

# LED Headlight – Model 8631 Evolution

## 0551641

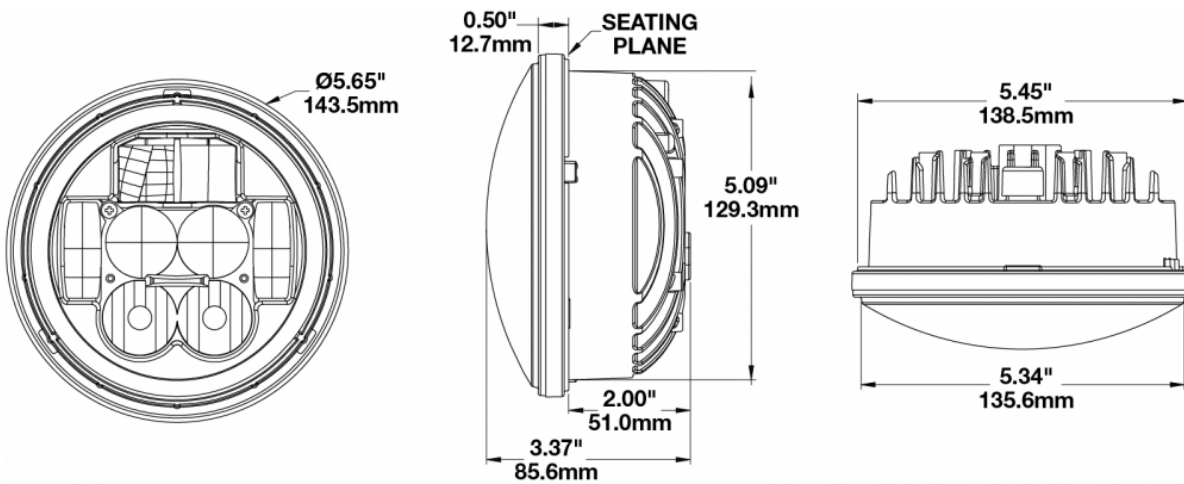


### Product Information

|                                      |  |
|--------------------------------------|--|
| <b>Description</b>                   | Model 8631 EVO - 12/24V LED Headlight Insert             |
| <b>Height</b>                        | 142.24 mm / 5.6 in                                       |
| <b>Width</b>                         | 142.24 mm / 5.6 in                                       |
| <b>Depth</b>                         | 86.36 mm / 3.4 in  |
| <b>Shape</b>                         | Round  |
| <b>Outer Lens Material</b>           | Hardcoated Polycarbonate                                 |
| <b>Outer Lens Color</b>              | Clear  |
| <b>Housing Color</b>                 | Black  |
| <b>Minimum Operating Temperature</b> | -34 °C   |
| <b>Maximum Operating Temperature</b> | 49 °C  |
| <b>Connector or Wiring</b>           | Integral Connector in Housing simulating Delphi 12124107 |
| <b>Mating Connector</b>              | Delphi 12052848  |
| <b>Product Weight</b>                | 1.76 lbs / 0.8 kgs                                       |



### Product Dimensions

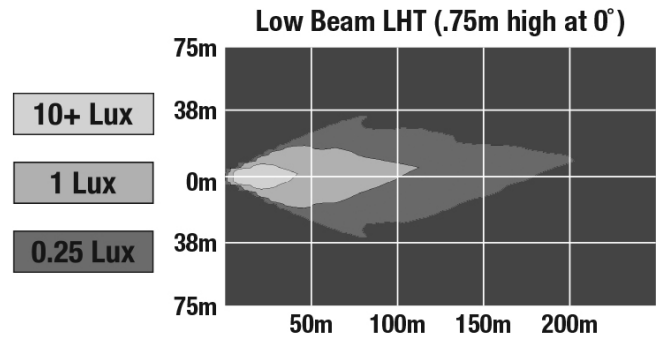
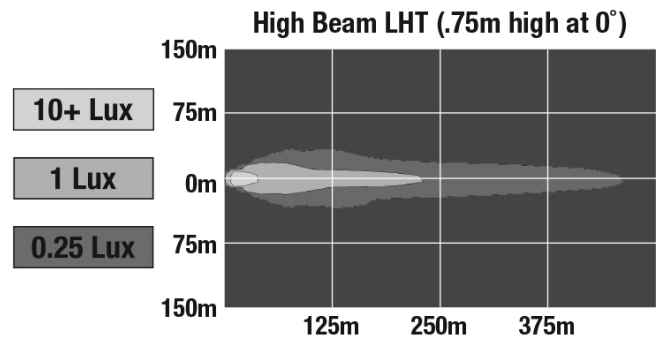


## Electrical Specifications

|                            |  |
|----------------------------|--|
| <b>Input Voltage</b>       | 12-24V DC  |
| <b>Operating Voltage</b>   | 10-32V DC  |
| <b>White Wire</b>          | High Beam  |
| <b>Yellow Wire</b>         | Low Beam   |
| <b>Black Wire</b>          | Ground   |
| <b>Red Wire</b>            | Front Position   |
| <b>Purple Wire</b>         | DRL  |
| <b>Orange / White Wire</b> | Front Turn   |
| <b>Current Draw</b>        | 2.20A @ 12V DC (Low Beam)<br>1.10A @ 24V DC (Low Beam)<br>3.50A @ 12V DC (High Beam)<br>1.70A @ 24V DC (High Beam)<br>1.10A @ 12V DC (DRL)<br>0.70A @ 24V DC (DRL)<br>0.05A @ 12V DC (Front Position)<br>0.05A @ 24V DC (Front Position)<br>1.40A @ 12V DC (Front Turn)<br>0.70A @ 24V DC (Front Turn) |

## Photometric Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Raw Lumen Output</b>              | 2,925 (High Beam); 2,025 (Low Beam)   |
| <b>Effective Lumen Output</b>        | 1,000 (High Beam); 630 (Low Beam)   |
| <b>Nominal LED Color Temperature</b> | 5000 K  |
| <b>Beam Pattern(s)</b>               | Forward Lighting - Daytime Running Light<br>Forward Lighting - High Beam (DOT/ECE)<br>Forward Lighting - Low Beam (ECE Left Hand)<br>Signalization - Front Position<br>Signalization - Turn (Front) |



## Additional Specifications

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|                      |   |
|----------------------|---|
| <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 6, 7, 87 & 112  |
| <b>Pack Quantity</b> | 1   |