

# LED LIGHTING

## TRANSPORT CATALOGUE



# LED LIGHTING

- BUS
- TRAM
- LOCOMOTIVE



## Australian Aftermarket LED Product Warranty Statement

J.W. Speaker Corporation's aftermarket LED products come with a Limited Warranty against defects in materials, components and workmanship. This Limited Warranty is not transferable and applies to the original installation of the J.W. Speaker Corporation LED light as long as the original consumer/purchaser owns the vehicle.

Please note that this warranty does not cover claims resulting from:

- Abuse, neglect and/or accidents
- Modifications and/or alterations
- Improper installation and/or use
- Chemicals and/or cleaners
- Voltage transients and/or spikes

In the unlikely event that you experience a problem that falls within the terms of the Limited Warranty, Invision Sales Pty Ltd, on behalf of J.W. Speaker Corporation will, at its discretion, either replace the defective product, or refund the purchase price of the product.

To make a warranty claim, simply return the product (along with all of the factory-issued components and proof of purchase) to the J.W. Speaker Corporation authorized dealer where the product was originally purchased and they will assist you with completing the claim process.

Note: Invision Sales Pty Ltd and J.W. Speaker do not cover the expense for removal or transportation of product to be claimed under this warranty statement.

This aftermarket product warranty is exclusive. J.W. Speaker Corporation has no other liability or obligation related to products. No other warranties are made; either expressed or implied, including without limitation, any implied warranties of title, non-infringement, merchantability or fitness for a particular purpose.

Limited Warranty Period:

- Headlamp inserts = 4 Years.
- Model Evolution 4000 LED Headlight Bulb Kits = 3 Years. (Mining & Industrial applications = 1 Year)
- Direct Fit LED Headlight Bulb Kits = 2 Years. (Mining and Industrial applications = 1 year)
- LED Signaling range = 2 Years. (Mining and Industrial applications = 1 year)

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.





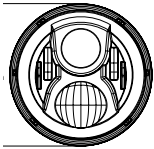
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# Model 8770 Gen 3

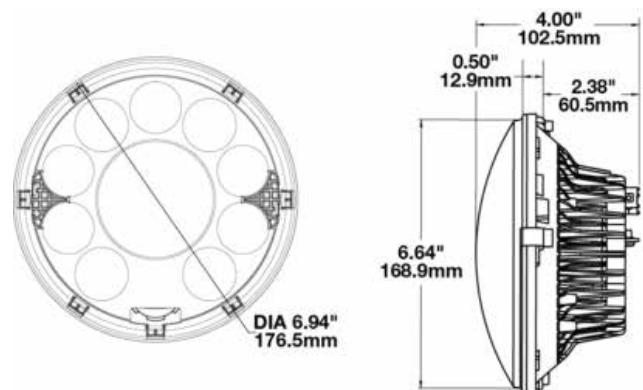
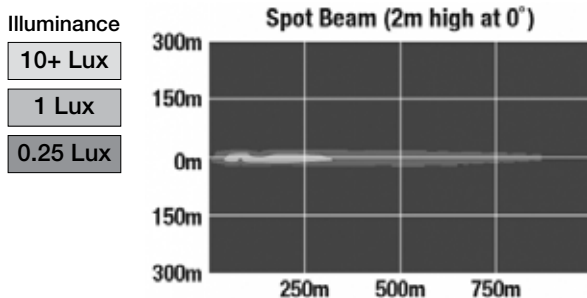
**LED 7" (178mm) Locomotive Headlight**  
(Low Beam / High Beam)



## PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,200 (High) Effective: 2,041 (High); 204 (Low) * Low beam is a dimmed 10% of Max Output *
Candela Output:	High Beam: 260,000 Low Beam: 26,000 * Low beam is a dimmed 10% of Max Output *
Input Voltage:	24V - 110V DC (18-130V DC Operating Voltage)
Maximum Current Draw:	2.10A @ 24V DC (High Beam) 0.75A @ 75V DC (High Beam) 0.55A @ 110V DC (High Beam) 1.00A @ 24V DC (Low Beam) 0.45A @ 75V DC (Low Beam) 0.30A @ 110V DC (Low Beam)
LED Colour:	5000K
Transient Spike Protection:	330V Peak @ 1 HZ-100 Pulses
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2D1 "PAR56" or 7" round headlights
Connector:	Standard Sealed Beam Style Screw Terminals
Standards:	Sealed to IP67 Tested to ECE Reg. 10 (Radiated Emissions only) FRA Title 49 CFR 229.125 (a) FRA Title 49 CFR 229.125 (b) FRA Title 49 CFR 229.125 (d) (2) Australian Standards: AS7531.1

## EFFECTIVE LUMENS ISOLUX CHARTS



8770 Gen 3 Product Range

Part No.	Pattern	Bezel	Size	Pack Qty
0555711	Low / High	Black	7" Round	Single

# LOCOMOTIVE LIGHTING

JW Speaker locomotive range, Model 8770GEN3, offers the most powerful replacement solution for 7" (178mm) Round locomotive headlights (PAR56).

## Features

- 200,000 minimum candela.
- Die-cast aluminium housing.
- Polycarbonate Lens for maximum protection.
- Designed to meet Australian Standards: AS7531.1
- Models available to suit 24/75/110 DC Volts

## Summary

- Designed for railroad locomotives using only high and low functionality (determined through a control line), the model 8770 can also be used as a ditch light application.
- Additional features include heavy-duty construction, solid-state electronics.
- LEDs are long-lasting, providing years of maintenance-free operation and lower life-cycle costs when compared to standard sealed beams or halogen lamps.



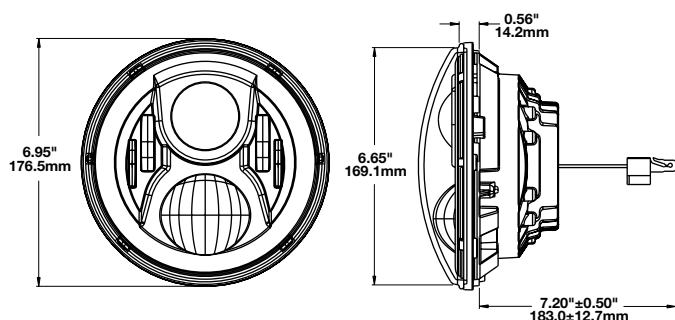
Contact Invision Sales for further information on the JW Speaker Locomotive range.



# Model 8700 EVO 2 PRO

## LED 7" (178mm) Headlight Inserts

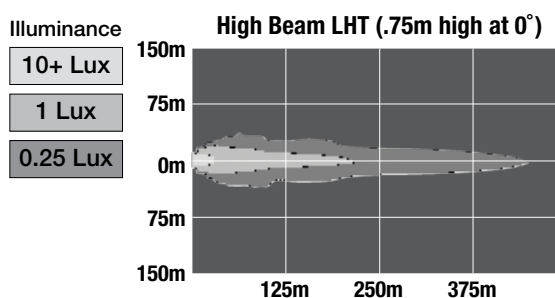
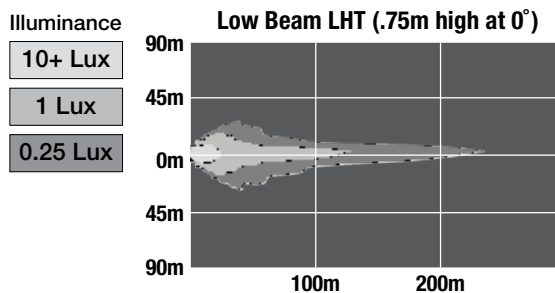
(Low Beam / High Beam / Park / DRL)



### PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 3,200(High); 1,770 (Low) Effective: 1,260 (High); 750 (Low)
Candela Output:	High Beam: 54,000 Low Beam: 35,003
Input Voltage:	12V - 24V DC
Maximum Current Draw:	4.20A @ 12V DC (High Beam)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2D1 "PAR56" or 7" round headlights
Connector:	H4
Wiring:	Black Wire: Ground Yellow Wire: Low Beam White Wire: High Beam Red Wire: Park (Front Position) Blue Wire: Daytime Running Light
Standards:	Sealed to IP67 ECE Reg 7, 10, 87 & 112

### EFFECTIVE LUMENS ISOLUX CHARTS



### 8700 EVO 2 PRO Product Range

Part No.	Pattern	Bezel	Size	Pack Qty
0556951	Low / High / Park / DRL	Chrome	7" Round	Single
0556961	Low / High / Park / DRL	Black	7" Round	Single

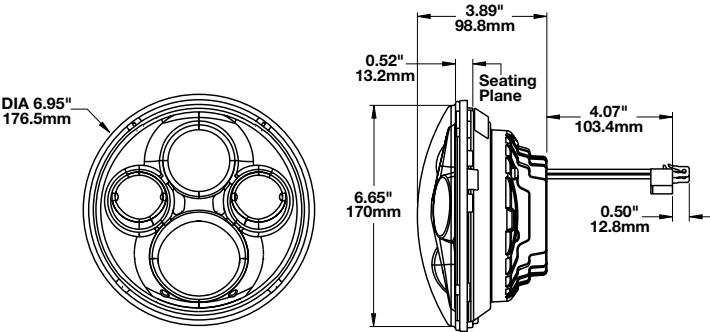
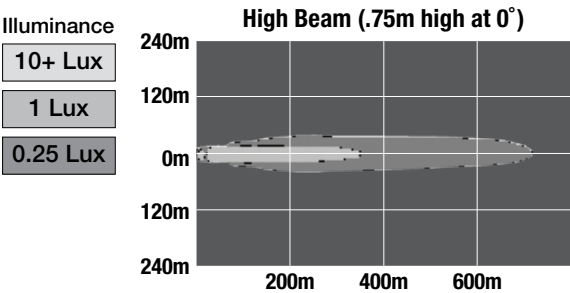
Model 8710

LED 7" (178mm) Headlight Inserts  
(High Beam)

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 3,300 Effective: 1,440
Candela Output:	133,000
Input Voltage:	12V - 24V DC
Current Draw:	4.80A @ 12V DC 2.50A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2D1 "PAR56" or 7" round headlights Optional Pedestal Mount: (x1) 3/8-16 x 1.5" Stainless Steel Screw
Connector:	H4
Wiring:	Black Wire: Ground White Wire: Positive
Standards:	Sealed to IP67 ECE Reg 112



EFFECTIVE LUMENS ISOLUX CHARTS

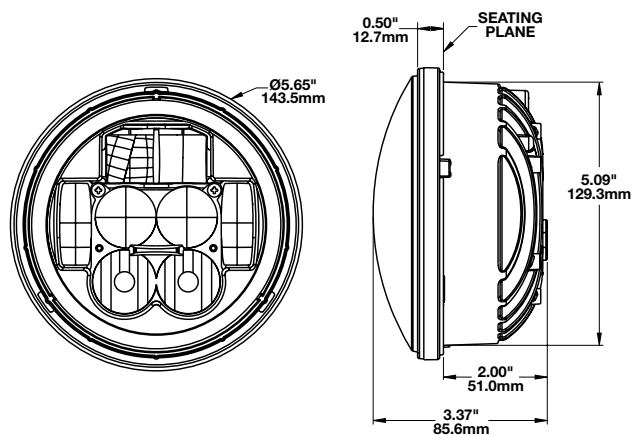


8710 Product Range

Part No.	Pattern	Bezel	Size	Pack Qty
0550011	High Beam	Chrome	7" Round	Single
0550021	High Beam	Black	7" Round	Single

# Model 8630 EVO

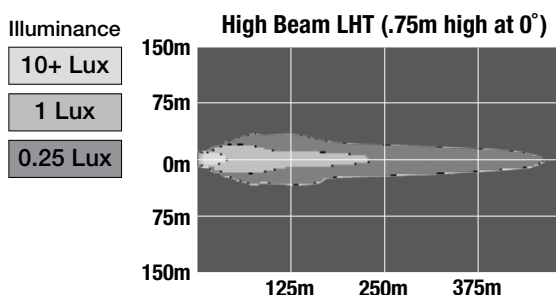
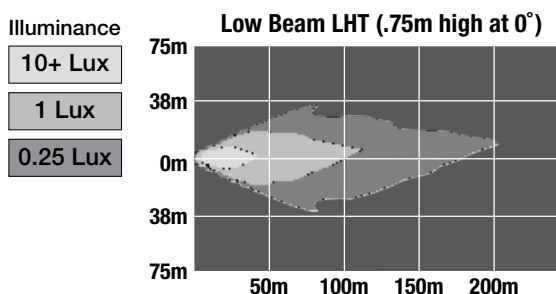
## LED 5¾" Round Headlight Insert (Low Beam / High Beam / Park / DRL)



### PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,925 (High); 2,025 (Low) Effective: 1,000 (High); 630 (Low)
Candela Output:	High Beam: 61,684 Low Beam: 19,162
Input Voltage:	12V - 24V DC
Maximum Current Draw:	3.50A @ 12V DC (High Beam)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR46 sealed beams
Connector:	Integral Connector in Housing simulating Delphi 12124107
Wiring:	Black Wire: Ground White Wire: High Beam Yellow Wire: Low Beam Red Wire: Park (Front Position) Purple Wire: Daytime Running Light
Standards:	Sealed to IP67 ECE Reg 7, 87 & 112

### EFFECTIVE LUMENS ISOLUX CHARTS



#### 8630 EVO Product Range

Part No.	Pattern	Size	Pack Qty
0549921	Low/High/Park/DRL	5¾" Round	Single

#### 8630 EVO Product Accessories

Part No.	Description	Pack Qty
8200001	8630 - Single Ring Kit Mounting Assembly	Single

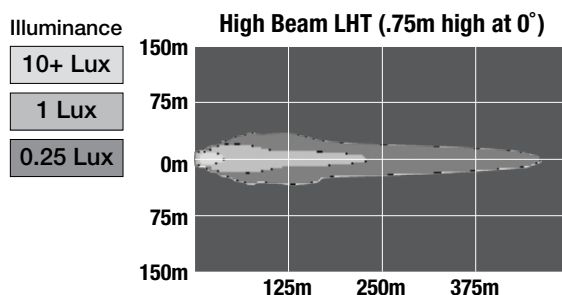
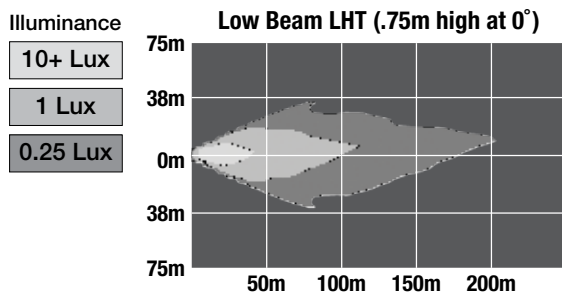


# Model 8631 EVO

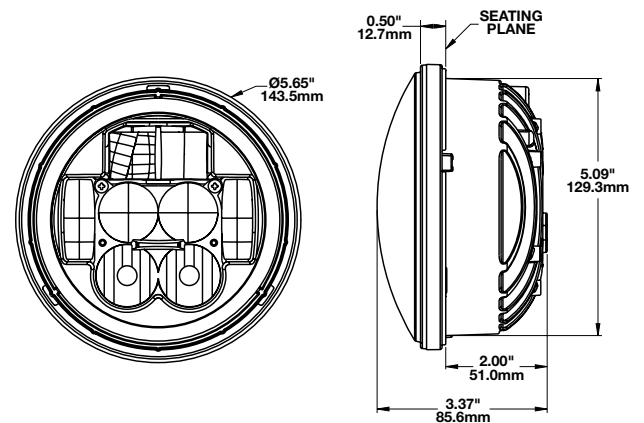
## LED 5¾" Round Headlight Insert (Low Beam / High Beam / Park / DRL / Turn Signal)

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,925 (High); 2,025 (Low) Effective: 1,000 (High); 630 (Low)
Candela Output:	High Beam: 61,684 Low Beam: 19,162
Input Voltage:	12V - 24V DC
Maximum Current Draw:	3.50A @ 12V DC (High Beam)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR46 sealed beams
Connector:	Integral Connector in Housing simulating Delphi 12124107
Wiring:	Black Wire: Ground White Wire: High Beam Yellow Wire: Low Beam Red Wire: Park (Front Position) Purple Wire: Daytime Running Light Orange / White Wire: Turn (Indicator)
Standards:	Sealed to IP67 ECE Reg 6, 7, 87 & 112

### EFFECTIVE LUMENS ISOLUX CHARTS



8632 Pedestal Mount



### 8631 EVO Product Range

Part No.	Pattern	Size	Pack Qty
0551641	Low/High/Park/DRL/Turn	5¾" Round	Single

### 8632 EVO Product Range - Pedestal Mount

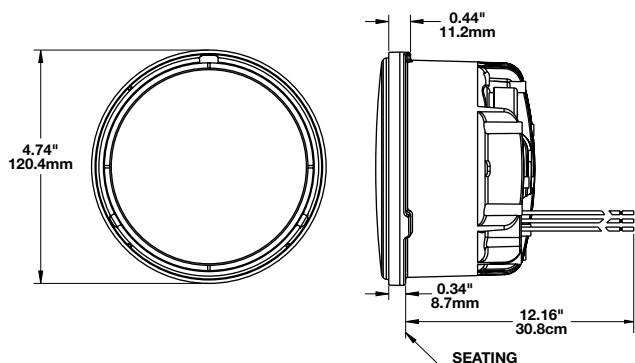
Part No.	Pattern	Size	Pack Qty
0551973	Low/High/Park/DRL/Turn	5¾" Round	Twin Pack

### 8631 EVO Product Accessories

Part No.	Description	Pack Qty
8200001	8631 - Single Ring Kit Mounting Assembly	Single

# Model 6130 EVO

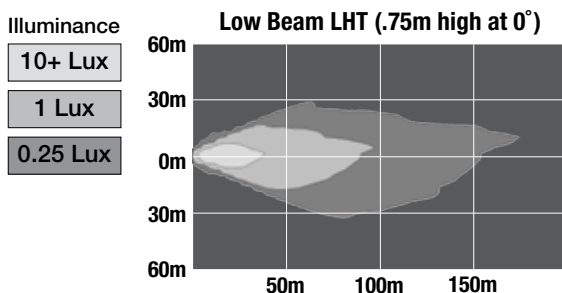
## LED 4¾" Round Headlight Insert (Low Beam / DRL) & (High Beam / Park)



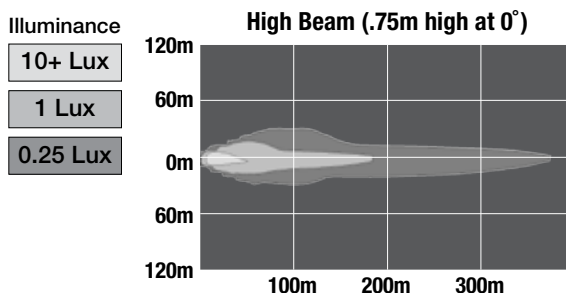
### PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 1,760 (High); 1,690 (Low) Effective: 955 (High); 640 (Low)
Input Voltage:	12V - 24V DC
Current Draw:	<b>0549861 - Low / DRL</b> 2.07A @ 12V DC (Low Beam) 0.96A @ 24V DC (Low Beam) 0.44A @ 12V DC (DRL) 0.24A @ 24V DC (DRL) <b>0549871 - High / Park</b> 1.84A @ 12V DC (High Beam) 0.84A @ 24V DC (High Beam) 0.11A @ 12V DC (Front Position) 0.09A @ 24V DC (Front Position)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR38 sealed beams
Connector:	12" Flying Leads
Wiring:	Black Wire: Ground White Wire: Low & High Beam Yellow Wire: DRL & Park (Front Position)
Standards:	Sealed to IP67 ECE Reg 112 ECE Reg 7 (High) ECE Reg 87(Low)

### EFFECTIVE LUMENS ISOLUX CHARTS



### EFFECTIVE LUMENS ISOLUX CHARTS



#### 6130 EVO Product Range

Part No.	Pattern	Bezel	Size	Pack Qty
0549861	Low/DRL	Black	4¾" Round	Single
0549871	High/Park	Black	4¾" Round	Single

#### 6130 Product Accessories

Part No.	Description	Pack Qty
8000861	Single ring kit mounting assembly	Single

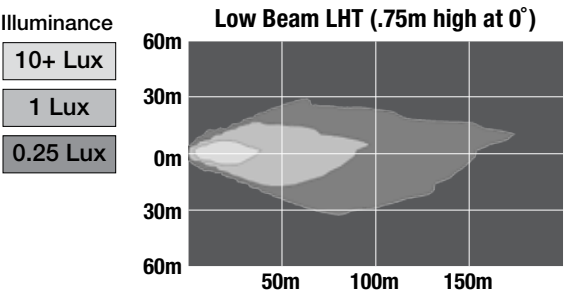
# Model 6130 EVO

## LED 4¾” Round Headlight Insert (Low Beam / High Beam / Park)

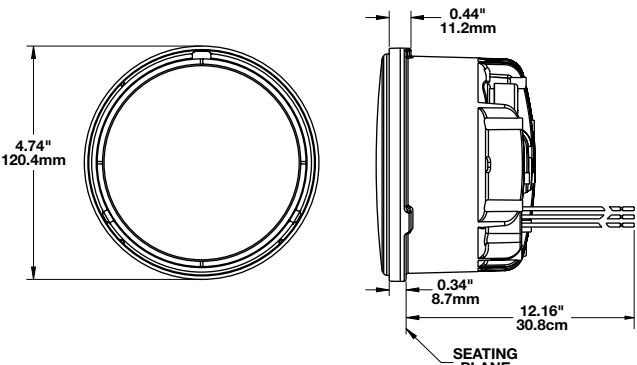
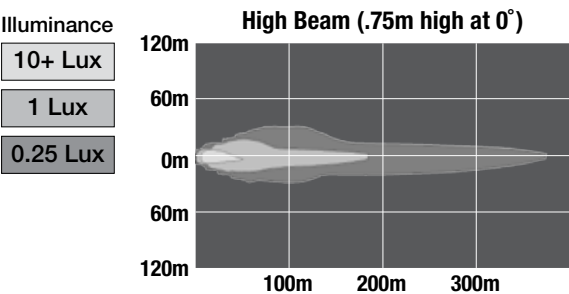
PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,230 (High); 1,330 (Low) Effective: 840 (High); 440 (Low)
Input Voltage:	12V - 24V DC
Current Draw:	3.00A @ 12V DC (High Beam) 1.43A @ 24V DC (High beam) 2.30A @ 12V DC (Low Beam) 1.01A @ 24V DC (Low Beam) 0.12A @ 12V DC (Front Position) 0.09A @ 24V DC (Front Position)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR38 sealed beams
Connector:	12” Flying Leads
Wiring:	Black Wire: Ground White Wire: High Beam Yellow Wire: Low Beam Red Wire: Park (Front Position)
Standards:	Sealed to IP67 ECE Reg 7 & 112



### EFFECTIVE LUMENS ISOLUX CHARTS



### EFFECTIVE LUMENS ISOLUX CHARTS



#### 6130 EVO Product Range

Part No.	Pattern	Bezel	Size	Pack Qty
0549891	Low/High/Park	Black	4¾” Round	Single

#### 6130 Product Accessories

Part No.	Description	Pack Qty
8000861	Single ring kit mounting assembly	Single



# Model 93

## LED 4¾" Round Headlight Insert (Low Beam / DRL) & (High Beam / Park)



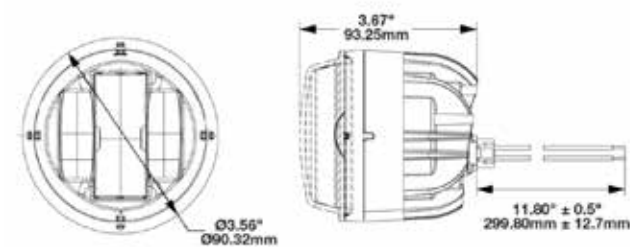
### PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 630 (High); 1,910 (Low); 1,435 (Fog) Effective: 230 (High); 575 (Low); 607 (Fog)
Candela Output:	45,000 (High); 18,500 (Low); 7,500 (Fog)
Input Voltage:	12V - 24V DC
Current Draw:	<b>1.97A @ 12V DC (Low Beam)</b> 0.98A @ 24V DC (Low Beam) 0.80A @ 12V DC (High Beam) 0.40A @ 24V DC (High Beam) 0.40A @ 12V DC (Front Position) 0.20A @ 24V DC (Front Position) 1.25A @ 12V DC (Fog) 0.70A @ 24V DC (Fog)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Connector:	High Beam: Deutsch DT04-3P (Deutsch DT06-3S Mating) Low Beam & Fog: Deutsch DT04-2P (Deutsch DT06-2S Mating)
Wiring:	Black Wire: Ground Red Wire: Positive White Wire: High Beam (0554381 Only) Yellow Wire: Park (0554381 Only)
Standards:	Sealed to IP69K ECE Reg 7 & 112 (High) ECE Reg 19 (Fog)

8001461 & 8001471 - 3 Point Mount - 1.5 & 3mm thick mounting



8001621 - Double lamp pedestal mount



### 6130 EVO Product Range

Part No.	Pattern	Bezel	Size	Pack Qty
0553091	Low	Black	90mm Round	Single
0554381	High / Park	Black	90mm Round	Single
0556701	Fog	Black	90mm Round	Single

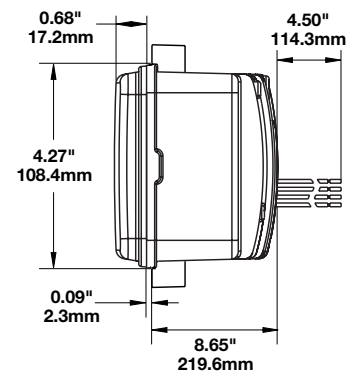
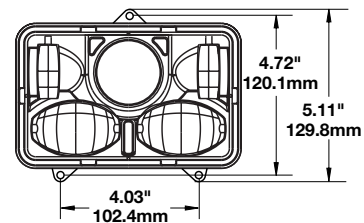
### 6130 Product Accessories

Part No.	Description	Pack Qty
8001461	3 Point Mount - 1.5mm thick mounting	Single
8001471	3 Point Mount - 3mm thick mounting	Single
8001621	Double lamp pedestal mount	Single

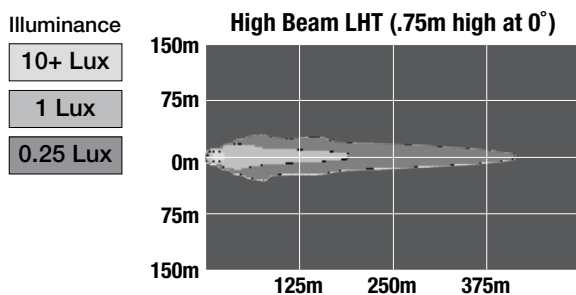
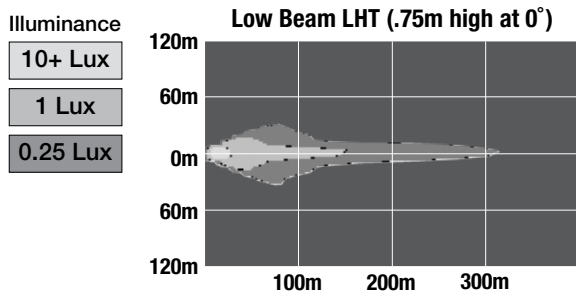
# Model 8820

## LED 4" x 6" Headlight Inserts (Low Beam / High Beam / Park)

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,100 (High); 1,850 (Low) Effective: 755 (High); 645 (Low)
Input Voltage:	12-24V DC
Current Draw:	1.11A @ 12V DC (Low Beam) 0.96A @ 24V DC (Low Beam) 2.14A @ 12V DC (High Beam) 1.56A @ 24V DC (High Beam) 0.056A @ 12V DC (Front Position) 0.065A @ 24V DC (Front Position)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Panel or 3-Point Mount
Connector:	12" Flying Leads
Wiring:	Black Wire: Ground White Wire: High Beam Yellow Wire: Low Beam Red Wire: Park (Front Position)
Standards:	Sealed to IP67 ECE Reg 7 & 112 Military Standard: MIL-PRF-32243



### EFFECTIVE LUMENS ISOLUX CHARTS

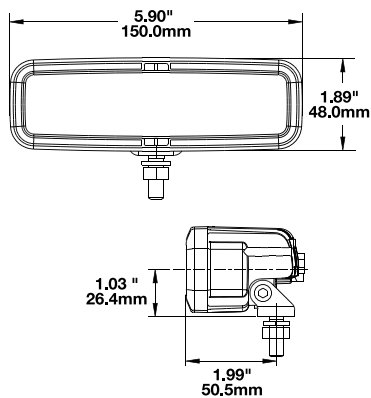
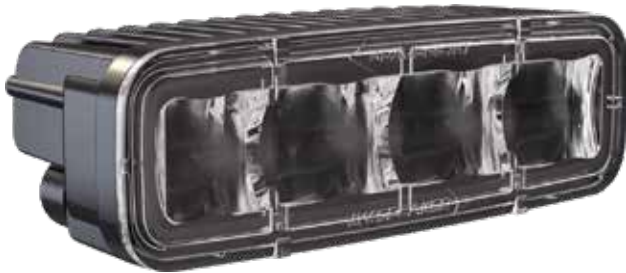


### 8820 Product Range

Part No.	Pattern	Bezel	Mount Type	Size	Pack Qty
0550941	Low/High/Park	Black	Panel Mount	4" x 6"	Single
0550281	Low/High/Park	Black	3-Point Mount	4" x 6"	Single

# Model 793

**LED 6" x 2" Safety Light**  
**Blue, Amber & Red**



## PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 496 Effective: 110
Candela Output:	1,200
Input Voltage:	12-110V DC
Current Draw:	1.00A @ 12V DC 0.54A @ 24V DC 0.35A @ 48V DC 0.27A @ 110V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal / Pendant
Mounting Hardware:	(x2) 5/16-18 x 1.00" Mounting Bolt
Connector:	Deutsch DT04-2P & Deutsch DT06-2S (Harness included with flying leads)
Wiring:	Black Wire: Negative Red Wire: Positive
Weight:	0.39 kgs
Standards:	Sealed to IP69K UL Recognised Tested to ECE Reg. 10 (Radiated Emissions Only)
Dimensions:	Height: 48.00mm Width: 150.00mm Depth: 63.00mm



## 793 Product Range

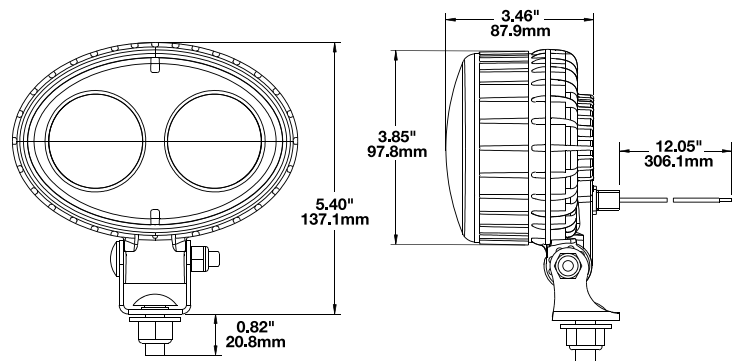
Part No.	Pattern	Lens	Voltage	Colour Temp
1603641	Keep Out Zone	Polycarbonate	12-110V	Blue
1603651	Keep Out Zone	Polycarbonate	12-110V	Amber
1603631	Keep Out Zone	Polycarbonate	12-110V	Red



# Model 770

## LED 5" x 3" Safety Light - Blue & Red

PRODUCT SPECIFICATIONS		
Light Source:	LED (Light Emitting Diodes)	
Input Voltage:	12-110V DC	
Current Draw:	<b>Blue</b>	<b>Red</b>
	0.50A @ 12V DC	0.19A @ 12V DC
	0.12A @ 60V DC	0.05A @ 60V DC
	0.08A @ 110V DC	0.04A @ 110V DC
Lens Material:	Polycarbonate	
Body Material:	Polycarbonate	
Mounting:	Universal Pedestal Mount	
Mounting Hardware:	(x1) M10-1.5 x 25mm	
Connector:	Integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)	
Wiring:	Red Wire: Positive Black Wire: Negative	
Weight:	0.59 kgs	
Standards:	Sealed to IP69K SAEJ1455 Tested to ECE Reg 10 (Radiated Emissions Only)	
Dimensions:	Height:	137.16mm
	Width:	144.27mm
	Depth:	87.88mm



### 770 Product Range

Part No.	Pattern	Lens	Voltage	Colour Temp
1706311	Keep Out Zone	Polycarbonate	12-110V	Blue
1706441	Keep Out Zone	Polycarbonate	12-110V	Red

# THE COMPLETE RANGE IS EXTENSIVE

For the full extended range of  
LED lighting by J.W. Speaker,  
visit **[www.invisionsales.com](http://www.invisionsales.com)**



AUTOMOTIVE • TRANSPORT • AGRICULTURE • 4WD • INDUSTRIAL

For further details about the J.W. Speaker range contact Invision Sales.  
Invision Sales are the Asia Pacific distributors for J.W. Speaker Corporation.