# LED Headlights - Model 8700 Evo 2 Dual Burn

## PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>12-24V DOT LED High &amp; Low Beam Headlight with Black Inner Bezel - Single Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>176.53 mm / 6.95 in</td>
</tr>
<tr>
<td>Width</td>
<td>176.53 mm / 6.95 in</td>
</tr>
<tr>
<td>Depth</td>
<td>99.82 mm / 3.93 in</td>
</tr>
<tr>
<td>Shape</td>
<td>Round</td>
</tr>
<tr>
<td>Outer Lens Material</td>
<td>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>Gray</td>
</tr>
<tr>
<td>Bezel Color</td>
<td>Black</td>
</tr>
<tr>
<td>Retrofits</td>
<td>2D1 &quot;PAR56&quot; or 7&quot; round headlights</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</td>
</tr>
<tr>
<td>Mating Connector</td>
<td>H4 AMP#172615-2</td>
</tr>
<tr>
<td>Product Weight</td>
<td>2.31 lbs / 1.05 kgs</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>3.50 lbs / 1.59 kgs</td>
</tr>
</tbody>
</table>
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PRODUCT DIMENSIONS

![Diagram of product dimensions]

ELECTRICAL SPECIFICATIONS

- **Input Voltage**: 12-24V DC
- **Operating Voltage**: 9-32V DC
- **Transient Spike Protection**: 150V Peak @ 1 HZ-100 Pulses
- **Black Wire**: Ground
- **White Wire**: High Beam
- **Yellow Wire**: Low Beam
- **Current Draw**:
  - 3.50A @ 12V DC (High Beam)
  - 2.00A @ 12V DC (Low Beam)
  - 1.80A @ 24V DC (High Beam)
  - 1.10A @ 24V DC (Low Beam)
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REGULATORY STANDARDS COMPLIANCE

Buy America Standards
FMVSS 108 s10.1 (Table XIX)
IEC IP67

Eco Friendly
FMVSS 108 s10.1 (Table XVIII)

PHOTOMETRIC SPECIFICATIONS

Raw Lumen Output 3,200 (High Beam); 1,770 (Low Beam)
Effective Lumen Output 1,260 (High Beam); 750 (Low Beam)
Candela Output 71,500 (High Beam) 35,003 (Low Beam)
Nominal LED Color Temperature 5000 K
Beam Pattern(s) Forward Lighting - High Beam (DOT)
                             Forward Lighting - Low Beam (DOT)
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APPLICATIONS

ADDITIONAL INFORMATION

Headlight must be securely mounted and properly aimed such that the beam pattern cut off line complies with all applicable regulations. If you are not familiar with the legal requirements for aiming your headlights, please see a professional service provider. We recommend that headlights are aimed with a headlight aiming system for proper alignment.

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).
LED Headlights - Model 8700 Evo 2 Dual Burn

ACCESSORIES

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8000381</td>
<td>H4/H4 Anti-Flicker Harness for J.W. Speaker LED headlights</td>
</tr>
<tr>
<td>3156351</td>
<td>Mounting Ring Kit for 7&quot; Round (PAR56) Headlights</td>
</tr>
<tr>
<td>3266081</td>
<td>Jumper Harness H4/H13 for 8700 Evolution &amp; 8710 Series</td>
</tr>
<tr>
<td>8000311</td>
<td>Anti-Flicker Harness H4/H13 for 8700 Evolution Series Headlights</td>
</tr>
<tr>
<td>8200411</td>
<td>Wire Harness H4 for 7&quot; Round (PAR56) Headlights</td>
</tr>
<tr>
<td>8200791</td>
<td>Thomas Built Bus 7inch Headlight Mounting Kit</td>
</tr>
</tbody>
</table>
LED Headlights - Model 8700 Evo 2 Dual Burn

RELATED PRODUCTS

- **Part Number 0554961**
  12-24V DOT LED High & Low Beam Headlight with Chrome Inner Bezel - Single Light

- **Part Number 0554981**
  12-24V DOT LED High & Low Beam Headlight with Black Inner Bezel & Mounting Ring - Single Light

- **Part Number 0554991**
  12-24V DOT LED High & Low Beam Headlight with Chrome Inner Bezel & Mounting Ring - Single Light

- **Part Number 0556281**
  12-24V DOT LED High & Low Beam Heated Headlight with Black Inner Bezel - Single Light

- **Part Number 0556291**
  12-24V DOT LED High & Low Beam Heated Headlight with Chrome Inner Bezel - Single Light

- **Part Number 0556301**
  12-24V ECE LED RHT High & Low Beam Heated Headlight with Black Inner Bezel - Single Light

- **Part Number 0556311**
  12-24V ECE LED RHT High & Low Beam Heated Headlight with Chrome Inner Bezel - Single Light

- **Part Number 0556321**
  12-24V ECE LED LHT High & Low Beam Heated Headlight with Black Inner Bezel - Single Light

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