

# LED Headlight - Model 8631 Evolution

## PRODUCT INFORMATION

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|                                      |   |
|--------------------------------------|---|
| <b>Description</b>                   | 12-24V DOT/ECE LED RHT High & Low Beam Headlight with Turn Signal, FP & DRL |
| <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 Material</b>              | Aluminum  |
| <b>Housing Color</b>                 | Black   |
| <b>Mounting Type</b>                 | Panel   |
| <b>Retrofits</b>                     | PAR 46  |
| <b>Minimum Operating Temperature</b> | -34 °C / -29.2 °F   |
| <b>Maximum Operating Temperature</b> | 49 °C / 120.2 °F  |
| <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  |
| <b>Shipping Weight</b>               | 3.10 lbs / 1.41 kgs   |



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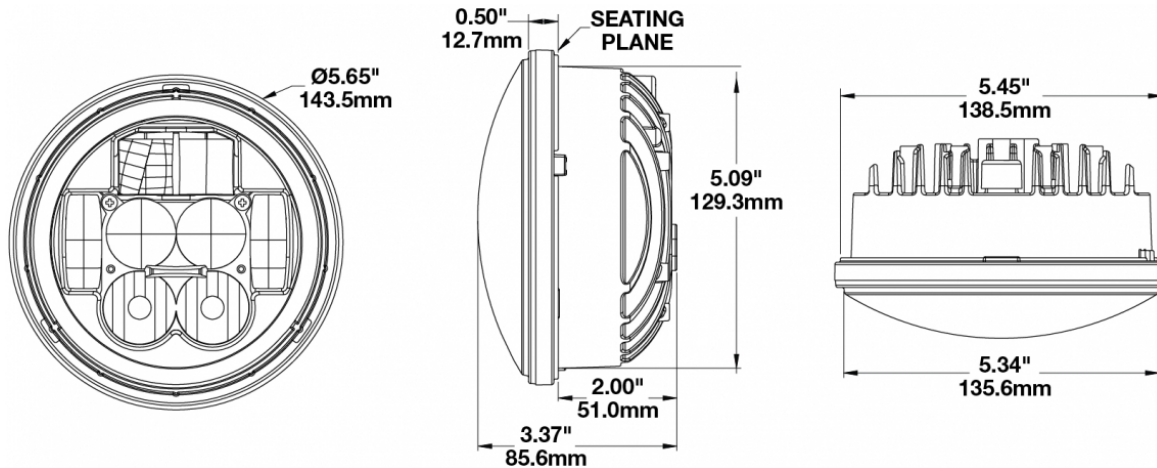
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Engineered. Lighting. Solutions.

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## 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)       |
|                            | 1.10A @ 24V DC (Low Beam)       |
|                            | 3.50A @ 12V DC (High Beam)      |
|                            | 1.70A @ 24V DC (High Beam)      |
|                            | 1.10A @ 12V DC (DRL)            |
|                            | 0.70A @ 24V DC (DRL)            |
|                            | 0.05A @ 12V DC (Front Position) |
|                            | 0.05A @ 24V DC (Front Position) |
|                            | 1.40A @ 12V DC (Front Turn)     |
|                            | 0.70A @ 24V DC (Front Turn)     |

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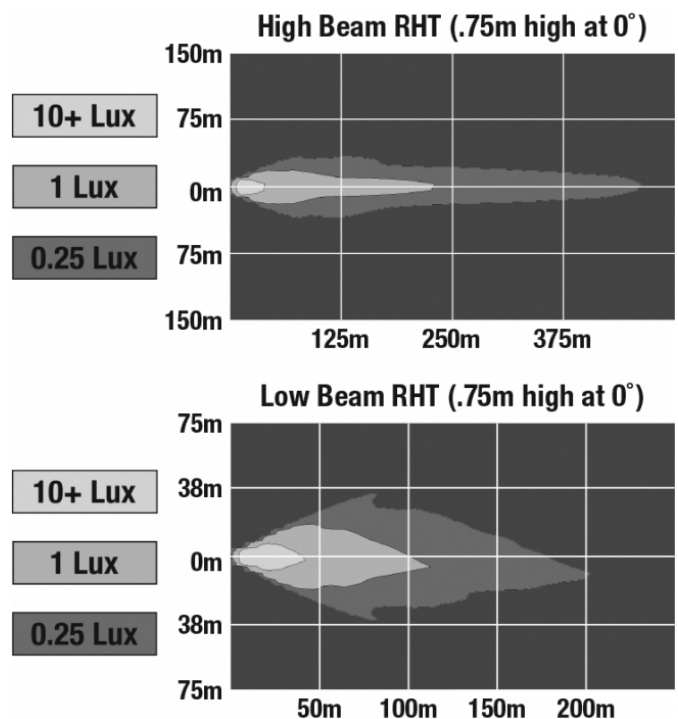
## REGULATORY STANDARDS COMPLIANCE



|                       |                       |
|-----------------------|-----------------------|
| Buy America Standards | ECE Reg 112           |
| ECE Reg 6             | ECE Reg 7             |
| ECE Reg 87            | Eco Friendly          |
| FMVSS 108 Table VI    | FMVSS 108 Table X     |
| FMVSS 108 Table XIX   | FMVSS 108 Table XVIII |
| IEC IP67              | SAE J1395             |
| SAE J2087             | SAE J222              |

## 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 (DOT)<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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## ACCESSORIES

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**Part Number**  
**3157751**

Double Ring Kit  
Mounting Assembly for  
LED Headlight Model  
8630



**Part Number**  
**8200001**

Single Ring Kit  
Mounting Assembly for  
LED Headlight Model  
8630

## RELATED PRODUCTS

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**Part Number**  
**0551641**

12-24V ECE LED LHT  
High & Low Beam  
Headlight with Turn  
Signal, FP & DRL

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