

# Adaptive LED Motorcycle Headlights – Model 8790 A2



# 0555031

## Product Information

|                                      |  |
|--------------------------------------|--|
| <b>Description</b>                   | Model 8790 A2 - 12V Adaptive LED Motorcycle Headlight - Chrome 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>Bezel Color</b>                   | Chrome   |
| <b>Retrofits</b>                     | Bucket 7" Round Headlights (PAR56)                                   |
| <b>Minimum Operating Temperature</b> | -40 °C   |
| <b>Maximum Operating Temperature</b> | 65 °C  |
| <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  |



## Electrical Specifications

|                          |  |
|--------------------------|--|
| <b>Input Voltage</b>     | 12V DC   |
| <b>Operating Voltage</b> | 9-16V DC   |
| <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) |

## 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); 1,150 (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 |

## Additional Specifications

|                      |   |
|----------------------|---|
| <b>IP Rating</b>     | IP67  |
| <b>Warranty</b>      | Please refer to the Warranty Statement which is available for download on the website         |
| <b>Certification</b> | ECE Reg 50 & 113, Tested to ECE Reg. 10 (Radiated Emissions only), FMVSS 108 s10.1 (Table XX) |
| <b>Pack Quantity</b> | 1   |

## 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.