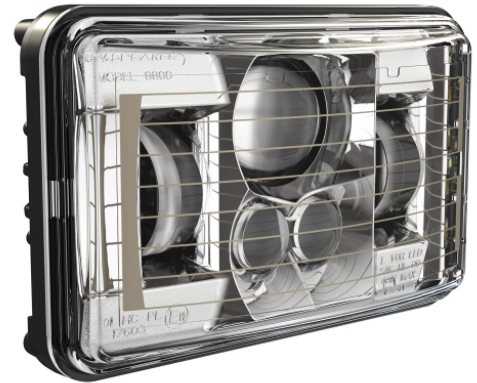


# LED Headlights – Model 8800 Evolution 2

## PRODUCT INFORMATION

|                                      |  |
|--------------------------------------|--|
| <b>Description</b>                   | 12-24V DOT/ECE LED RHT Low Beam Heated Headlight with Chrome Bezel |
| <b>Height</b>                        | 107.19 mm / 4.22 in  |
| <b>Width</b>                         | 167.64 mm / 6.6 in   |
| <b>Depth</b>                         | 84.90 mm / 3.34 in   |
| <b>Shape</b>                         | Rectangular  |
| <b>Outer Lens Material</b>           | Hardcoated Polycarbonate   |
| <b>Outer Lens Color</b>              | Clear  |
| <b>Housing Material</b>              | Die-Cast Aluminum  |
| <b>Housing Color</b>                 | Black  |
| <b>Bezel Color</b>                   | Chrome   |
| <b>Mounting Type</b>                 | Low-Profile Panel Mount  |
| <b>Retrofits</b>                     | 1A1 and 2A1 (4" 1 6") sealed beams                                 |
| <b>Minimum Operating Temperature</b> | -40 °C / -40 °F  |
| <b>Maximum Operating Temperature</b> | 65 °C / 149 °F   |
| <b>Connector or Wiring</b>           | H4 Connector - AMP (#172615-2)                                     |
| <b>Mating Connector</b>              | LH Terminal - AMP (#172795-1); RH Terminal - AMP (#172796-1)       |
| <b>Product Weight</b>                | 2.00 lbs / 0.91 kgs  |
| <b>Shipping Weight</b>               | 2.30 lbs / 1.04 kgs  |



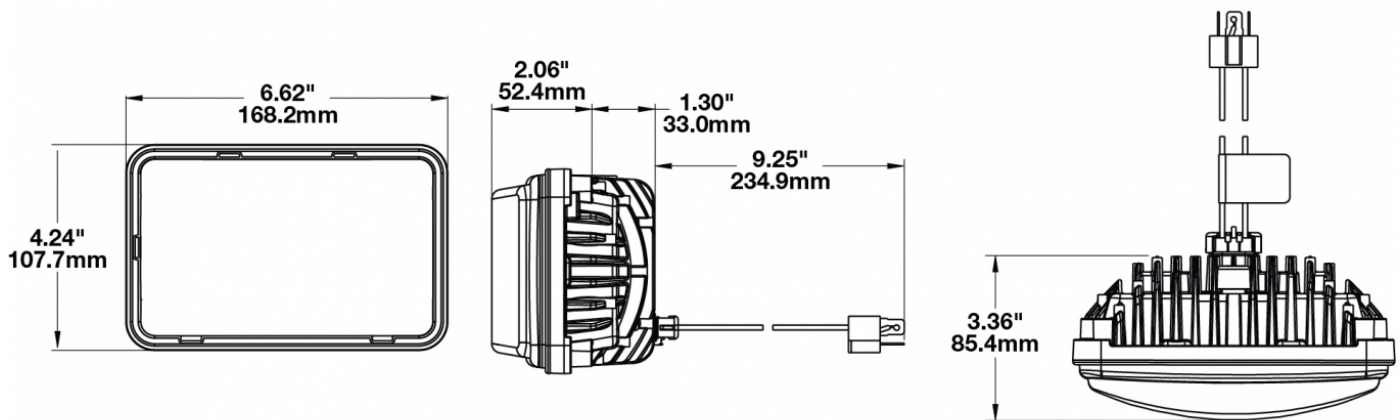
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 Engineered. Lighting. Solutions.

# LED Headlights – Model 8800 Evolution 2

## PRODUCT DIMENSIONS



## ELECTRICAL SPECIFICATIONS

|                          |                                  |
|--------------------------|----------------------------------|
| <b>Input Voltage</b>     | 12-24V DC                        |
| <b>Operating Voltage</b> | 9-32V DC                         |
| <b>White Wire</b>        | Low Beam                         |
| <b>Black Wire</b>        | Ground                           |
| <b>Yellow Wire</b>       | Low Beam                         |
| <b>Current Draw</b>      | 3.30A @ 12V DC<br>1.67A @ 24V DC |

## REGULATORY STANDARDS COMPLIANCE



Buy America Standards  
Eco Friendly  
IEC IP69K

ECE Reg 112  
FMVSS 108 Table XIX

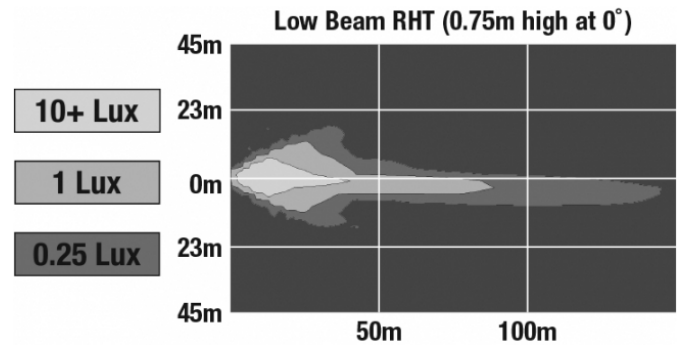
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# LED Headlights – Model 8800 Evolution 2

## PHOTOMETRIC SPECIFICATIONS

|                                      |   |
|--------------------------------------|---|
| <b>Raw Lumen Output</b>              | 2,830   |
| <b>Effective Lumen Output</b>        | 782   |
| <b>Candela Output</b>                | 29,800  |
| <b>Nominal LED Color Temperature</b> | 5000 K  |
| <b>Beam Pattern(s)</b>               | Forward Lighting - Low Beam (DOT)<br>Forward Lighting - Low Beam (ECE Right Hand) |



## APPLICATIONS



## SMARTHEAT™ HEATING SYSTEM

The SmartHeat™ heating system senses ambient temperature and turns the integrated heating system in the lens on & off. This system actually clears ice & snow twice as fast as conventional halogen lamps.

### When does the heater turn on?

Heater turns on or off according to temperature changes and vehicle power:

- Heater will turn on when temperatures drop, generating enough heat to prevent ice build-up.
- Heater will turn on when powering up, de-icing the light as rapidly as possible.

### When does the heater turn off?

Heater will turn off when it senses temperatures increase and are above the high temperature threshold.

Learn more about this technology [here](#).

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# LED Headlights – Model 8800 Evolution 2

## ACCESSORIES

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**Part Number**  
**3269601**

Low Beam Harness for  
8800 Evolution 2  
Series



**Part Number**  
**3269611**

High Beam Harness for  
8800 Evolution 2  
Series

## RELATED PRODUCTS

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**Part Number**  
**0551371**

12-24V DOT/ECE LED  
RHT Low Beam  
Headlight with Chrome  
Bezel



**Part Number**  
**0551381**

12-24V DOT/ECE LED  
High Beam Headlight  
with Chrome Bezel



**Part Number**  
**0551391**

12-24V ECE LED LHT  
Low Beam Headlight  
with Chrome Bezel



**Part Number**  
**0551781**

12-24V DOT/ECE LED  
High Beam Heated  
Headlight with Chrome  
Bezel



**Part Number**  
**0552091**

12-24V ECE LED LHT  
Low Beam Heated  
Headlight with Chrome  
Bezel



**Part Number**  
**0552551**

12-24V DOT/ECE LED  
RHT Low Beam  
Headlight with Black  
Bezel



**Part Number**  
**0552561**

12-24V ECE LED LHT  
Low Beam Headlight  
with Black Bezel



**Part Number**  
**0552571**

12-24V DOT/ECE LED  
High Beam Headlight  
with Black Bezel

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