

# LED Headlight - Model 8631 Evolution

## PRODUCT INFORMATION

---

<b>Description</b>	12-24V DOT/ECE LED RHT High & Low Beam Headlight with Turn Signal, 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>	Hardcoated Polycarbonate
<b>Outer Lens Color</b>	Clear
<b>Housing Material</b>	Aluminum
<b>Housing Color</b>	Black
<b>Mounting Type</b>	Panel
<b>Retrofits</b>	PAR 46
<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>	1.76 lbs / 0.8 kgs
<b>Shipping Weight</b>	3.10 lbs / 1.41 kgs



---

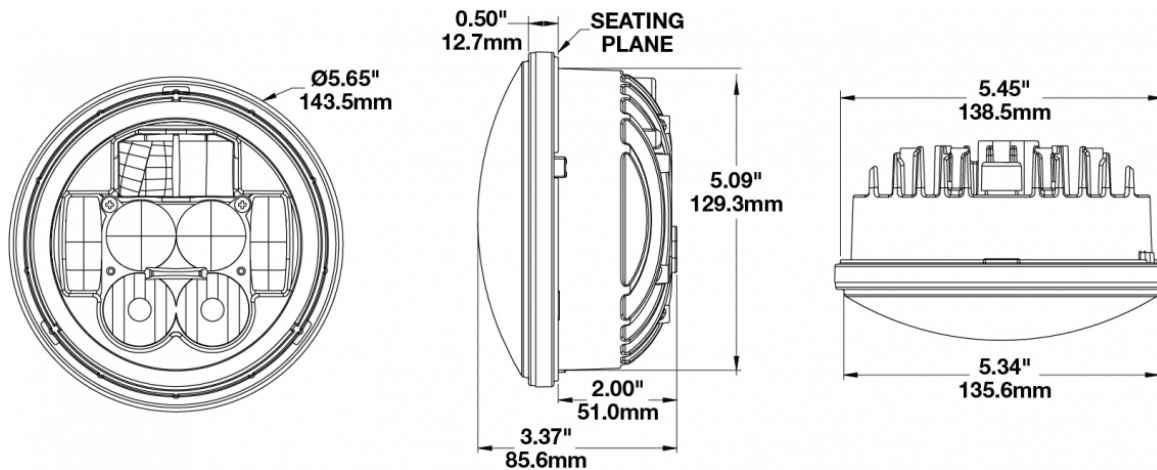
**Print date: 2017-10-22**

© 2017 J.W. Speaker Corporation • Germantown, WI U.S.A.  
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

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

# LED Headlight - Model 8631 Evolution

## PRODUCT DIMENSIONS



## ELECTRICAL SPECIFICATIONS

<b>Input Voltage</b>	12-24V DC
<b>Operating Voltage</b>	10-32V DC
<b>White Wire</b>	High Beam
<b>Yellow Wire</b>	Low Beam
<b>Black Wire</b>	Ground
<b>Red Wire</b>	Front Position
<b>Purple Wire</b>	DRL
<b>Orange / White Wire</b>	Front Turn
<b>Current Draw</b>	2.20A @ 12V DC (Low Beam)
	1.10A @ 24V DC (Low Beam)
	3.50A @ 12V DC (High Beam)
	1.70A @ 24V DC (High Beam)
	1.10A @ 12V DC (DRL)
	0.70A @ 24V DC (DRL)
	0.05A @ 12V DC (Front Position)
	0.05A @ 24V DC (Front Position)
	1.40A @ 12V DC (Front Turn)
	0.70A @ 24V DC (Front Turn)

Print date: 2017-10-22

© 2017 J.W. Speaker Corporation • Germantown, WI U.S.A.  
[www.jwspeaker.com](http://www.jwspeaker.com) • [speaker@jwspeaker.com](mailto:speaker@jwspeaker.com) • 262.251.6660

# LED Headlight - Model 8631 Evolution

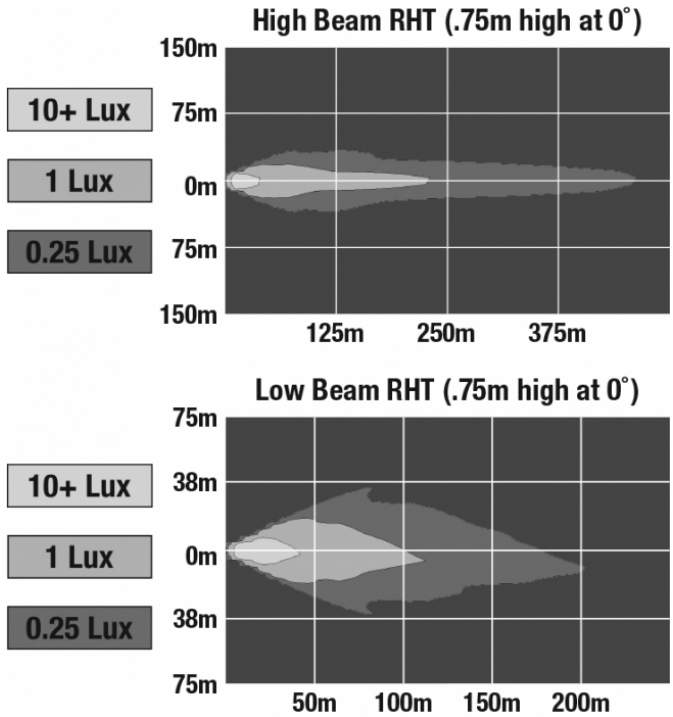
## REGULATORY STANDARDS COMPLIANCE



Buy America Standards	ECE Reg 112
ECE Reg 6	ECE Reg 7
ECE Reg 87	Eco Friendly
FMVSS 108 Table VI	FMVSS 108 Table X
FMVSS 108 Table XIX	FMVSS 108 Table XVIII
IEC IP67	SAE J1395
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>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 Signalization - Turn (Front)



Print date: 2017-10-22

© 2017 J.W. Speaker Corporation • Germantown, WI U.S.A.  
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660



# LED Headlight - Model 8631 Evolution

## APPLICATIONS

---



## ACCESSORIES

---



**Part Number**  
**3157751**

Double Ring Kit  
Mounting Assembly for  
LED Headlight Model  
8630



**Part Number**  
**8200001**

Single Ring Kit  
Mounting Assembly for  
LED Headlight Model  
8630

## RELATED PRODUCTS

---



**Part Number**  
**0551641**

12-24V ECE LED LHT  
High & Low Beam  
Headlight with Turn  
Signal, FP & DRL

---

Print date: 2017-10-22

© 2017 J.W. Speaker Corporation • Germantown, WI U.S.A.  
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660