

# 7" Round LED Motorcycle Headlights - Model 8790 Adaptive 2

## PRODUCT INFORMATION

|                                      |   |
|--------------------------------------|---|
| <b>Description</b>                   | 12V DOT/ECE LED High & Low Beam Adaptive Headlight with Black Inner Bezel |
| <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>Product Weight</b>                | 3.40 lbs / 1.54 kgs   |
| <b>Shipping Weight</b>               | 3.25 lbs / 1.47 kgs   |

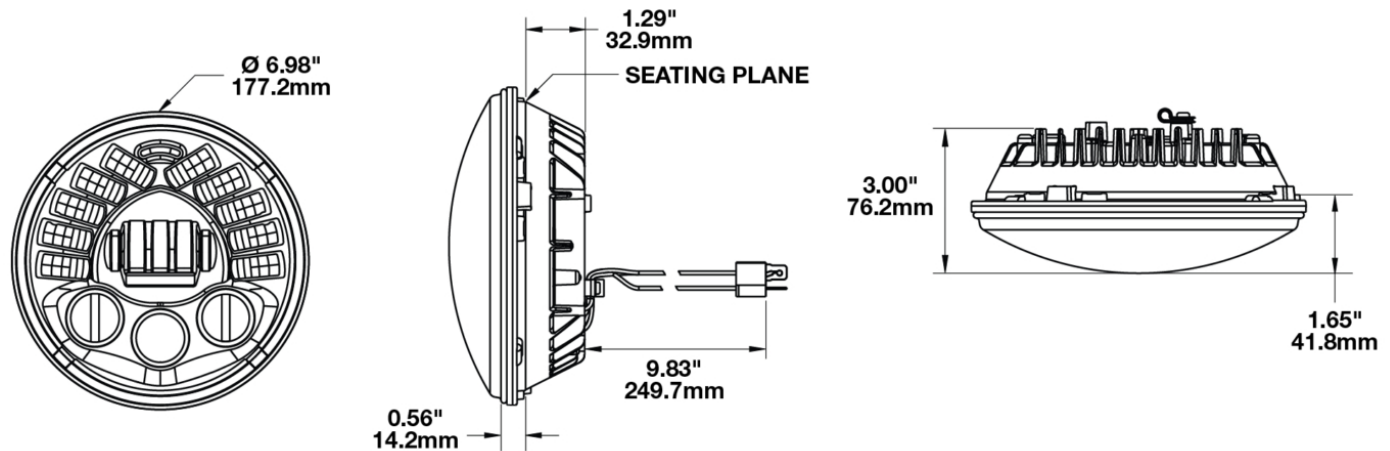


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## PRODUCT DIMENSIONS



## 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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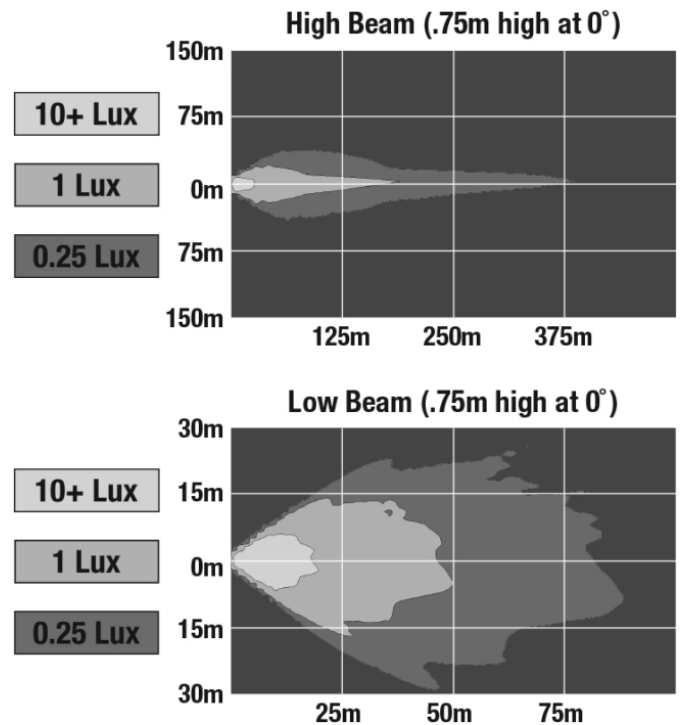
## REGULATORY STANDARDS COMPLIANCE



|                            |              |
|----------------------------|--------------|
| Buy America Standards      | ECE Reg 113  |
| ECE Reg 50                 | Eco Friendly |
| FMVSS 108 s10.1 (Table XX) | IEC IP67     |

## PHOTOMETRIC SPECIFICATIONS

|                                      |   |
|--------------------------------------|---|
| <b>Raw Lumen Output</b>              | 2,250 (High Beam), 2,025 (Low Beam)   |
| <b>Effective Lumen Output</b>        | 1,150 (High Beam), 850 (Low Beam)   |
| <b>Candela Output</b>                | 48,000 (High Beam), 11,500 (Low Beam)   |
| <b>Nominal LED Color Temperature</b> | 5000 K  |
| <b>Beam Pattern(s)</b>               | Forward Lighting - High Beam (DOT/ECE)<br>Forward Lighting - Low Beam (DOT/ECE)<br>Signalization - Front Position |



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## 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



### Part Number

**3156351**

Mounting Ring Kit for  
7" Round (PAR56)  
Headlights



### Part Number

**8200411**

Wire Harness for 7"  
Motorcycle Headlights

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## RELATED PRODUCTS

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**Part Number**  
**0555031**

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