

# Model 8700 EVO-X Headlight

## PRODUCT INFORMATION

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|                                      |   |
|--------------------------------------|---|
| <b>Description</b>                   | 12-24V DOT/ECE LED RHT 5-in-1 Headlight with Chrome Bezel |
| <b>Height</b>                        | 177.20 mm / 6.98 in                                       |
| <b>Width</b>                         | 177.20 mm / 6.98 in                                       |
| <b>Depth</b>                         | 84.35 mm / 3.32 in  |
| <b>Shape</b>                         | Round   |
| <b>Outer Lens Material</b>           | Hardcoated Polycarbonate                                  |
| <b>Outer Lens Color</b>              | Clear   |
| <b>Housing Material</b>              | Polycarbonate   |
| <b>Housing Color</b>                 | Black   |
| <b>Bezel Color</b>                   | Chrome  |
| <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>           | integrated 6-pin Deutsch                                  |
| <b>Mating Connector</b>              | Deutsch DT06-6S   |



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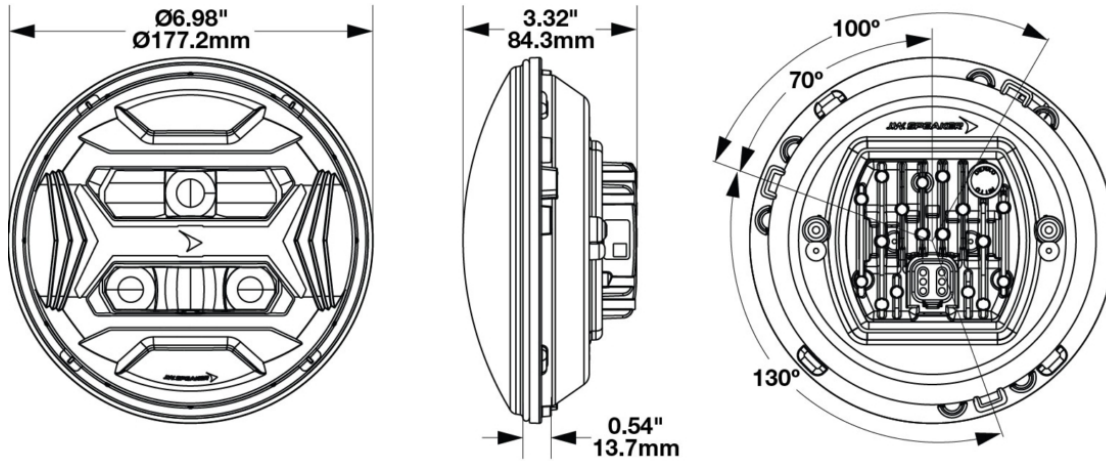
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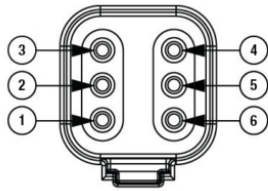
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*Engineered. Lighting. Solutions.*

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## PRODUCT DIMENSIONS



View: Back of Lamp  
6-Pin Deutsch



| PIN   | FUNCTION              |
|-------|-----------------------|
| PIN 1 | Front Position        |
| PIN 2 | Daytime Running Light |
| PIN 3 | Direction Indicator*  |
| PIN 4 | Ground                |
| PIN 5 | Low Beam              |
| PIN 6 | High Beam             |

Note: Reference number on Deutsch Connector  
\*Direction Indicator (DI) is not DOT compliant

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## ELECTRICAL SPECIFICATIONS

|                          |  |
|--------------------------|--|
| <b>Input Voltage</b>     | 12-24V DC  |
| <b>Operating Voltage</b> | 9-32V DC   |
| <b>Current Draw</b>      | 2.09A @ 12V DC (Low Beam)<br>1.13A @ 24V DC (Low Beam)<br>4.52A @ 12V DC (High Beam)<br>2.21A @ 24V DC (High Beam)<br>0.26A @ 12V DC (Front Position)<br>0.15A @ 24V DC (Front Position)<br>2.52A @ 12V DC (DRL)<br>1.28A @ 24V DC (DRL)<br>2.95A @ 12V DC (Direction Indicator)<br>1.53A @ 24V DC (Direction Indicator) |

## REGULATORY STANDARDS COMPLIANCE



|                             |                               |
|-----------------------------|-------------------------------|
| ECE Reg 10                  | ECE Reg 148 - 1b              |
| ECE Reg 148 - A             | ECE Reg 148 - RL              |
| ECE Reg 149 - C             | ECE Reg 149 - HR              |
| FMVSS 108 s10.1 (Table XIX) | FMVSS 108 s10.1 (Table XVIII) |
| FMVSS 108 s7.10             | FMVSS 108 s7.8 (Table XIV)    |
| IEC IP67                    | IEC IP69K                     |
| SAE J1383                   | SAE J2087                     |
| SAE J222                    |                               |

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## PHOTOMETRIC SPECIFICATIONS

|                                      |  |
|--------------------------------------|--|
| <b>Raw Lumen Output</b>              | 3,740 (High beam), 2,330 (Low Beam)  |
| <b>Effective Lumen Output</b>        | 1,450 (High Beam), 755 (Low beam)  |
| <b>Candela Output</b>                | 63,000   |
| <b>Nominal LED Color Temperature</b> | 5700 K   |
| <b>Beam Pattern(s)</b>               | Forward Lighting - Daytime Running Light<br>Forward Lighting - High Beam (ECE)<br>Forward Lighting - Low Beam (ECE Right Hand)<br>Signalization - Front Position<br>Signalization - Turn (Front) |



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## APPLICATIONS

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## 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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## RELATED PRODUCTS

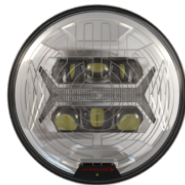
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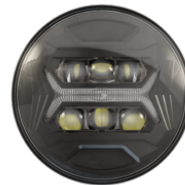
**Part Number**  
**0562231**  
12-24V DOT/ECE LED  
RHT 5-in-1 Headlight  
with Black Bezel



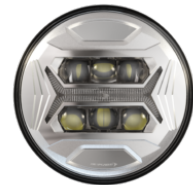
**Part Number**  
**0562251**  
12-24V DOT/ECE LED  
RHT 5-in-1 Heated  
Headlight with Black  
Bezel



**Part Number**  
**0562261**  
12-24V DOT/ECE LED  
RHT 5-in-1 Heated  
Headlight with Chrome  
Bezel



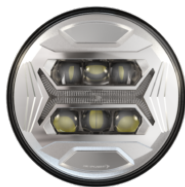
**Part Number**  
**0562271**  
12-24V DOT/ECE LED  
High and Symmetric  
Low Beam Headlight  
with Front Position  
with Black Bezel



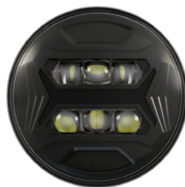
**Part Number**  
**0562281**  
12-24V DOT/ECE LED  
High and Symmetric  
Low Beam Headlight  
with Front Position  
with Chrome Bezel



**Part Number**  
**0562291**  
12-24V ECE LED LHT  
5-in-1 Headlight with  
Black Bezel



**Part Number**  
**0562301**  
12-24V ECE LED LHT  
5-in-1 Headlight with  
Chrome Bezel



**Part Number**  
**0562331**  
12-24V DOT LED RHT  
High and Low Beam  
Headlight with Black  
Bezel