

# LED Headlights - Model 8700 Evo 2 Dual Burn

## PRODUCT INFORMATION

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|                                      |                                                                                                |
|--------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Description</b>                   | 12-24V DOT LED High & Low Beam Headlight with Black Inner Bezel & Mounting Ring - Single Light |
| <b>Height</b>                        | 176.53 mm / 6.95 in                                                                            |
| <b>Width</b>                         | 176.53 mm / 6.95 in                                                                            |
| <b>Depth</b>                         | 99.82 mm / 3.93 in                                                                             |
| <b>Shape</b>                         | Round                                                                                          |
| <b>Outer Lens Material</b>           | Polycarbonate                                                                                  |
| <b>Outer Lens Color</b>              | Clear                                                                                          |
| <b>Housing Material</b>              | Die-Cast Aluminum                                                                              |
| <b>Housing Color</b>                 | Gray                                                                                           |
| <b>Bezel Color</b>                   | Black                                                                                          |
| <b>Retrofits</b>                     | 2D1 "PAR56" or 7" round headlights                                                             |
| <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>                | 2.31 lbs / 1.05 kgs                                                                            |
| <b>Shipping Weight</b>               | 3.50 lbs / 1.59 kgs                                                                            |



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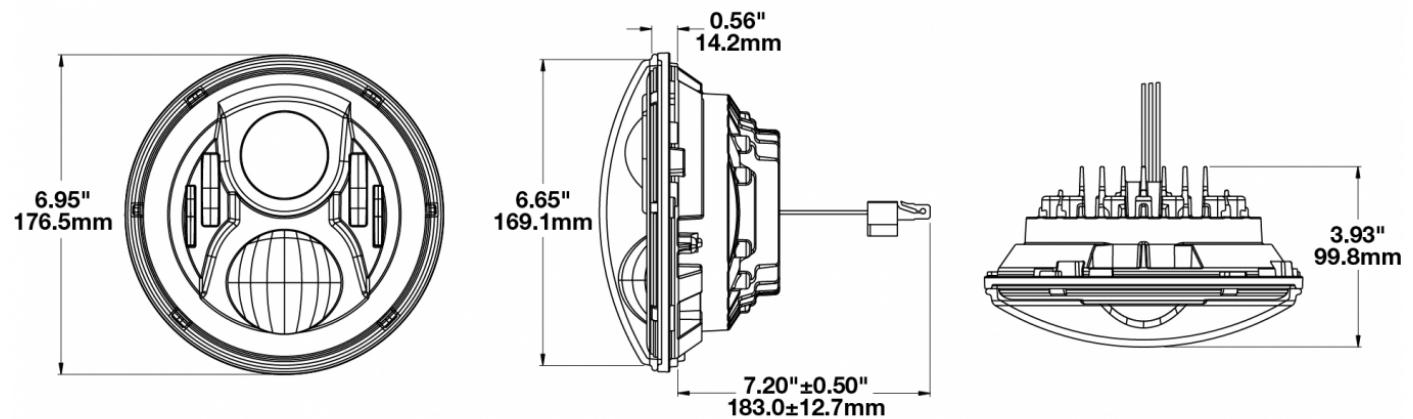
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**J.W. SPEAKER®**  
*Engineered. Lighting. Solutions.*

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## PRODUCT DIMENSIONS



## ELECTRICAL SPECIFICATIONS

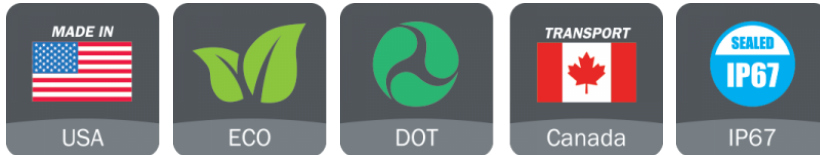
|                                   |                                                                                                                    |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Input Voltage</b>              | 12-24V DC                                                                                                          |
| <b>Operating Voltage</b>          | 9-32V 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>Current Draw</b>               | 3.50A @ 12V DC (High Beam)<br>2.00A @ 12V DC (Low Beam)<br>1.80A @ 24V DC (High Beam)<br>1.10A @ 24V DC (Low Beam) |

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## REGULATORY STANDARDS COMPLIANCE



Buy America Standards

Eco Friendly

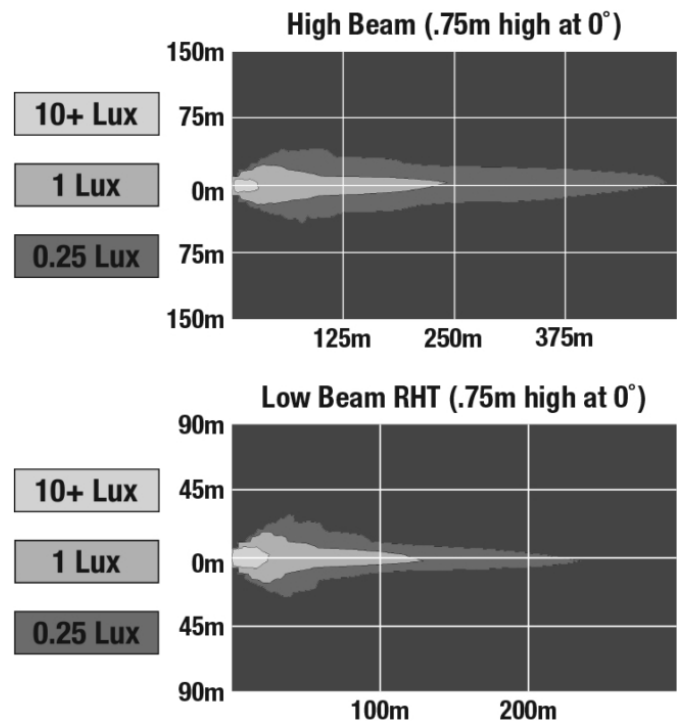
FMVSS 108 s10.1 (Table XIX)

FMVSS 108 s10.1 (Table XVIII)

IEC IP67

## PHOTOMETRIC SPECIFICATIONS

|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| <b>Raw Lumen Output</b>              | 3,200 (High Beam); 1,770 (Low Beam)                                     |
| <b>Effective Lumen Output</b>        | 1,260 (High Beam); 750 (Low Beam)                                       |
| <b>Candela Output</b>                | 71,500 (High Beam) 35,003 (Low Beam)                                    |
| <b>Nominal LED Color Temperature</b> | 5000 K                                                                  |
| <b>Beam Pattern(s)</b>               | Forward Lighting - High Beam (DOT)<br>Forward Lighting - Low Beam (DOT) |



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## APPLICATIONS

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## ADDITIONAL INFORMATION

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Headlight must be securely mounted and properly aimed such that the beam pattern cut off line complies with all applicable regulations. If you are not familiar with the legal requirements for aiming your headlights, please see a professional service provider. We recommend that headlights are aimed with a headlight aiming system for proper alignment.

## PRODUCT WARNINGS

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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).

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## ACCESSORIES

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**Part Number**  
**8000381**  
H4/H4 Anti-Flicker  
Harness for J.W.  
Speaker LED  
headlights



**Part Number**  
**3156351**  
Mounting Ring Kit for  
7" Round (PAR56)  
Headlights



**Part Number**  
**3266081**  
Jumper Harness  
H4/H13 for 8700  
Evolution & 8710  
Series



**Part Number**  
**8000311**  
Anti-Flicker Harness  
H4/H13 for 8700  
Evolution Series  
Headlights



**Part Number**  
**8200411**  
Wire Harness for 7"  
Motorcycle Headlights



**Part Number**  
**8201111**  
Black Polycarbonate  
Bucket for 7" Round  
(PAR56) Headlight

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## RELATED PRODUCTS

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**Part Number**  
**0554941**

12-24V DOT LED High  
& Low Beam Headlight  
with Black Inner Bezel  
- Single Light



**Part Number**  
**0554961**

12-24V DOT LED High  
& Low Beam Headlight  
with Chrome Inner  
Bezel - Single Light



**Part Number**  
**0554991**

12-24V DOT LED High  
& Low Beam Headlight  
with Chrome Inner  
Bezel & Mounting Ring  
- Single Light



**Part Number**  
**0556281**

12-24V DOT LED High  
& Low Beam Heated  
Headlight with Black  
Inner Bezel - Single  
Light



**Part Number**  
**0556291**

12-24V DOT LED High  
& Low Beam Heated  
Headlight with Chrome  
Inner Bezel - Single  
Light



**Part Number**  
**0556301**

12-24V ECE LED RHT  
High & Low Beam  
Heated Headlight with  
Black Inner Bezel -  
Single Light - FP & DRL



**Part Number**  
**0556311**

12-24V ECE LED RHT  
High & Low Beam  
Heated Headlight with  
Chrome Inner Bezel -  
Single Light - FP&DRL