

# LED Headlights – Model 8630 Evolution

## PRODUCT INFORMATION

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<b>Description</b>	12-24V DOT/ECE LED RHT High & Low Beam Headlight with 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>	Polycarbonate
<b>Outer Lens Color</b>	Clear
<b>Housing Material</b>	Die Cast Aluminum
<b>Housing Color</b>	Black
<b>Bezel Color</b>	N/A
<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>	1.86 lbs / 0.84 kgs
<b>Shipping Weight</b>	2.89 lbs / 1.31 kgs
<b>Additional Information</b>	Class B Light



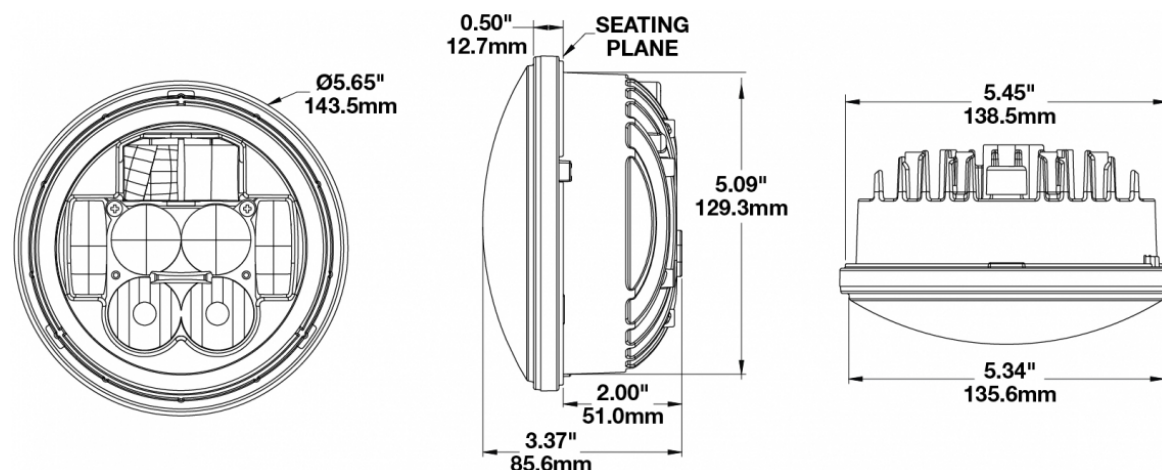
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**J.W. SPEAKER**   
*Engineered. Lighting. Solutions.*

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## PRODUCT DIMENSIONS



## ELECTRICAL SPECIFICATIONS

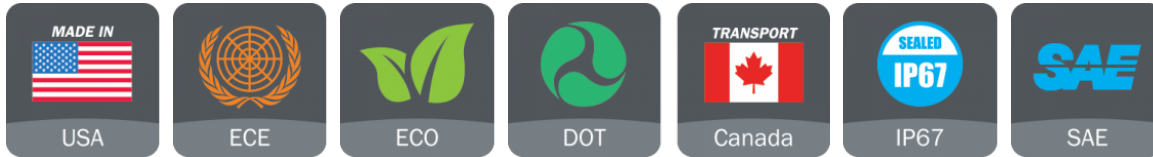
<b>Input Voltage</b>	12-24V DC
<b>Operating Voltage</b>	10-32V DC
<b>Transient Spike Protection</b>	150V Peak @ 1 HZ-100 Pulses
<b>Yellow Wire</b>	Low Beam
<b>White Wire</b>	High Beam
<b>Black Wire</b>	Ground
<b>Red Wire</b>	Front Position
<b>Purple Wire</b>	DRL
<b>Current Draw</b>	2.20A @ 12V DC (Low Beam)
	1.70A @ 14V DC (Low Beam)
	1.10A @ 24V DC (Low Beam)
	3.50A @ 12V DC (High Beam)
	2.70A @ 14V DC (High Beam)
	1.70A @ 24V DC (High Beam)
	0.09A @ 12V DC (Front Position)
	0.07A @ 14V DC (Front Position)
	0.04A @ 24V DC (Front Position)
	0.90A @ 12V DC (DRL)
	0.68A @ 14V DC (DRL)
	0.38A @ 24V DC (DRL)

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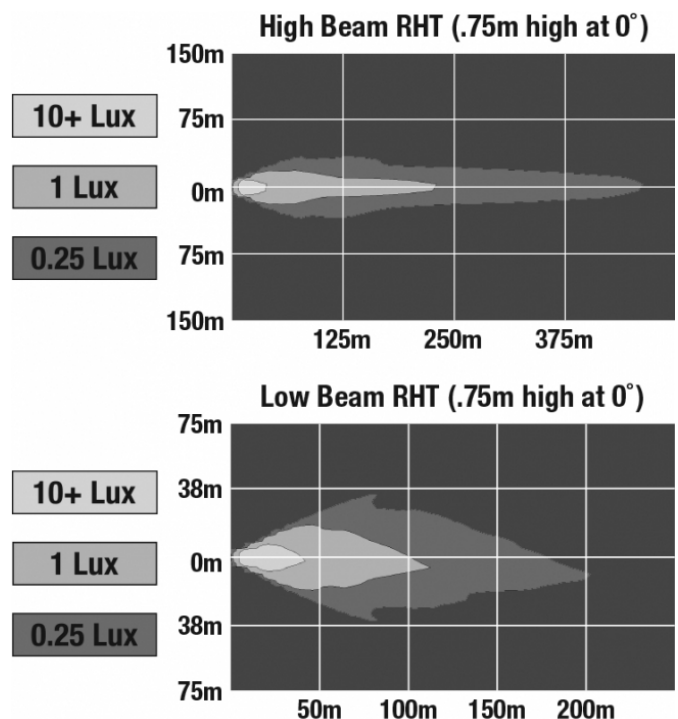
## REGULATORY STANDARDS COMPLIANCE



Buy America Standards	ECE Reg 10
ECE Reg 112	ECE Reg 7
ECE Reg 87	Eco Friendly
FMVSS 108 s10.1 (Table XIX)	FMVSS 108 s10.1 (Table XVIII)
IEC IP67	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>Candela Output</b>	61,684 (High Beam); 19,162 (Low Beam)
<b>Nominal LED Color Temperature</b>	5000 K
<b>Beam Pattern(s)</b>	Forward Lighting - Daytime Running Light Forward Lighting - High Beam (DOT/ECE) Forward Lighting - Low Beam (DOT) Forward Lighting - Low Beam (ECE Right Hand) Signalization - Front Position



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## APPLICATIONS

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## 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).

## ACCESSORIES

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**Part Number**  
**8200001**

Single Ring Kit  
Mounting Assembly for  
LED Headlight Model  
8630



**Part Number**  
**8200071**

Mounting Ring Kit for  
5.75" Round (PAR46)  
Headlights - PIERCE