# LED Headlights - Model 8415 Evolution

## PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>12-24V SAE/ECE LED High/Low Beam Light with Xenoy Housing &amp; Adjustable Mount</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>119.63 mm / 4.71 in</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>111.25 mm / 4.38 in</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>72.90 mm / 2.87 in</td>
</tr>
<tr>
<td><strong>Shape</strong></td>
<td>Round</td>
</tr>
<tr>
<td><strong>Outer Lens Material</strong></td>
<td>Polycarbonate</td>
</tr>
<tr>
<td><strong>Outer Lens Color</strong></td>
<td>Clear</td>
</tr>
<tr>
<td><strong>Housing Material</strong></td>
<td>Xenoy</td>
</tr>
<tr>
<td><strong>Housing Color</strong></td>
<td>Black</td>
</tr>
<tr>
<td><strong>Mounting Type</strong></td>
<td>Adjustable Mount</td>
</tr>
<tr>
<td><strong>Retrofits</strong></td>
<td>Large Vehicles</td>
</tr>
<tr>
<td><strong>Minimum Operating Temperature</strong></td>
<td>-40 °C / -40 °F</td>
</tr>
<tr>
<td><strong>Maximum Operating Temperature</strong></td>
<td>65 °C / 149 °F</td>
</tr>
<tr>
<td><strong>Mating Connector</strong></td>
<td>PE 12110293</td>
</tr>
<tr>
<td><strong>Product Weight</strong></td>
<td>0.51 lbs / 0.23 kgs</td>
</tr>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>1.10 lbs / 0.5 kgs</td>
</tr>
<tr>
<td><strong>Additional Information</strong></td>
<td>Lamp meets SAE J1623, SAE J2258, ASABE S608, ECE Reg 113 Class C. Adjustable Mount is needed for larger vehicles in order to modify pattern as needed.</td>
</tr>
</tbody>
</table>

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PRODUCT DIMENSIONS

- Ø 4.33" (110.0mm)
- 2.32" (59.0mm)
- 4.39" (111.5mm)
- Ø 0.30" (7.8mm)
- 0.88" (22.3mm)
- 1.05" (26.7mm)
- 2.87" (73.0mm)

ELECTRICAL SPECIFICATIONS

Input Voltage: 12-24V DC
Operating Voltage: 10-30V DC
Current Draw:
- 1.14A @ 12V DC (High Beam)
- 0.41A @ 12V DC (Low Beam)
- 0.57A @ 24V DC (High Beam)
- 0.22A @ 24V DC (Low Beam)

REGULATORY STANDARDS COMPLIANCE

- ASABE S608
- ECE Reg 113
- IEC IP67
- SAE J2258
- Buy America Standards
- Eco Friendly
- SAE J1623
PHOTOMETRIC SPECIFICATIONS

Raw Lumen Output: 1,075 (High Beam); 430 (Low Beam)
Effective Lumen Output: 720 (High Beam); 240 (Low Beam)
Nominal LED Color Temperature: 5000 K
Beam Pattern(s): Forward Lighting - High Beam (DOT/ECE)
Forward Lighting - Low Beam (DOT)
Forward Lighting - Low Beam (ECE Right Hand)

APPLICATIONS

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.

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RELATED PRODUCTS

Part Number 0551761
12-24V SAE/ECE LED High/Low Beam Light with Xenoy Housing & Fixed Panel Mount

Part Number 0552031
12-24V SAE/ECE LED High/Low Beam Light with Polycarbonate Housing & Adjustable Mount - UL Version

Part Number 0556421
12-24V LED Low Beam ATV Headlight with Fixed Panel Mount

Part Number 0556431
12-24V LED Low Beam ATV Headlight with Adjustable Mount