Adaptive LED Headlights – Model 8790 Adaptive 2

### PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>12V DOT/ECE LED High &amp; Low Beam Adaptive Headlight with Chrome Inner Bezel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>177.20 mm / 6.98 in</td>
</tr>
<tr>
<td>Width</td>
<td>177.20 mm / 6.98 in</td>
</tr>
<tr>
<td>Depth</td>
<td>93.68 mm / 3.69 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>Chrome</td>
</tr>
<tr>
<td>Retrofits</td>
<td>Bucket 7” Round Headlights (PAR56)</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>3.40 lbs / 1.54 kgs</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>3.25 lbs / 1.47 kgs</td>
</tr>
</tbody>
</table>
Adaptive LED Headlights – Model 8790 Adaptive 2

PRODUCT DIMENSIONS

ELECTRICAL SPECIFICATIONS

- **Input Voltage**: 12V DC
- **Operating Voltage**: 9-16V DC
- **Transient Spike Protection**: 150V Peak @ 1 HZ-100 Pulses
- **Black Wire**: Ground
- **White Wire**: High Beam
- **Yellow Wire**: Low Beam
- **Red Wire**: Front Position
- **Current Draw**:
  - 2.9A @ 13.5V DC (High Beam)
  - 1.9A @ 13.5V DC (Low Beam)
  - 0.092A @ 13.5V DC (Front Position)
  - 3.5A @ 13.5V DC (Low Beam at Full Lean)
  - 4.5A @ 13.5V DC (High Beam at Full Lean)
Adaptive LED Headlights – Model 8790 Adaptive 2

REGULATORY STANDARDS COMPLIANCE

Buy America Standards
ECE Reg 50
FMVSS 108 s10.1 (Table XX)
Tested to ECE Reg. 10
(Radiated Emissions only)

ECE Reg 113
Eco Friendly
IEC IP67

PHOTOMETRIC SPECIFICATIONS

Raw Lumen Output 2,250 (High Beam); 2,025 (Low Beam)
Effective Lumen Output 1,150 (High Beam); 850 (Low Beam)
Candela Output 48,000 (High Beam); 1,150 (Low Beam)
Nominal LED Color Temperature 5000 K
Beam Pattern(s) Forward Lighting - High Beam (DOT/ECE)
Forward Lighting - Low Beam (DOT/ECE)
Signalization - Front Position
Adaptive LED Headlights – Model 8790 Adaptive 2

APPLICATIONS

ADDITIONAL INFORMATION

Improvements over the original Adaptive Series
The NEW Adaptive 2 Series headlights have been improved to feature Adaptive technology when using the high beam, in addition to the low beam. Providing ditch-to-ditch lighting to eliminate dark corners on sharp turns and a punch of light 1,500 feet down the road to give you a safer and more confident ride.

Red Wire
Note about Front Position: The front position light is a requirement outside the United States. **If your bike is operated in the United States you do NOT need to connect this wire (red)** unless your bike is equipped with a front position light.

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)

ACCESSORIES

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3156351</td>
<td>Mounting Ring Kit for 7” Round (PAR56) Headlights</td>
</tr>
<tr>
<td>8200411</td>
<td>Wire Harness H4 for 7” Round (PAR56) Headlights</td>
</tr>
</tbody>
</table>

Print date: 2020-04-09
Adaptive LED Headlights – Model 8790 Adaptive 2

RELATED PRODUCTS

**Part Number 0555011**
12V DOT/ECE LED High & Low Beam Adaptive Headlight with Black Inner Bezel

**Part Number 0555051**
12V DOT/ECE LED High & Low Beam Adaptive Headlight with Black Inner Bezel and Mounting Ring

**Part Number 0555061**
12V DOT/ECE LED High & Low Beam Adaptive Headlight with Chrome Inner Bezel and Mounting Ring