# LED Headlights – Model 8800 Evolution 2

## PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>12-24V ECE LED LHT Low 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 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>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: 12-24V DC
Operating Voltage: 9-32V DC
White Wire: Low Beam
Black Wire: Ground
Yellow Wire: Low Beam
Current Draw:
- 3.30A @ 12V DC
- 1.67A @ 24V DC

REGULATORY STANDARDS COMPLIANCE

Buy America Standards
Eco Friendly
IEC IP69K

ECE Reg 112
FMVSS 108 Table XIX

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www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660
PHOTOMETRIC SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw Lumen Output</td>
<td>2,830</td>
</tr>
<tr>
<td>Effective Lumen Output</td>
<td>782</td>
</tr>
<tr>
<td>Candela Output</td>
<td>29,800</td>
</tr>
<tr>
<td>Nominal LED Color</td>
<td>5000 K</td>
</tr>
<tr>
<td>Nominal LED Temperature</td>
<td>5000 K</td>
</tr>
<tr>
<td>Beam Pattern(s)</td>
<td>Forward Lighting - Low Beam (ECE Left Hand)</td>
</tr>
</tbody>
</table>

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.
LED Headlights – Model 8800 Evolution 2

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
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