

# Adaptive LED Headlights – Model 8790 Adaptive 2

## PRODUCT INFORMATION

|                                      |   |
|--------------------------------------|---|
| <b>Description</b>                   | 12V DOT/ECE LED High & Low Beam Adaptive Headlight with Black Inner Bezel and Mounting Ring |
| <b>Height</b>                        | 177.20 mm / 6.98 in   |
| <b>Width</b>                         | 177.20 mm / 6.98 in   |
| <b>Depth</b>                         | 93.68 mm / 3.69 in  |
| <b>Shape</b>                         | Round   |
| <b>Outer Lens Material</b>           | Polycarbonate   |
| <b>Outer Lens Color</b>              | Clear   |
| <b>Housing Material</b>              | Aluminum  |
| <b>Housing Color</b>                 | Grey  |
| <b>Bezel Color</b>                   | Black   |
| <b>Retrofits</b>                     | Bucket 7" Round Headlights (PAR56)  |
| <b>Minimum Operating Temperature</b> | -40 °C / -40 °F   |
| <b>Maximum Operating Temperature</b> | 65 °C / 149 °F  |
| <b>Connector or Wiring</b>           | H4  |
| <b>Mating Connector</b>              | H4 AMP#172615-2   |
| <b>Shipping Weight</b>               | 4.10 lbs / 1.86 kgs   |



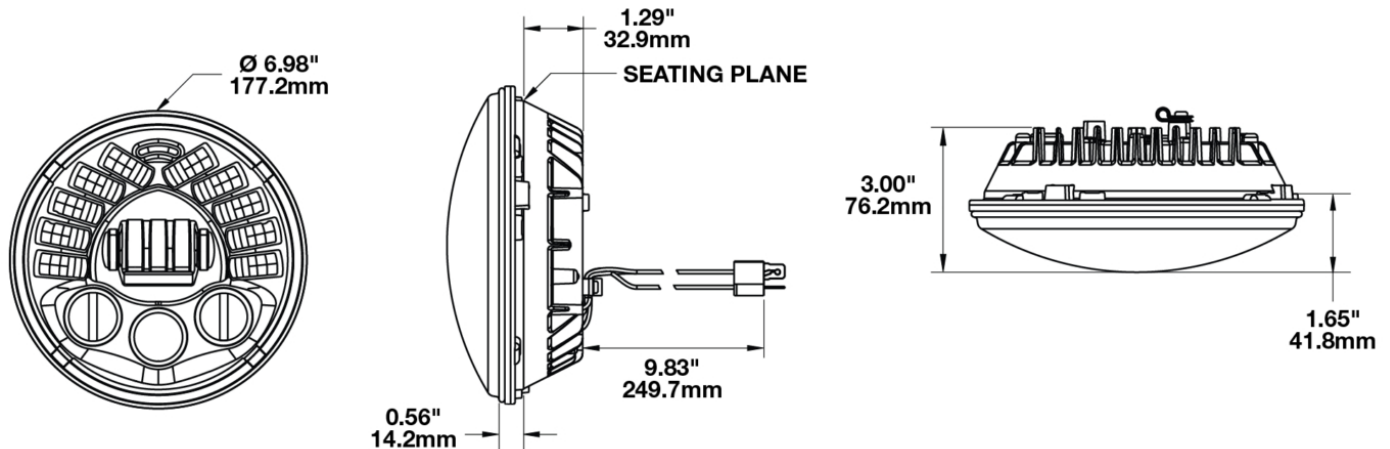
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## PRODUCT DIMENSIONS



## ELECTRICAL SPECIFICATIONS

|                                   |  |
|-----------------------------------|--|
| <b>Input Voltage</b>              | 12V DC   |
| <b>Operating Voltage</b>          | 9-16V DC   |
| <b>Transient Spike Protection</b> | 150V Peak @ 1 HZ-100 Pulses  |
| <b>Black Wire</b>                 | Ground   |
| <b>White Wire</b>                 | High Beam  |
| <b>Yellow Wire</b>                | Low Beam   |
| <b>Red Wire</b>                   | Front Position   |
| <b>Current Draw</b>               | 2.9A @ 13.5V DC (High Beam)<br>1.9A @ 13.5V DC (Low Beam)<br>0.092A @ 13.5V DC (Front Position)<br>3.5A @ 13.5V DC (Low Beam at Full Lean)<br>4.5A @ 13.5V DC (High Beam at Full Lean) |

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## REGULATORY STANDARDS COMPLIANCE



ECE Reg 113  
 FMVSS 108 Table XX  
 Tested to ECE Reg. 10  
 (Radiated Emissions only)

ECE Reg 50  
 IEC IP67

## PHOTOMETRIC SPECIFICATIONS

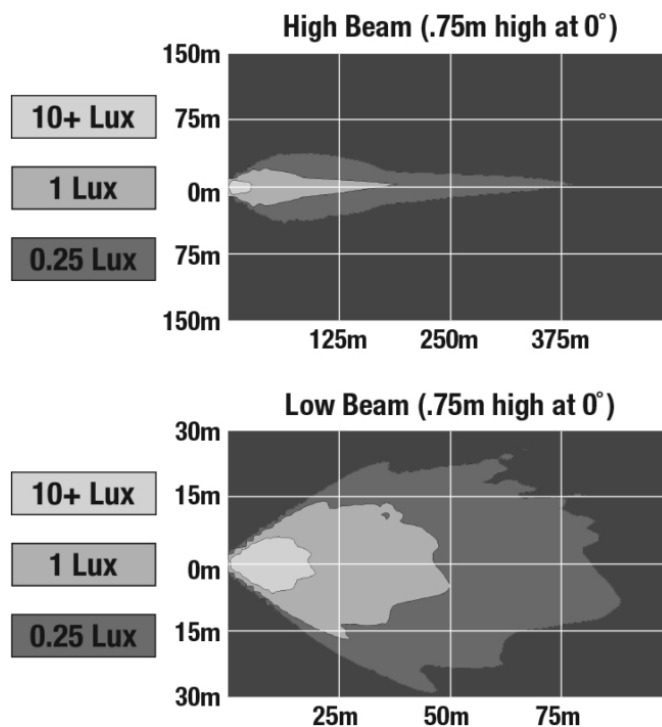
**Raw Lumen Output** 2,250 (High Beam); 2,025 (Low Beam)

**Effective Lumen Output** 1,150 (High Beam); 850 (Low Beam)

**Candela Output** 48,000 (High Beam); 11,500 (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



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## APPLICATIONS

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## ADDITIONAL INFORMATION

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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.

## RELATED PRODUCTS

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**Part Number**  
**0555011**

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



**Part Number**  
**0555031**

12V DOT/ECE LED High & Low Beam Adaptive Headlight with Chrome Inner Bezel



**Part Number**  
**0555061**

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

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