

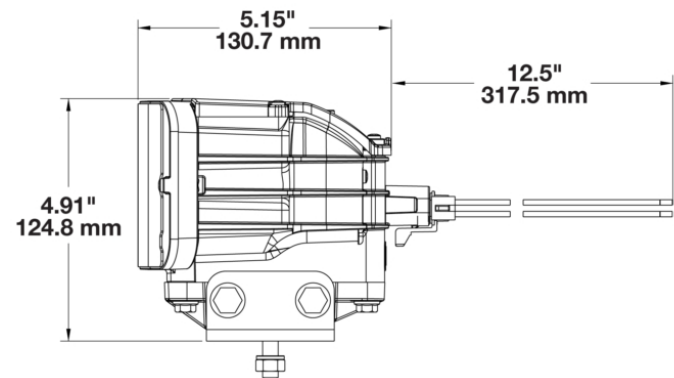
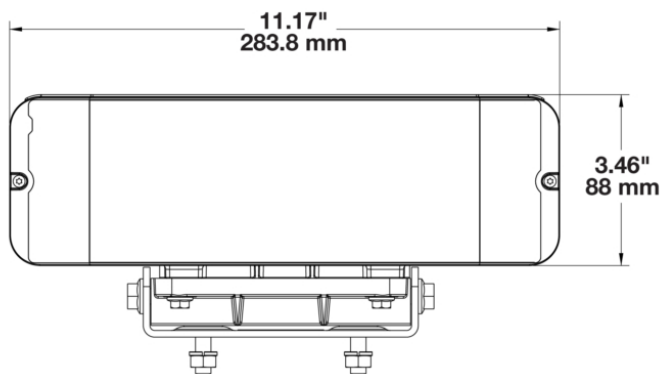
# LED Headlight - Model 9800 HS

## PRODUCT INFORMATION

|                                      |  |
|--------------------------------------|--|
| <b>Description</b>                   | 12-24V DOT LED High Speed Heated Headlight - 2 Light Kit |
| <b>Height</b>                        | 94.50 mm / 3.72 in                                       |
| <b>Width</b>                         | 291.60 mm / 11.48 in                                     |
| <b>Depth</b>                         | 133.20 mm / 5.24 in                                      |
| <b>Shape</b>                         | Rectangular  |
| <b>Outer Lens Material</b>           | Polycarbonate  |
| <b>Outer Lens Color</b>              | Clear  |
| <b>Housing Material</b>              | Xenoy  |
| <b>Housing Color</b>                 | Black  |
| <b>Mounting Hardware Description</b> | (x2) M8 - 1.25-80 mm x 25 mm SS Carriage Bolt - Per Lamp |
| <b>Mounting Type</b>                 | Universal Pedestal Mount                                 |
| <b>Connector or Wiring</b>           | 6-Pin Delphi (#12052848)                                 |
| <b>Mating Connector</b>              | Delphi (#12052848)                                       |
| <b>Shipping Weight</b>               | 8.09 lbs / 3.67 kgs                                      |



## PRODUCT DIMENSIONS



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# LED Headlight - Model 9800 HS

## ELECTRICAL SPECIFICATIONS

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|                      |  |
|----------------------|--|
| <b>Input Voltage</b> | 12-24V DC  |
| <b>Red Wire</b>      | Front Position   |
| <b>Black Wire</b>    | Ground   |
| <b>White Wire</b>    | High Beam  |
| <b>Yellow Wire</b>   | Turn   |
| <b>Blue Wire</b>     | Non-Functioning  |
| <b>Orange Wire</b>   | Low Beam   |
| <b>Current Draw</b>  | 1.75A @ 12V DC (Low Beam)<br>2.50A @ 12V DC (High Beam)<br>.750A @ 12V DC (Turn)<br>.040A @ 12V DC (Front Position)<br>2.00A @ 12V DC (Heater)<br>1.00A @ 24V DC (Low Beam)<br>1.50A @ 24V DC (High Beam)<br>.280A @ 24V DC (Turn)<br>.025A @ 24V DC (Front Position)<br>1.75A @ 24V DC (Heater) |

## REGULATORY STANDARDS COMPLIANCE

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Buy America Standards

Eco Friendly

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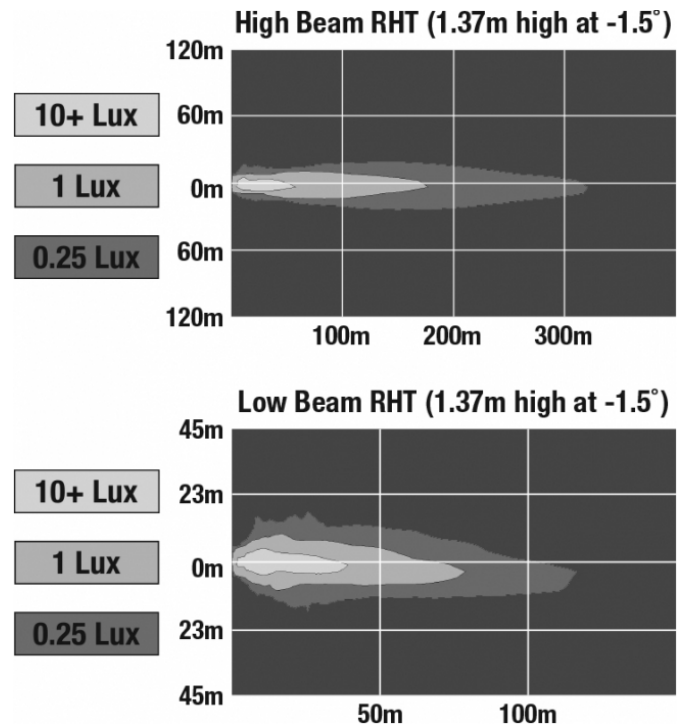
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## PHOTOMETRIC SPECIFICATIONS

|                                      |   |
|--------------------------------------|---|
| <b>Raw Lumen Output</b>              | 2,880 (High Beam); 2,160 (Low Beam)   |
| <b>Effective Lumen Output</b>        | 1,150 (High Beam); 800 (Low Beam)   |
| <b>Candela Output</b>                | 52,000  |
| <b>Nominal LED Color Temperature</b> | 5000 K  |
| <b>Beam Pattern(s)</b>               | Forward Lighting - High Beam (DOT)<br>Forward Lighting - Low Beam (DOT)<br>Signalization - Turn (Front) |



## APPLICATIONS



## ADDITIONAL INFORMATION

J.W. Speaker's Model 9800 HS is suited for snow plowing, whether "high speed" plowing on highways or residential plowing. Consult with your J.W. Speaker salesperson for more information.

The Model 9800 HS is not designed to be a plug and play for Boss snow plows. If you have a Boss snow plow please see your local Boss dealer for information on the right product to use.

Lamp design integrates acceptance of mating connector Delphi #1205848

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## 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](#).

See Additional Information on page 1 for heated wire installation