# LED Headlights – Model 8800 Evolution 2

## PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>12-24V DOT/ECE LED RHT Low Beam Headlight with Black 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>Black</td>
</tr>
<tr>
<td>Mounting Type</td>
<td>Low-Profile Panel Mount</td>
</tr>
<tr>
<td>Retrofits</td>
<td>1A1 and 2A1 (4“ 1 6”) sealed beams</td>
</tr>
<tr>
<td>Minimum Operating Temperature</td>
<td>-40 °C / -40 °F</td>
</tr>
<tr>
<td>Maximum Operating Temperature</td>
<td>65 °C / 149 °F</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>1.83 lbs / 0.83 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

![Diagram of product dimensions]

ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>12-24V DC</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>9-32V DC</td>
</tr>
<tr>
<td>White Wire</td>
<td>Low Beam</td>
</tr>
<tr>
<td>Black Wire</td>
<td>Ground</td>
</tr>
<tr>
<td>Yellow Wire</td>
<td>Low Beam</td>
</tr>
<tr>
<td>Current Draw</td>
<td>2.10A @ 12V DC</td>
</tr>
<tr>
<td></td>
<td>1.00A @ 24V DC</td>
</tr>
</tbody>
</table>

REGULATORY STANDARDS COMPLIANCE

- Made in USA
- ECE
- Eco Friendly
- DOT
- Canada
- IP69K

- Buy America Standards
- ECE Reg 112
- FMVSS 108 s10.1 (Table XIX)
- IEC IP69K

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PHOTOMETRIC SPECIFICATIONS

- **Raw Lumen Output**: 2,830
- **Effective Lumen Output**: 782
- **Candela Output**: 29,800
- **Nominal LED Color Temperature**: 5000 K
- **Beam Pattern(s)**: Forward Lighting - Low Beam (DOT), Forward Lighting - Low Beam (ECE Right Hand)

APPLICATIONS

- **Agriculture**
- **Automotive**
- **Construction**
- **Industrial**
- **Material**
- **Mining**
- **Motorcycle**
- **Off-Road 4x4**
- **Power Sports**
- **Railroad**
- **Specialty**
- **Truck & Bus**

PRODUCT WARNINGS

For California residents:

⚠️ **WARNING**: Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

⚠️ **AVERTISSEMENT**: Cancer et effet nocif sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
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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 0551781**
  - 12-24V DOT/ECE LED High Beam Heated Headlight with Chrome Bezel
- **Part Number 0552091**
  - 12-24V ECE LED LHT Low Beam Heated Headlight with Chrome 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