

# LED Headlights - Model 8910 Evolution 2

## PRODUCT INFORMATION

|                                      |   |
|--------------------------------------|---|
| <b>Description</b>                   | 12-24V ECE LED LHT High & Low Beam Heated Headlight with Chrome Inner Bezel |
| <b>Height</b>                        | 141.99 mm / 5.59 in   |
| <b>Width</b>                         | 199.90 mm / 7.87 in   |
| <b>Depth</b>                         | 95.00 mm / 3.74 in  |
| <b>Shape</b>                         | Rectangular   |
| <b>Outer Lens Material</b>           | 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>Retrofits</b>                     | 2B1 5" X 7" 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>                | 2.74 lbs / 1.24 kgs   |
| <b>Shipping Weight</b>               | 3.89 lbs / 1.76 kgs   |



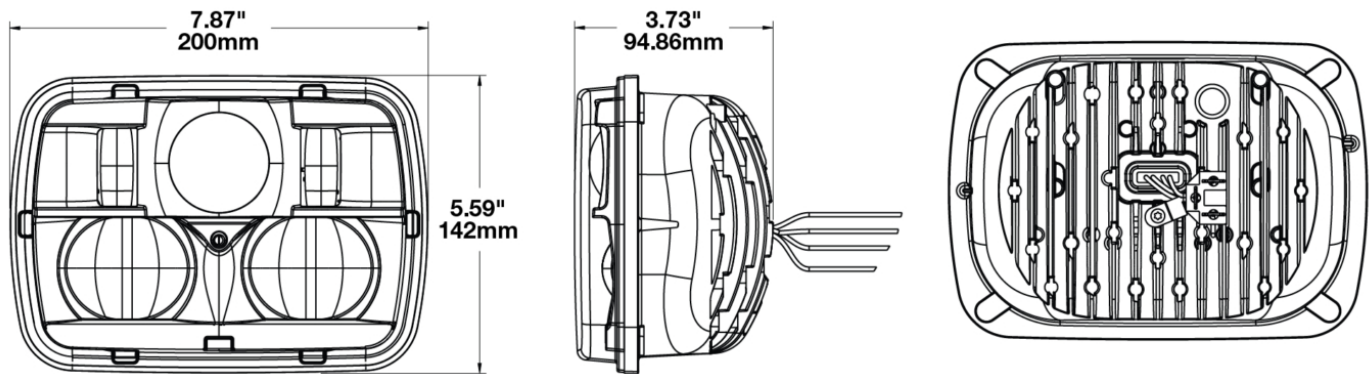
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 Engineered. Lighting. Solutions.

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## PRODUCT DIMENSIONS



## ELECTRICAL SPECIFICATIONS

|                                   |                                 |
|-----------------------------------|---------------------------------|
| <b>Input Voltage</b>              | 12-24V DC                       |
| <b>Operating Voltage</b>          | 10-32V DC                       |
| <b>Transient Spike Protection</b> | 150V Peak @ 1 HZ-100 Pulses     |
| <b>Black Wire</b>                 | Ground                          |
| <b>Yellow Wire</b>                | Low Beam                        |
| <b>White Wire</b>                 | High Beam                       |
| <b>Red Wire</b>                   | Front Position*                 |
| <b>Current Draw</b>               | 5.35A @ 12V DC (High Beam)      |
|                                   | 4.30A @ 12V DC (Low Beam)       |
|                                   | 2.80A @ 12V DC (Front Position) |
|                                   | 2.50A @ 24V DC (High Beam)      |
|                                   | 2.10A @ 24V DC (Low Beam)       |
|                                   | 1.32A @ 24V DC (Front Position) |

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## REGULATORY STANDARDS COMPLIANCE



Buy America Standards  
ECE Reg 7  
IEC IP69K

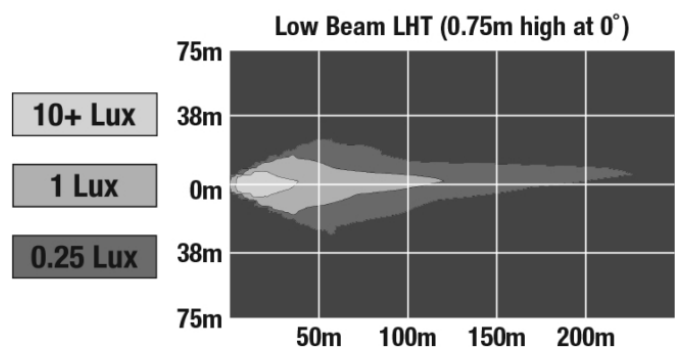
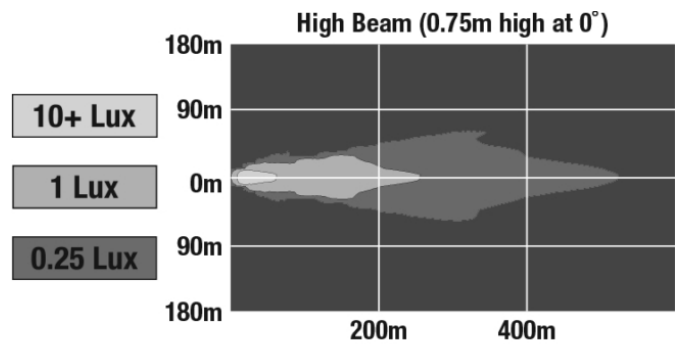
ECE Reg 112  
Eco Friendly

## PHOTOMETRIC SPECIFICATIONS

**Raw Lumen Output** 3,015 (High Beam); 2,250 (Low Beam)

**Effective Lumen Output** 1,320 (High Beam); 975 (Low Beam)

**Beam Pattern(s)** Forward Lighting - High Beam (ECE)  
Forward Lighting - Low Beam (ECE Left Hand)  
Signalization - Front Position



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## APPLICATIONS



## ADDITIONAL INFORMATION

\*Front position light is a requirement outside of North America. If your vehicle is operated in North America, you do not need to connect this wire unless your vehicle is equipped with a front position light.

## 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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## RELATED PRODUCTS

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**Part Number**  
**0554441**  
12-24V ECE LED LHT  
High & Low Beam  
Heated Headlight with  
Black Inner Bezel



**Part Number**  
**0554461**  
12-24V DOT/ECE LED  
RHT High & Low Beam  
Heated Headlight with  
Chrome Inner Bezel



**Part Number**  
**0554481**  
12-24V DOT/ECE LED  
RHT High & Low Beam  
Heated Headlight with  
Black Inner Bezel