# 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 Heated 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>Aluminum</td>
</tr>
<tr>
<td>Housing Color</td>
<td>Grey</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>3.35 lbs / 1.52 kgs</td>
</tr>
</tbody>
</table>

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www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660
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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
- Yellow Wire: Low Beam
- White Wire: High Beam
- Current Draw:
  - 4.20A @ 12V DC (High Beam)
  - 2.00A @ 12V DC (Low Beam)
  - 2.30A @ 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)
Tested to ECE Reg. 10
(Radiated Emissions only)

PHOTOMETRIC SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>High Beam</th>
<th>Low Beam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw Lumen Output</td>
<td>3,200</td>
<td>1,770</td>
</tr>
<tr>
<td>Effective Lumen Output</td>
<td>1,260</td>
<td>750</td>
</tr>
<tr>
<td>Candela Output</td>
<td>54,000</td>
<td>35,003</td>
</tr>
<tr>
<td>Nominal LED Color Temperature</td>
<td>5000 K</td>
<td></td>
</tr>
<tr>
<td>Beam Pattern(s)</td>
<td>Forward Lighting - High Beam (DOT)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Forward Lighting - Low Beam (DOT)</td>
<td></td>
</tr>
</tbody>
</table>

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APPLICATIONS

ADDITIONAL INFORMATION

This light has been updated with Dual Burn™ high beam optics.

This technology combines your high and low beam when turning on your high beam, providing the driver with both widespread visibility along with a powerful punch of light down the road.

![Low Beam, Standard High Beam, Dual Burn High Beam](image)

Installation:

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).
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ACCESSORIES

**Part Number 8000381**
H4/H4 Anti-Flicker Harness for J.W. Speaker LED headlights

**Part Number 3156351**
Mounting Ring Kit for 7" Round (PAR56) Headlights

**Part Number 3266081**
Jumper Harness H4/H13 for 8700 Evolution & 8710 Series Headlights

**Part Number 8000311**
Anti-Flicker Harness H4/H13 for 8700 Evolution Series Headlights

**Part Number 8200411**
Wire Harness H4 for 7" Round (PAR56) Headlights

**Part Number 8200791**
Thomas Built Bus 7inch Headlight Mounting Kit
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RELATED PRODUCTS

- **Part Number 0554941**
  12-24V DOT LED High & Low Beam Headlight with Black Inner Bezel - Single Light

- **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 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