT DIMENSIONS

ELECTRICAL SPECIFICATIONS

- **Input Voltage**: 12-24 V
- **Operating Voltage**: 9-32 V
- **Red Wire**: High Beam
- **Black Wire**: Ground
- **Current Draw**: 3.30A @ 12V, 1.67A @ 24V

REGULATORY STANDARDS COMPLIANCE

- **Buy America Standards**
- **Eco Friendly**
- **IEC IP69K**

- **ECE Reg 112**
- **FMVSS 108 Table XVIII**

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PHOTOMETRIC SPECIFICATIONS

- **Raw Lumen Output**: 2,250
- **Effective Lumen Output**: 898
- **Candela Output**: 73,200
- **Nominal LED Color Temperature**: 5000 K
- **Beam Pattern(s)**: Forward Lighting - High Beam (DOT/ECE)

APPLICATIONS

**SMARTHEAT™ HEATING SYSTEM**

The SmartHeat™ heating system senses ambient temperature and turns the integrated heating system in the lens on & off. This system actually clears ice & snow twice as fast as conventional halogen lamps.

**When does the heater turn on?**
Heater turns on or off according to temperature changes and vehicle power:
- Heater will turn on when temperatures drop, generating enough heat to prevent ice build-up.
- Heater will turn on when powering up, de-icing the light as rapidly as possible.

**When does the heater turn off?**
Heater will turn off when it senses temperatures increase and are above the high temperature threshold.

Learn more about this technology [here](#).
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ACCESSORIES

- **Part Number 3269601**
  - Low Beam Harness for 8800 Evolution 2 Series

- **Part Number 3269611**
  - High Beam Harness for 8800 Evolution 2 Series

RELATED PRODUCTS

- **Part Number 0551371**
  - 12-24V DOT/ECE LED RHT Low Beam Headlight with Chrome Bezel

- **Part Number 0551381**
  - 12-24V DOT/ECE LED High Beam Headlight with Chrome Bezel

- **Part Number 0551391**
  - 12-24V ECE LED LHT Low Beam Headlight with Chrome Bezel

- **Part Number 0551771**
  - 12-24V DOT/ECE LED RHT Low Beam Heated Headlight with Chrome Bezel

- **Part Number 0552091**
  - 12-24V ECE LED LHT Low Beam Heated Headlight with Chrome Bezel

- **Part Number 0552551**
  - 12-24V DOT/ECE LED RHT Low Beam Headlight with Black Bezel

- **Part Number 0552561**
  - 12-24V ECE LED LHT Low Beam Headlight with Black Bezel

- **Part Number 0552571**
  - 12-24V DOT/ECE LED High Beam Headlight with Black Bezel