## PRODUCT INFORMATION

**Description**
12-24V DOT/ECE LED High Beam Heated Headlight with Black Bezel

**Height**
107.19 mm / 4.22 in

**Width**
167.64 mm / 6.6 in

**Depth**
84.90 mm / 3.34 in

**Shape**
Rectangular

**Outer Lens Material**
Hardcoated Polycarbonate

**Outer Lens Color**
Clear

**Housing Material**
Die-Cast Aluminum

**Housing Color**
Black

**Bezel Color**
Black

**Mounting Type**
Low-Profile Panel Mount

**Retrofits**
1A1 and 2A1 (4" 1 6") sealed beams

**Minimum Operating Temperature**
-40 °C / -40 °F

**Maximum Operating Temperature**
65 °C / 149 °F

**Connector or Wiring**
H4 Connector - AMP (#172615-2)

**Mating Connector**
LH Terminal - AMP (#172795-1); RH Terminal - AMP (#172796-1)

**Product Weight**
2.00 lbs / 0.91 kgs

**Shipping Weight**
2.30 lbs / 1.04 kgs
LED Headlights – Model 8800 Evolution 2

PRODUCT DIMENSIONS

[Diagram showing dimensions]

ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>12-24 V</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>9-32 V</td>
</tr>
<tr>
<td>Red Wire</td>
<td>High Beam</td>
</tr>
<tr>
<td>Black Wire</td>
<td>Ground</td>
</tr>
<tr>
<td>Current Draw</td>
<td>3.30A @ 12V</td>
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<tr>
<td></td>
<td>1.67A @ 24V</td>
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REGULATORY STANDARDS COMPLIANCE

- Buy America Standards
- Eco Friendly
- IEC IP69K
- EEC Reg 112
- FMVSS 108 s10.1 (Table XVIII)
LED Headlights – Model 8800 Evolution 2

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](#).
LED Headlights – Model 8800 Evolution 2

PRODUCT WARNINGS

For California residents:
⚠️ WARNING: Cancer and reproductive harm - www.P65Warnings.ca.gov.
⚠️ AVERTISSEMENT: Cancer et effet nocif sur la reproduction - www.P65Warnings.ca.gov.

ACCESSORIES

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LED Headlights – Model 8800 Evolution 2

RELATED PRODUCTS

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<td>0551381</td>
<td>12-24V DOT/ECE LED High Beam Headlight with Chrome Bezel</td>
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<td>12-24V ECE LED LHT Low Beam Headlight with Chrome Bezel</td>
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