



# LED LIGHTING

PUBLIC TRANSPORTATION &  
COMMERCIAL VEHICLES

**J.W. SPEAKER**

*Engineered. Lighting. Solutions.*



---

# DRIVEN. TO SEE MORE.



We recognize that in order to be the best, we must remain focused on developing innovative and high-quality LED vehicle lighting solutions that are second to none. We understand the need to constantly explore new and emerging LED technologies with the goal of providing better performance for our OEM and aftermarket customers.



## A LEGACY OF INNOVATION

### OEM ORIGINS AND AFTERMARKET ADVANCEMENT

A lot has changed since J.W. Speaker became the leader in LED lighting technology. Vehicles are sleeker. Lights are brighter. And the world seems both larger — yet smaller — than ever before.

But some things remain the same. J.W. Speaker continues its commitment to innovative LED lighting systems. Established in scientific principles and revolutionary design — we're continuously striving for the next great discovery. We're still excited with every new product launch. We're still compelled to impress every customer. And we're still driven to see more.

We understand what's most important; J.W. Speaker engineers and designers transform the science of light into tangible real-world LED solutions to enhance every driving experience and keep you safer on the road. Because we manage everything — from conception to production — we can meet your exacting demands for performance, as well as our own for perfection.

# REGULATIONS

## SURPASSING STANDARDS WORLDWIDE.

J.W. Speaker is committed to making the best products to be used legally on-road around the world. To do that, we design lights that meet and exceed the requirements for a variety of regulations:



The Federal Motor Vehicle Safety Standard regulates all automotive lighting, signaling, and reflective devices in the U.S.A. and is enforced by the Department of Transportation (**DOT**)



Many countries recognize the United Nations Economic Commission for Europe (**ECE**) Transport Division's regulations and mirror the ECE regulations in their own national requirements



**SAE** International develops standards for the engineering of powered vehicles mainly in the U.S.A. and Canada, including cars, trucks, boats, aircraft, and more



**Transport Canada** is responsible for developing regulations, policies, and services relating to transportation in Canada



The Australian Design Rules (**ADR**) are national standards for vehicle safety, anti-theft, and emissions

## KEY TERMS

**Daytime Running Light (DRL):** Headlights that include DRL in their design will automatically switch on the daytime running light when the vehicle is moving forward, emitting a white light to increase the visibility of the vehicle during daylight conditions.

**Front Position (FP):** This part of a headlight provides added visibility of your vehicle to other drivers, particularly helpful for nighttime visibility while parked.

**Left Hand Traffic (LHT):** referring to which side of the road a driver uses. For instance, a driver in the UK is Left Hand Traffic and would use two LHT lights.

**Right Hand Traffic (RHT):** referring to which side of the road a driver uses. For instance, a driver in Canada is Right Hand Traffic would use two RHT lights.



# LUMENS & BEAM PATTERNS

## RAW LUMENS:

A measure of the **theoretical** output of a light

**Calculated** by multiplying the manufacturer's lumen rating for the LED by the number of LEDs in the finished light

**Does not represent** the actual light output as it doesn't account for thermal, assembly and optical losses that impact all lights

### Example Calculation:

LED is rated at 100 Lumens

8 LEDs in the finished light

**$100 \times 8 = 800$  Raw Lumens**

## EFFECTIVE LUMENS:

A measure of the **actual** output of a light

**Measured** using a photometric testing device for an exact measurement of a finished light for an accurate value of light output

**Represents** the actual light output of the finished light after thermal, assembly and optical losses

### Example Measurement:

Raw Lumens = 800

Losses = ~40% of Raw Lumens ( $800 \times .4 = 320$ )

**$800 - 320 = 480$  Effective Lumens**

J.W. Speaker uses photometric testing devices and optical engineers to measure the Effective Lumens of our products to give you accurate light output values.

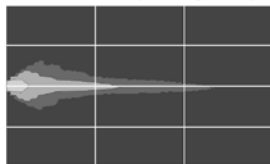
## BEAM PATTERNS

Each light pattern is designed and tested by optical engineers to give you the best possible beam pattern to drive behind.

Below are examples of the common beam patterns.

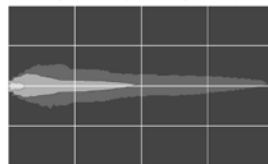
Our engineers design each product to project light in the areas you need it **and** comply with the legal requirements for on-road use in the countries the product is intended to be used in.

Low Beam RHT (.75m high at 0°)



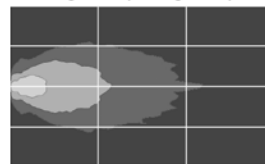
Illuminates across the road and ahead of the vehicle, with a cutoff to prevent glare for oncoming traffic

High Beam (.75m high at 0°)



Bright light for distance illumination above and below the horizon, when not following or passing vehicles

Fog Beam (.5m high at 0°)



Short and wide pattern to illuminate area just above the ground & in front of the vehicle

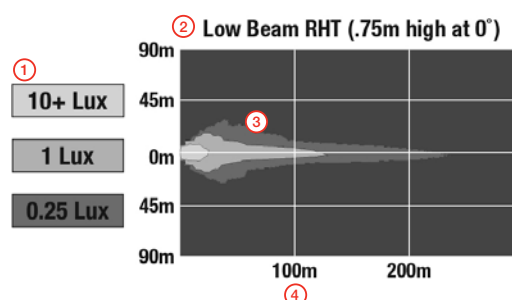
## PARTS OF A LIGHT DIAGRAM

**Lux Key<sup>1</sup>:** Intensity of the light measured

**Title<sup>2</sup>:** The type of beam pattern, and the height and angle of the light when it was measured

**Light Pattern<sup>3</sup>:** A "bird's eye view" showing the shape, intensity, and distance

**Distance Markers<sup>4</sup>:** Reference in meters (m) for the size and distance of the light pattern



# COLOR TEMPERATURE & IP RATINGS

Measured in degrees Kelvin, color temperature describes how cool or warm the light emitted by a source is. Any object will emit light if it is heated to a high enough temperature. The color of the light will change in a predictable way as the temperature increases, shown on the Kelvin Scale.

## Warm: 0 to 3,000K

Used in living spaces or retail stores  
Similar to the rising and setting sun  
Can fatigue eyes and make people feel tired

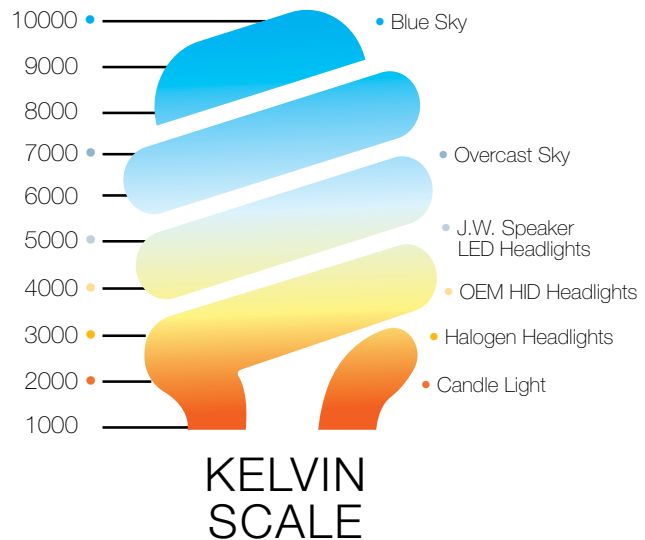
## Neutral White: 3,500 to 4,900K

Used in bathrooms, offices, classrooms & malls  
Clean and neutral lighting that is inviting  
Promotes efficiency and similar to daylight

## Cool: 5,000-7,000K

Used in hospitals, manufacturing, & construction areas  
Promotes alertness and attention to detail  
Mimics daylight and makes people feel more awake

J.W. Speaker uses LEDs and designs lights with a color temperature of 5,000K to give drivers crisp, white light for the best visibility, and to promote alertness and safety.



Color temperature does not measure or indicate the physical heat coming from a light source.

## IP RATINGS

The Ingress Protection (IP) Code outlines a system of classification for the protection of electrical enclosures against the intrusion of foreign bodies like tools, fingers, dust, and moisture. The system of classification was specified by the International Electrotechnical Commission and is officially designated as IEC 60529.

### FIRST # - DEGREE OF INGRESS PROTECTION

The degree of protection against contact with moving parts and the degree that the equipment is protected against solid foreign bodies intruding into an enclosure.

IP #	DESCRIPTION
0	No protection provided.
1	Protection against entry of objects larger than 50 square mm.
2	Protection against entry of objects larger than 12 square mm.
3	Protection against entry of objects larger than 2.5 square mm.
4	Protection against entry of objects larger than 1.0 square mm.
5	Protection against entry of dust in sufficient quantity to prevent satisfactory operation.
6	Complete protection against entry dust.

### SECOND # - DEGREE OF MOISTURE PROTECTION

The degree of protection for the equipment inside the enclosure against the harmful entry of various forms of moisture (e.g. dripping, spraying, submersion, etc.)

IP #	DESCRIPTION
0	No protection provided.
1	Protection against drops of water falling vertically.
2	Protection against drops of water falling vertically when the light assembly is tilted up to 15 degrees from its normal position.
3	Protection from entry of water spray from angle of up to 60 degrees from vertical.
4	Protection from entry of water splashes or spray from any direction.
5	Protection from a low pressure jet of water in any direction.
6	Protection against heavy seas or a strong jet of water in any direction.
7	Protection against immersion up to 1 meter.
8	Protection against submersion over 1 meter.
9K	Protection against high pressure cleaning



# NEW MOSAIC



## All New Mosaic Modular Lighting System

Custom designs without custom costs or timing! Avoid high optical tooling and homologation costs with the Mosaic Modular LED lighting system designed specifically for OEM and aftermarket customers seeking unique, high-quality, customized vehicle lighting. Ideal for buses, trucks, RVs, cars, motorcycles, ebikes, and ATV/UTV applications. OEMs can use the versatile Mosaic Modular LED Lighting System to configure lighting designs quickly and cost-effectively. Because the lights are standard J.W. Speaker offerings, there are no additional tooling costs. Plus, they're DOT & ECE approved, so they're ready for everyday on-road use immediately. Choose your light and partner with our experienced design team to create a unique lighting assembly to meet your placement and style preferences.

## PRODUCT SPECIFICATIONS

### Raw Lumen Output:

1,800 (High Beam); 2,080 (Symmetric Low Beam);

### Effective Lumen Output:

400 (High Beam); 725 (Symmetric Low Beam)

### Candela Output:

46,200 (High Beam); 10,200 (Symmetric Low Beam)

### Operating Voltage:

9-36V DC

### Current Draw\*:

High Beam: 2.0A @ 12V DC; 0.7A @ 24 V DC

Symmetric Low Beam: 1.5A @ 12V DC; 0.66A @ 24 V DC

RHT Low Beam: 1.92A @ 12.8V DC

Fog: 1.5A @ 12V DC; 0.66A @ 24V DC

Cornering: 1.5A @ 12V DC; 0.66A @ 24V DC

DRL: 1.0A @ 12V DC

Front Position: 0.18A @ 12V DC

\* For the full listing of Current Draws, please visit the respective Product Number's Specification Sheet on our website at [www.jwspeaker.com](http://www.jwspeaker.com)

### Standards & Application:



HIGH BEAM

LOW BEAM  
(PUNCH)

LOW BEAM  
(SPREAD)

CORNERING



DRL



TURN



MOUNTING  
HARDWARE



PEDESTAL  
MOUNT



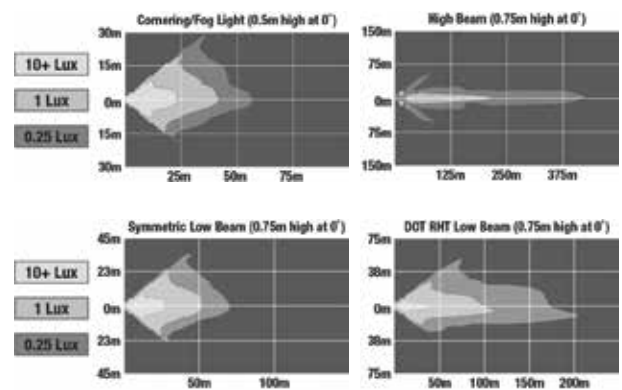
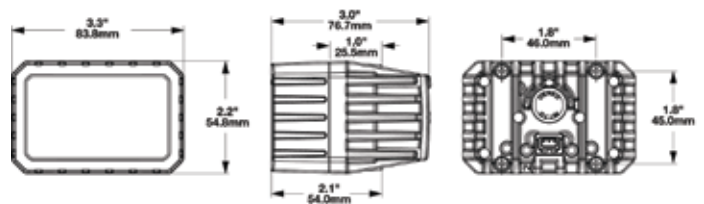
## SIGNLE HEADLIGHTS

PART #	DESCRIPTION
0347971	12-24V LED DOT/ECE DI & DRL Light
0556821	12V LED SAE/ECE Fog Light
0556831	12V LED SAE High Beam & DRL Headlight
0557941	12V LED SAE/ECE Cornering Light
0558321	12V LED SAE/ECE Symmetric Low Beam Headlight
0560121	24V LED ECE High Beam & Front Position Headlight
0560141	24V LED ECE Symmetric Low Beam Headlight
0560161	24V LED ECE Fog Light
0560171	24V LED ECE Cornering Light
0560251	12V LED DOT/ECE High Beam & Front Position Headlight
0561401	12V LED DOT RHT Vertical Low Beam Headlight
0561411	12V LED DOT RHT Horizontal Low Beam Headlight - LH
0561421	12V LED DOT RHT Horizontal Low Beam Headlight - RH

For parts offered in bulk quantities, please visit the J.W. Speaker website.

## MOUNTING OPTIONS

PART #	DESCRIPTION
8200831	Mounting Hardware Kit for Mosaic
8201041	Tall Mounting Hardware Kit for Mosaic
8201031	Pedestal Mount Kit for Mosaic



# NEW 5-IN-1 93



## All New 5-in-1 Headlight

J.W. Speaker's LED Model 93 are the new standard for 90mm lights, providing a drop-in replacement or pedestal mounts for original equipment manufacturers (OEMs), up-fitters, vehicle fleets, and individuals looking for the best-performing LED lights. Engineered as a 5-in-1 LED headlight, the Model 93 offers Low Beam, High Beam, Daytime Running Light (DRL), Front Position, and Turn Signal functionality all in one light. The headlight offers many applications for a variety of vehicles suited for agriculture, automotive, construction, industrial, material handling, mining, motorcycle, off-road 4x4, railroad, specialty vehicles, and truck and bus. Our re-designed die cast aluminum housing features a sealed integrated connector to meet the harsh demands of transportation and municipal applications.

## PRODUCT SPECIFICATIONS

### Raw Lumen Output:

1,827 (High Beam); 1,325 (Low Beam)

### Effective Lumen Output:

683 (High Beam); 495 (Low Beam)

### Candela Output:

44,000 (High Beam); 23,000 (Low Beam)

### Connector/Wiring:

Deutsch DT04-2P

### Operating Voltage:

9-16V DC

### Current Draw\*:

High Beam: 1.96A @ 12V DC

Low Beam: 1.35A @ 12V DC

Front Position: 0.111A @ 12V DC

DRL: 1.33A @ 12V DC

\* For the full listing of Current Draws, please visit the respective Product Number's Specification Sheet on our website at [www.jwspeaker.com](http://www.jwspeaker.com)

### Retrofit Information:

Standard 90mm lamps

### Standards & Application:



3-POINT MOUNT

5-IN-1:



FRONT POSITION



HIGH BEAM



LOW BEAM



DRL



TURN

SINGLE FUNCTION:



HIGH BEAM



LOW BEAM OR FOG



TURN & DRL



## SIGNLE HEADLIGHTS

## BEAM PATTERNS

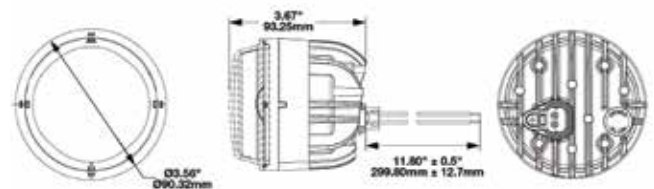
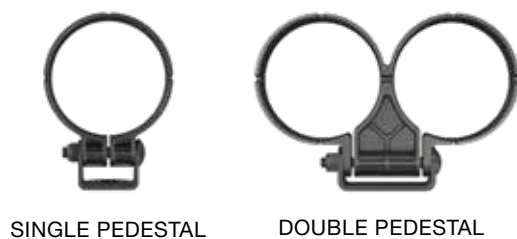
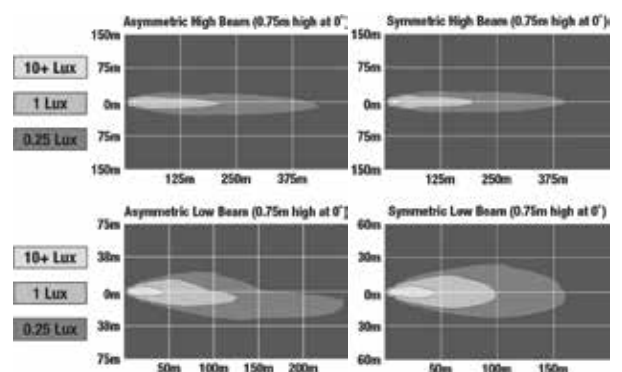
## 3-POINT MOUNT

PART #	DESCRIPTION	LOW BEAM	HIGH BEAM	DRL	FP	DI	1.5mm	3mm
0560371	12-24V DOT/ECE R112 RHT 5-in-1 Headlight	X	X	X	X	X		X
0560381	12-24V ECE R112 LHT 5-in-1 Headlight	X	X	X	X	X		X
0560501	12-24V ECE R113 5-in-1 Headlight	X	X	X	X	X		X
0554381	12-24V DOT/ECE High Beam Headlight with FP		X		X		X	X
0553071	12-24V DOT/ECE High Beam Headlight		X				X	X
0553091	12-24V ECE R112 LHT Low Beam Headlight	X					X	X
0553101	12-24V DOT/ECE R112 RHT Low Beam Headlight	X					X	X
0553081	12-24V DOT/ECE R113 Agriculture Low Beam Headlight	X					X	X
0556701	12-24V SAE/ECE Fog Light						X	X
0347941	12-24V SAE/ECE Turn Signal & DRL			X		X	X	X

For parts offered in bulk quantities, please visit the J.W. Speaker website.

## MOUNTING OPTIONS

PART #	DESCRIPTION	APPLICATION
8001461	3-point Mount for 1.5mm Mounting Frame	See Above
8001471	3-point Mount for 3mm Mounting Frame	See Above
8201021	3-Point Lock Mount for 3mm Mounting Frame	See Above
8001621	Double Lamp Pedestal Mount Bracket	Any Light
8001601	Single Pedestal Mount Bracket	Any Light



These Model 93 part numbers and specifications are specific to the Transport market. To view other parts under this model, please see the Powersport and Industrial market sections.

# 8630 EVOLUTION



DOT, NO DRL

## Product Specifications

### Raw Lumen Output:

2,925 (High Beam); 2,025 (Low Beam)

### Effective Lumen Output:

1,000 (High Beam); 630 (Low Beam)

### Candela Output:

61,684 (High Beam); 19,162 (Low Beam)

### Connector/Wiring:

Integral Connector in Housing simulating Delphi #12124107

### Operating Voltage:

10-32V DC

### Current Draw:

Low Beam: 2.20A @12V DC; 1.10A @24V DC

High Beam: 3.50A @12V DC; 1.70A @24V DC

Turn: 1.40A @12V DC; 0.70A @24V DC

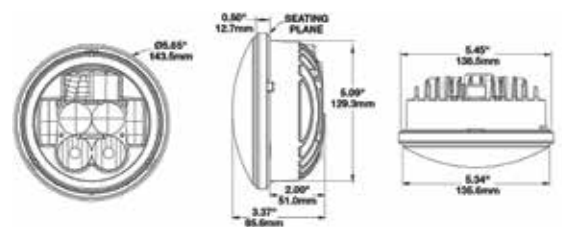
FP: 0.09A @12V DC; 0.04A @24V DC

DRL: 0.90A @12V DC; 0.38A @24V DC

### Retrofit Information:

5.75" Round (PAR46)

### Standards & Application:

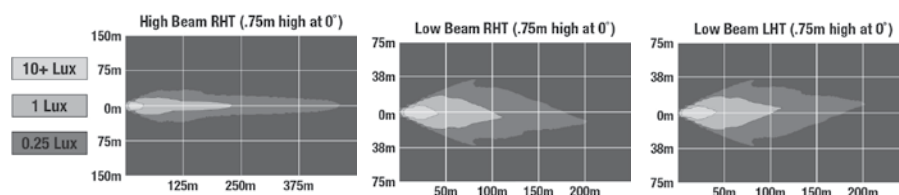


## SINGLE HEADLIGHTS

PART #	DESCRIPTION
0549911	12-24V DOT/ECE RHT High & Low Beam w/ FP & DRL
0549921	12-24V ECE LHT High & Low Beam w/ FP & DRL
0550921	12-24V DOT High & Low Beam

If your vehicle is operated in the United States you do NOT need to connect the Front Position wire (red) unless your vehicle is equipped with a front position light.

PART #	ACCESSORIES
3157751	Double Ring Kit Mounting Assembly
8200001	Single Light Mounting Assembly



# 8631 EVOLUTION

## Product Specifications

### Raw Lumen Output:

2,925 (High Beam); 2,025 (Low Beam)

### Effective Lumen Output:

1,000 (High Beam); 630 (Low Beam)

### Candela Output:

61,684 (High Beam); 19,162 (Low Beam)

### Connector/Wiring:

Delphi #12124107

### Operating Voltage:

10-32V DC

### Current Draw\*:

Low Beam: 2.20A @12V DC; 1.10A @24V DC

High Beam: 3.50A @12V DC; .70A @24V DC

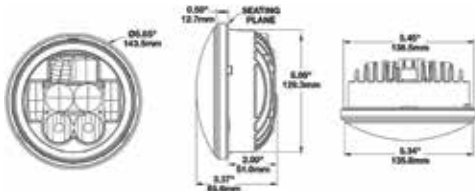
DRL: 1.10A @12V DC; 0.70A @24V DC

\* For the full listing of Current Draws, please visit the respective Product Number's Specification Sheet on our website at [www.jwspeaker.com](http://www.jwspeaker.com)

### Retrofit Information:

5.75" Round (PAR46)

### Standards & Application:



## SINGLE HEADLIGHTS

### PART # DESCRIPTION

0551641 12-24V ECE LHT High & Low Beam w/ Turn, FP & DRL

0551631 12-24V DOT/ECE RHT High & Low Beam w/ Turn, FP & DRL

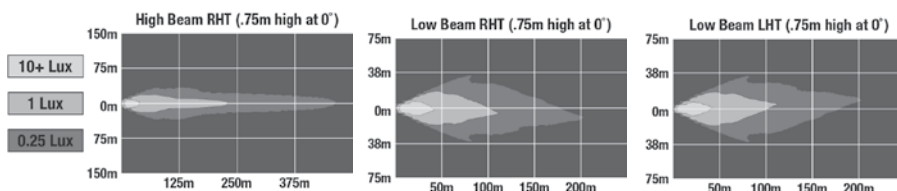
If your vehicle is operated in the United States you do NOT need to connect the Front Position wire (red) unless your vehicle is equipped with a front position light.

### PART # ACCESSORIES

3157751 Double Light Mounting Ring Kit

8200001 Single Light Mounting Ring Kit

8200071 Mounting Ring Kit for 5.75" Round (PAR46) Headlights





# 8700 EVO 2 PRO



## Product Specifications

### Raw Lumen Output:

4,170 (High Beam); 2,340 (Low Beam)

### Effective Lumen Output:

1,340 (High Beam); 694 (Low Beam)

### Candela Output:

84,700 (High Beam); 30,600 (Low Beam)

### Connector/Wiring:

H4

### Operating Voltage:

9-32V DC

### Current Draw:

High Beam: 3.60A @ 12V DC; 1.80A @ 24V DC

Low Beam: 2.00A @ 12V DC; 1.10A @ 24V DC

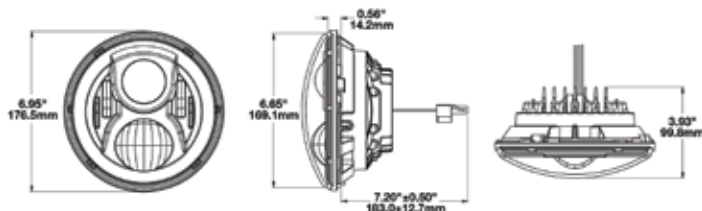
Front Position: 0.16A @ 12V DC; 0.10A @ 24V DC

DRL: 1.60A @ 12V DC; 0.80A @ 24V DC

### Retrofit Information:

7" Round (PAR56)

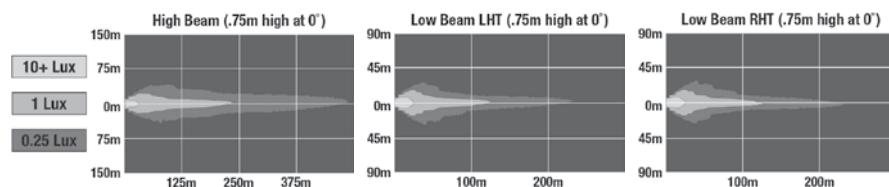
### Standards & Application:



## SINGLE HEADLIGHTS

PART #	BEZEL	DESCRIPTION
0556981	Black	12-24V ECE RHT High & Low Beam w/ DRL & FP
0556971	Chrome	12-24V ECE RHT High & Low Beam w/ DRL & FP
0556961	Black	12-24V ECE LHT High & Low Beam w/ DRL & FP
0556951	Chrome	12-24V ECE LHT High & Low Beam w/ DRL & FP
0557501	Black	12-24V ECE LHT High & Low Beam
0557511	Black	12-24V ECE RHT High & Low Beam

PART #	ACCESSORIES
3156351	Mounting Ring Kit for 7" Round (PAR56) Headlights
3266081	Jumper Harness H4/H13
8000381	Anti-Flicker Harness H4/H4
8000311	Anti-Flicker Harness H4/H13



# 8900 EVOLUTION 2

## Product Specifications

### Raw Lumen Output:

2,640 (High Beam); 2,250 (Low Beam)

### Effective Lumen Output:

1,200 (High Beam); 975 (Low Beam)

### Connector/Wiring:

H4

### Operating Voltage:

10-32V DC

### Current Draw:

High Beam: 1.94A @ 12V; 1.03A @ 24V DC

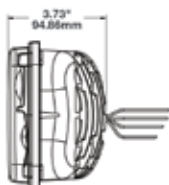
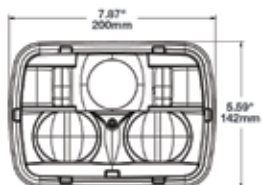
Low Beam: 1.67A @ 12V; 0.87A @ 24V DC

Front Position: 0.22A @ 12V; 0.16A @ 24V DC

### Retrofit Information:

5" x 7" Rectangle; 2B1 Sealed Beams

### Standards & Application:

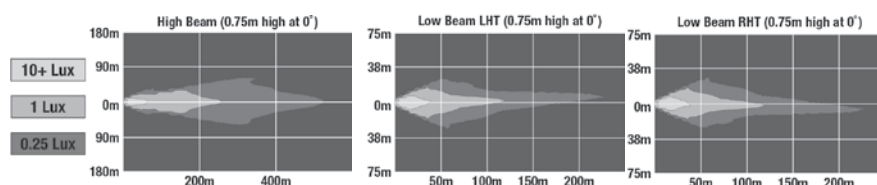


## SINGLE HEADLIGHTS

PART #	BEZEL	DESCRIPTION
0554471	Chrome	12-24V DOT/ECE RHT High & Low Beam w/ FP
0554491	Black	12-24V DOT/ECE RHT High & Low Beam w/ FP
0554431	Chrome	12-24V ECE LHT High & Low Beam w/ FP
0554451	Black	12-24V ECE LHT High & Low Beam w/ FP

PART #	ACCESSORIES
8000381	H4/H4 Anti-Flicker Harness

If your vehicle is operated in the United States you do NOT need to connect the Front Position wire (red) unless your vehicle is equipped with a front position light.





# 9900 LOW PROFILE



## Product Specifications

### Raw Lumen Output:

4300 (High Beam); 2370 (Low Beam)

### Effective Lumen Output:

1060 (High Beam); 587 (Low Beam)

### Candela Output:

58,000 (High Beam)

### Connector/Wiring:

6-Pin Delphi (#12052848)

### Operating Voltage:

9-30V DC

### Current Draw:

High Beam: 5.00A @ 12V DC; 3.00A @ 24V DC

Low Beam: 3.50A @ 12V DC; 2.25A @ 24V DC

Turn: 1.20A @ 12V DC; .75A @ 24V DC

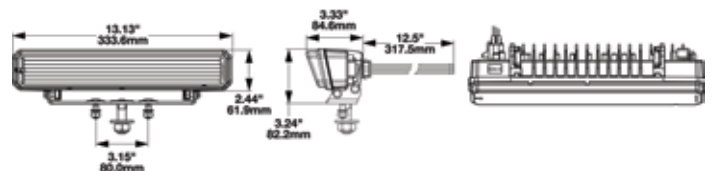
Front Position: 2.00A @ 12V DC; 1.50A @ 24V DC

DRL: 2.50A @ 12V DC; 1.75A @ 24V DC

### Retrofit Information:

3" x 13" Rectangle; Pedestal Mount Headlights

### Standards & Application:

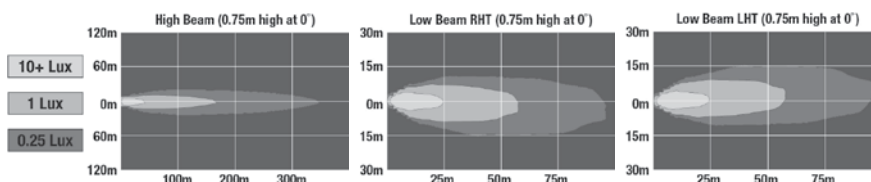


## HEATED KIT OF 2 HEADLIGHTS

### PART # DESCRIPTION

0556273	12-24V DOT/ECE RHT Heated LP High & Low Beam w/ Turn, FP & DRL - Kit of 2
0556383	12-24V ECE LHT Heated LP High & Low Beam w/ Turn, FP & DRL - Kit of 2

If your vehicle is operated in the United States you do NOT need to connect the Front Position wire (red) unless your vehicle is equipped with a front position light.



## Product Specifications

**Raw Lumen Output:**  
2,200

**Effective Lumen Output:**  
1,800 (Heated); 2,041 (Non-Heated)

**Candela Output:**  
230,000 (Heated); 260,000 (Non-Heated)

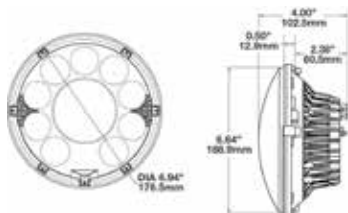
**Connector/Wiring:**  
Standard Sealed Beam Style Screw Terminal

**Operating Voltage:**  
18-130V DC

**Current Draw:**  
Heated/Heater On:  
High Output: 3.20A @ 24V; 1.20A @ 75V; 0.85A @ 110V DC  
Low Output: 2.60A @ 24V; 0.85A @ 75V; 0.75A @ 110V DC  
Non-Heated/Heater Off:  
High Output: 2.10A @ 24V; 0.75A @ 75V; 0.55A @ 110V DC  
Low Output: 1.00A @ 24V; 0.45A @ 75V; 0.30A @ 110V DC

**Retrofit Information:**  
7" Round Locomotive Headlight

**Standards & Application:**

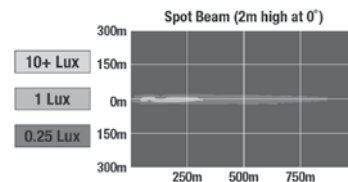


### HEATED SINGLE HEADLIGHT

PART #	DESCRIPTION
0551901	24-110V LED Heated Locomotive Headlight w/ Spot Beam Pattern
0561031	24-110V LED Locomotive Headlight with Warm White Spot Beam Pattern & Heated Lens

### NON-HEATED SINGLE HEADLIGHT

PART #	DESCRIPTION
0554601	24-110V LED Locomotive Headlight with Spot Beam Pattern
0561061	24-110V LED Locomotive Headlight with Warm White Spot Beam Pattern



## Product Specifications

### Flash Rate:

#### Mode 0

Outer LED: Steady On, Inner LED: Steady On

#### Mode 1

Outer LED: Flash 60 per min (1Hz),  
Inner LED: Flash 60 per min (1Hz)

#### Mode 2

Outer LED: Triple flash 60 per min (1Hz),  
Inner LED: Triple flash 60 per min (1Hz)

#### Mode 3

Outer LED: Flash 60 per min (1Hz),  
Inner LED: Triple flash 60 per min (1Hz)

#### Mode 4

Outer LED: Flash 200 per min (2Hz),  
Inner LED: Flash 200 per min (2Hz)

#### Mode 5

Outer LED: Flash 60 per min (1Hz),  
Inner LED: Steady On

### Mating Connector:

PE 12110293

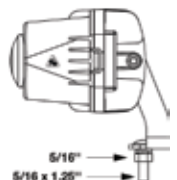
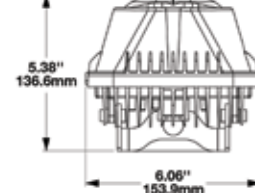
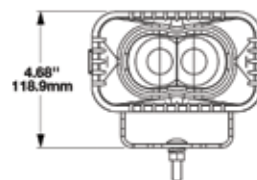
### Operating Voltage:

10-90V DC

### Current Draw:

3.6A @ 12V DC

### Standards & Application:



### SINGLE WARNING LIGHTS

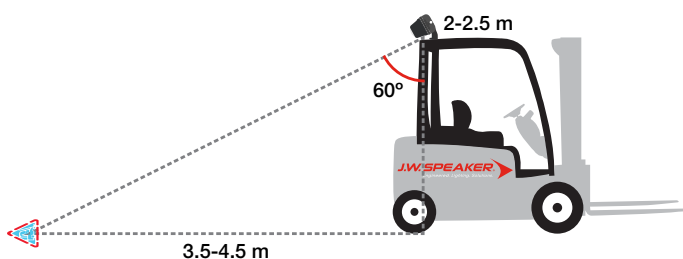
PART #	DESCRIPTION
1300631	12-72V LED Warning Projector Light
1300801	12-72V LED Pedestrian Warning Projector Light
1300661	12-72V LED Red Universal Warning Projector Light
1300791	12-72V LED Blue Universal Warning Projector Light



WARNING  
PROJECTION



PEDESTRIAN WARNING  
PROJECTION



RED UNIVERSAL  
WARNING PROJECTION



BLUE UNIVERSAL  
WARNING PROJECTION

# 770 BLU & RED

## Product Specifications

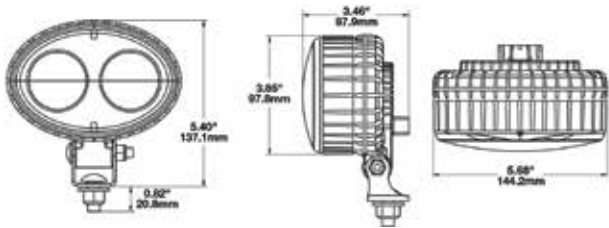
**Connector/Wiring:**  
Integrated

**Mating Connector:**  
AMP (#180923)

**Operating Voltage:**  
9-120V DC

**Current Draw:**  
Blue: 0.50A @ 12V DC; 0.12A @ 60V DC;  
0.08A @ 110V DC  
Red: 0.19A @ 12V DC; 0.05A @ 60V DC;  
0.04A @ 110V DC

**Standards & Application:**



### SINGLE WARNING LIGHTS

PART #	DESCRIPTION
1706311	12-110V LED Blue Material Handling Safety Light
1706921	12-110V LED Blue Arrow Material Handling Safety Light
1706441	12-110V LED Red Safety Spot Light
1706911	12-110V LED Red Arrow Safety Spot Light





# 777 GEN 2

## Product Specifications

**Operating Voltage:**  
10-80V DC

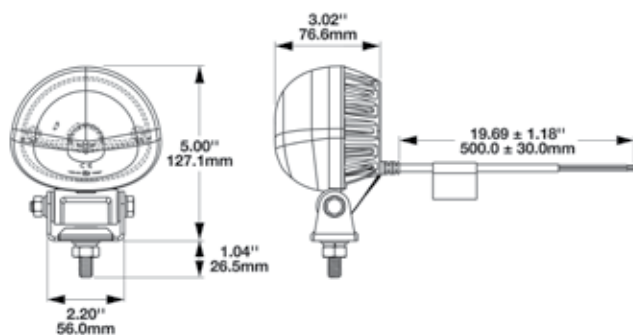
**Effective Lumen Output:**  
100

**Candela Output:**  
3,200

**Connector/Wiring:**  
19.5" Bare Leads (tinned)

**Current Draw:**  
1.08A @ 12V DC; 0.51A @ 24V DC;  
0.34A @ 36V DC; 0.26A @ 48V DC;  
0.21A @ 60V DC; 0.18A @ 72V DC

**Standards & Application:**



### SINGLE WARNING LIGHTS

PART #	DESCRIPTION
1403601	12-72V Red ARC Warning Light
1403611	12-72V Blue ARC Warning Light
1403621	12-72V Green ARC Warning Light





# Product Specifications

**Raw Lumen Output:**  
Red: 1,130    Amber: 1,113    Blue: 496

**Effective Lumen Output:**  
Red: 317    Amber: 210    Blue: 110

**Candela Output:**  
Red: 3,150    Amber: 2,200    Blue: 1,200

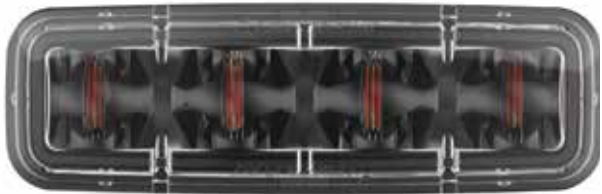
**Connector/Wiring:**  
Deutsch DT04-2P

**Mating Connector:**  
Deutsch DT06-2S (harness included w/ flying leads)

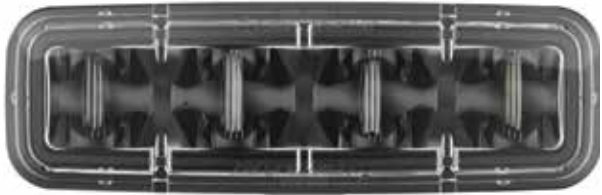
**Operating Voltage:**  
10-45V DC

**Current Draw\*:**  
1.60A @ 12V DC; 0.60A @ 24V DC; 0.57A @ 36V DC  
\* For the full listing of Current Draws, please visit the respective Product Number's Specification Sheet on our website at [www.jwspeaker.com](http://www.jwspeaker.com)

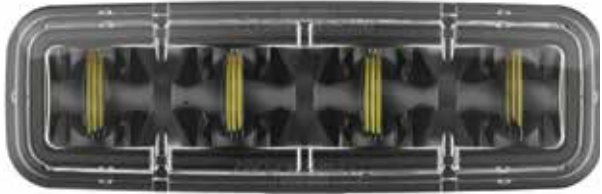
**Standards & Application:**



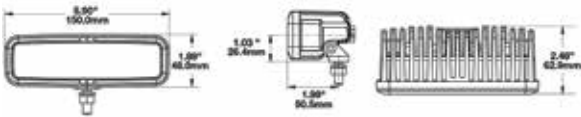
RED



BLUE



AMBER



WITH SHROUD

**SINGLE WARNING LIGHTS**

PART #	DESCRIPTION
1603631	12-36V LED Red Stripe Zone Light
1603641	12-36V LED Blue Stripe Zone Light
1603651	12-36V LED Amber Stripe Zone Light



# SIGNAL LIGHTS

## Model 150



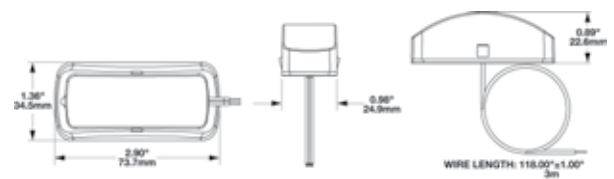
PART #	BEZEL	DESCRIPTION
0205321	Red	Marker light with assembly
0205341	White	Marker light with assembly
0443051	Amber	Marker light with assembly

## Product Specifications

**Operating Voltage:**  
12-24V DC

**Current Draw:**  
0.090 (Max)A @ 12V DC

**Standards & Application:**



## Model 217



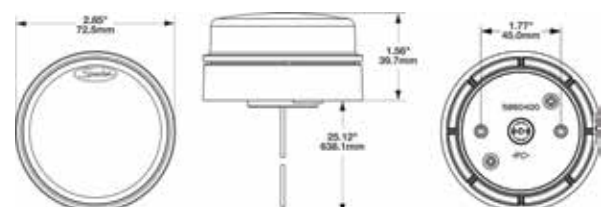
PART #	BEZEL	DESCRIPTION
0345421	Red	Backuplight w/o bracket
0345451	White	DRL & FP w/o bracket
0345461	White	DRL & FP with 90mm bracket
0345411	Red	Stop & Tail w/o bracket
0345521	Amber	Turnlight with bracket
0345441	Amber	Turnlight w/o bracket

## Product Specifications

**Operating Voltage:**  
9-30V DC

**Current Draw:**  
0.12A @ 12V DC; 0.07A @ 24V

**Standards & Application:**

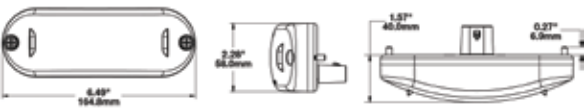


# Product Specifications

**Operating Voltage:**  
9-30V DC

**Current Draw:**  
0.16A @ 12V DC; 0.07A @ 24V

**Standards & Application:**



# Model 272



PART #	BEZEL	DESCRIPTION
0341811	Red	12-24V ECE/SAE LED Stop & Tail Light
0341801	Amber	12-24V ECE/SAE LED Stop & Tail Light
0343181	Amber	12-24V ECE/SAE LED Rear Turn Signal Light
0346391	Red	12-24V ECE/SAE LED Flush Mount Turn Signal Light
0346891	Red	12V DOT LED CHMSL with Camera



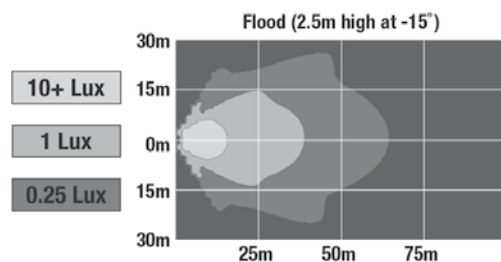
# WORK LIGHTS

## Model 792



### PART # DESCRIPTION

1603921	12-24V LED Compact Work Light with Pedestal Mount
1603951	12-24V LED Compact Work Light with Panel Mount
1603931	36-80V LED Compact Work Light with Pedestal Mount
1603971	36-80V LED Compact Work Light with Panel Mount



## Product Specifications

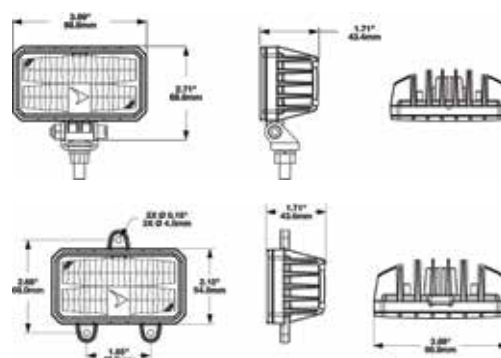
### Operating Voltage:

9-35V DC

### Current Draw:

12-24V: 2.20A @ 12V DC; 1.0A @ 24V  
36-80V: 0.75A @ 36V DC; 0.34A @ 80V

### Standards & Application:

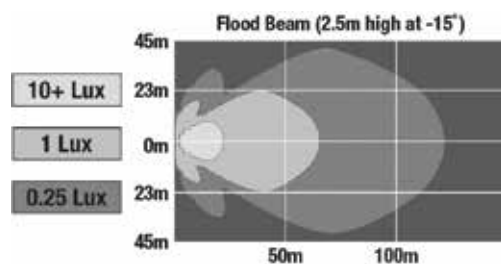


## Model 892



### PART # DESCRIPTION

1603961	12-24V LED Work Light Pedestal Mount
---------	--------------------------------------



## Product Specifications

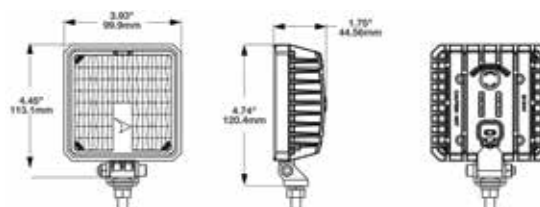
### Operating Voltage:

9-30V DC

### Current Draw:

4.38A @ 12V DC; 1.84A @ 24V

### Standards & Application:



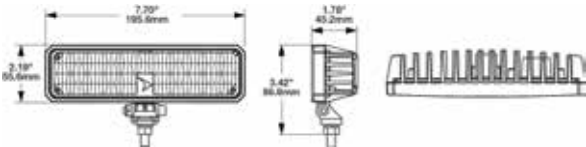


# Product Specifications

**Operating Voltage:**  
12-24V DC

**Current Draw:**  
4.5A @ 12V DC; 1.8A @ 24V

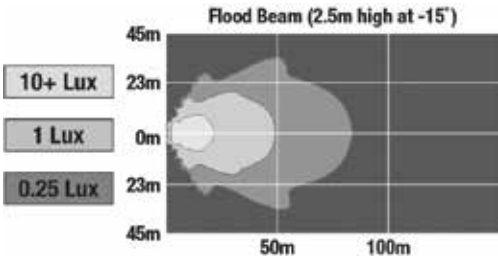
**Standards & Application:**



# Model 893



PART #	DESCRIPTION
1300671	12/24V LED Work Light with Pedestal Mount







**SCS Industrie-componenten BV**

Cobaltstraat 19  
2718 RM Zoetermeer  
Netherlands

Phone : +31 79 361 1171  
Email : [sales@scs.nl](mailto:sales@scs.nl)  
Web : [www.scs.nl](http://www.scs.nl)