

# LED Headlights - Model 8910 Evolution 2

## PRODUCT INFORMATION

|                                      |                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------|
| <b>Description</b>                   | 12-24V DOT/ECE LED RHT 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                                                             |



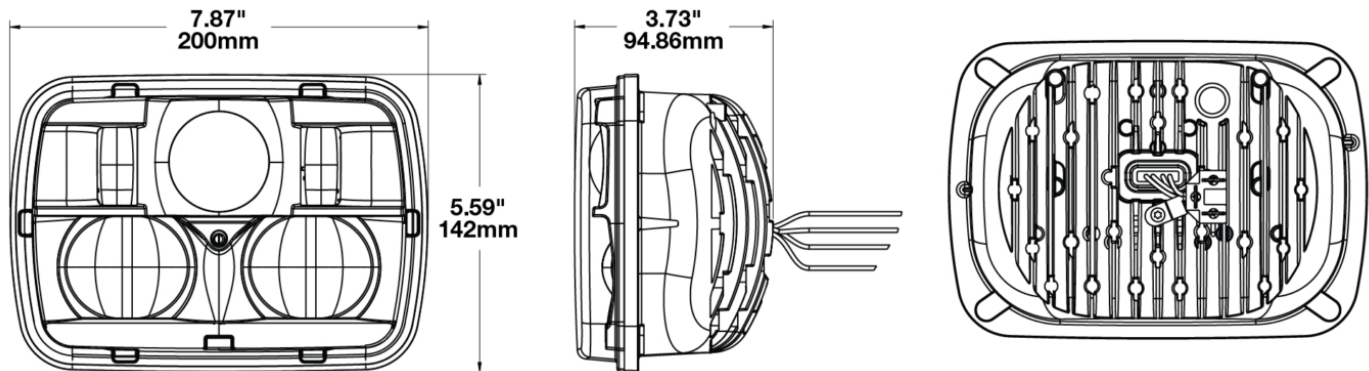
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## PRODUCT DIMENSIONS



## 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)<br>4.30A @ 12V DC (Low Beam)<br>2.80A @ 12V DC (Front Position)<br>2.50A @ 24V DC (High Beam)<br>2.10A @ 24V DC (Low Beam)<br>1.32A @ 24V DC (Front Position) |

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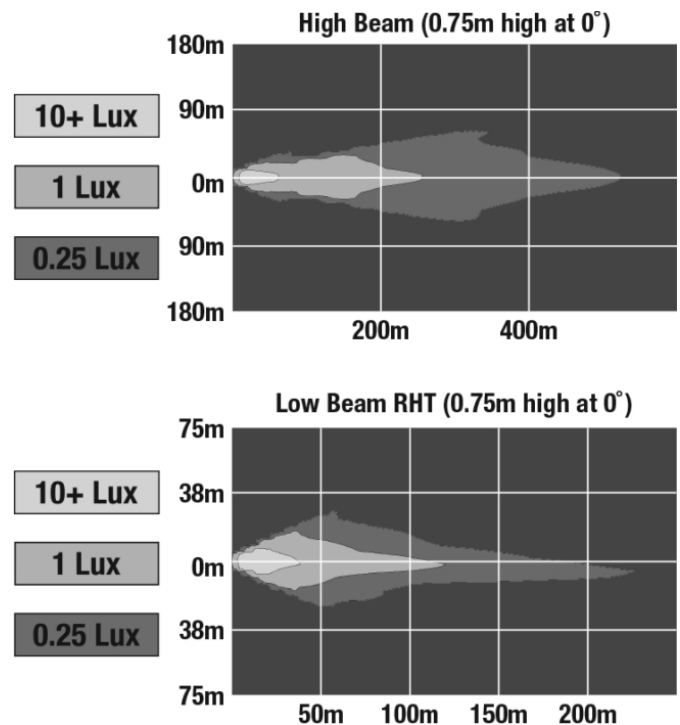
## REGULATORY STANDARDS COMPLIANCE



|                               |                             |
|-------------------------------|-----------------------------|
| Buy America Standards         | ECE Reg 10                  |
| ECE Reg 112                   | ECE Reg 7                   |
| Eco Friendly                  | FMVSS 108 s10.1 (Table XIX) |
| FMVSS 108 s10.1 (Table XVIII) | IEC IP69K                   |

## PHOTOMETRIC SPECIFICATIONS

|                               |                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Raw Lumen Output</b>       | 3,015 (High Beam); 2,250 (Low Beam)                                                                               |
| <b>Effective Lumen Output</b> | 1,320 (High Beam); 975 (Low Beam)                                                                                 |
| <b>Beam Pattern(s)</b>        | Forward Lighting - High Beam (DOT/ECE)<br>Forward Lighting - Low Beam (DOT/ECE)<br>Signalization - Front Position |



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## APPLICATIONS

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## ADDITIONAL INFORMATION

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\*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

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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](#).

## 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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## ACCESSORIES

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**Part Number**  
**8000381**

H4/H4 Anti-Flicker  
Harness for J.W.  
Speaker LED  
headlights

## RELATED PRODUCTS

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**Part Number**  
**0554421**

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



**Part Number**  
**0554441**

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



**Part Number**  
**0554481**

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