J.W. SPEAKER

LIGHTING
RANGE CATALOGUE
5th Edition

LED Lighting

Transport //
Mining //
Agricultural //
Industrial //
Automotive //
Motorcycle //

J.W. SPEAKER
Engineered. Lighting. Solutions.

DELIVERING HI-TECH LIGHTING SOLUTIONS

Invision Sales combines leading technology brands with innovative thinking to drive market growth. Established in 2002, Invision is a multifaceted company that specialises in the sales and marketing of lighting products in the Asia Pacific region.

When Invision Sales prepare a lighting solution for your business or work site, it is done utilising sophisticated 3D CAD software to create an accurate simulation.

Our engineers have the complete range of J.W. Speaker LED lighting specifications programmed into 3D Simulation Software, so that once your work site environment is created, they are able to design a lighting solution that is precise and accurate.

The lighting simulation means we are able to predict exactly how a particular light unit will perform and how effective it will be.

This process is a free consultation provided by Invision Sales with the aim of ensuring the optimal lighting solution is designed and implemented.

Asia

New Guinea

Oceania Islands

Australia

New Zealand
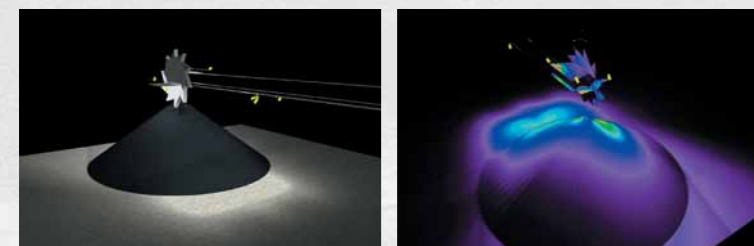
CONSULTATION

Every work environment is different, and a lot of factors must be considered when selecting an optimal light source. Does it require a short intense spread of light, or a wider pattern. Is CRI or colour temperature required and do you require EMI protection.

IP Ratings What do they mean?

The first number of the IP code indicates the degree of protection against solid foreign bodies such as dust intruding into an enclosure. The second number indicates 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.) For general outdoor use, IP65 is sufficient to withstand the effects of wind and rain.

First Number
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 of dust.

Second Number
0 No protection provided.
1 Protection against drops of water falling vertically.
2 Protection against drops of water falling vertically when the luminaire 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 metre.
8 Protection against submersion over 1 metre.
9 Protection against close-range high pressure, high temperature spray downs.

CRI Colour Rendering Index

CRI or Colour Rendering Index refers to the ability of a light source to show the true colours of an object relative to their natural colour in daylight. CRI is measured on a scale from 0 to 100, with 100 representing true colour. High CRI ratings are incredibly important for industries that rely on true colour such as fruit plantations, vehicle painting and even the medical industry.

CRI Example
As shown in these images, a higher CRI rating of 90 shows vibrant and clear colour compared to the image on the far left which has a rating of 30.
The amount of light shining on the objects is the same, but the difference in CRI rating means one image is dull and lacking in true colour and the other is vibrant and closer to daylight representation.
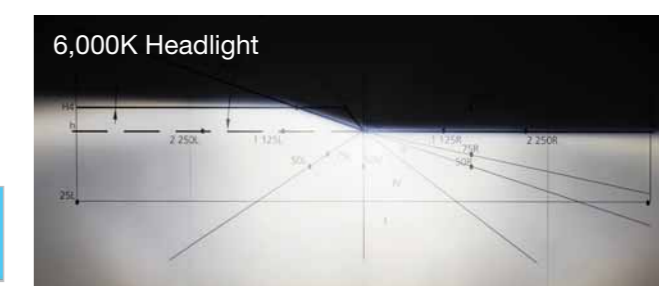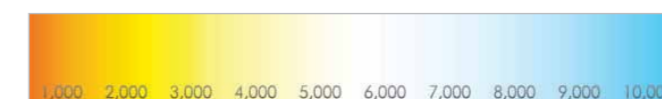
Lower CRI rating   *Higher CRI rating*

Colour Temperature (K)

3,000K Headlight

Colour Temperature or Kelvin (K) Rating refers to the colour of a light source in reference to the Kelvin scale. K Rating is often confused with a light's intensity but the two are very different.

Commercial lighting often varies between 3,000K and 6,000K depending on the application. With 5000K considered daylight, many LED manufacturers aim for colour temperatures that offer a more natural looking light.

The difference between 3000K and 6000K is dramatic as highlighted in the images to the right. The 3000K product is much warmer looking compared to the cooler 6000K.

6,000K Headlight

1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000

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CATALOGUE CONTENTS

LED BULB KIT PERFORMANCE
ADVANTAGES TO UPGRADING FROM HALOGEN TO LED

If you're considering upgrading your or your customer's headlights from halogen to LED technology, look no further than the range of J.W. Speaker LED bulb kits.

Engineered to have a smooth, even and bright beam pattern, these LED bulbs are an easy sell when you consider the other benefits they bring to your driving.

White Light

Halogen upgrade globes create a white light by applying a heavy blue coating to the glass. While this improves the light colour, it dramatically reduces the light output and life expectancy. LED delivers a much whiter light without the same limitations as the LED chip generates the precise white colour instead.

Long Life

Standard halogen bulbs are expected to last around 500 hours and a long life upgrade around 1,500 hours. Depending on how often you're using your headlight bulbs, this could mean you're changing headlight bulbs as often as every 3 months.

Current technology allows LED bulb kits to last for years which is why J.W. Speaker back these products with such impressive warranty periods. Not only do they last a long time, they are also more resistant to physical and electrical shock which is a major cause of halogen bulbs failing.

Standard
Halogen

Model 4000
EVOLUTION
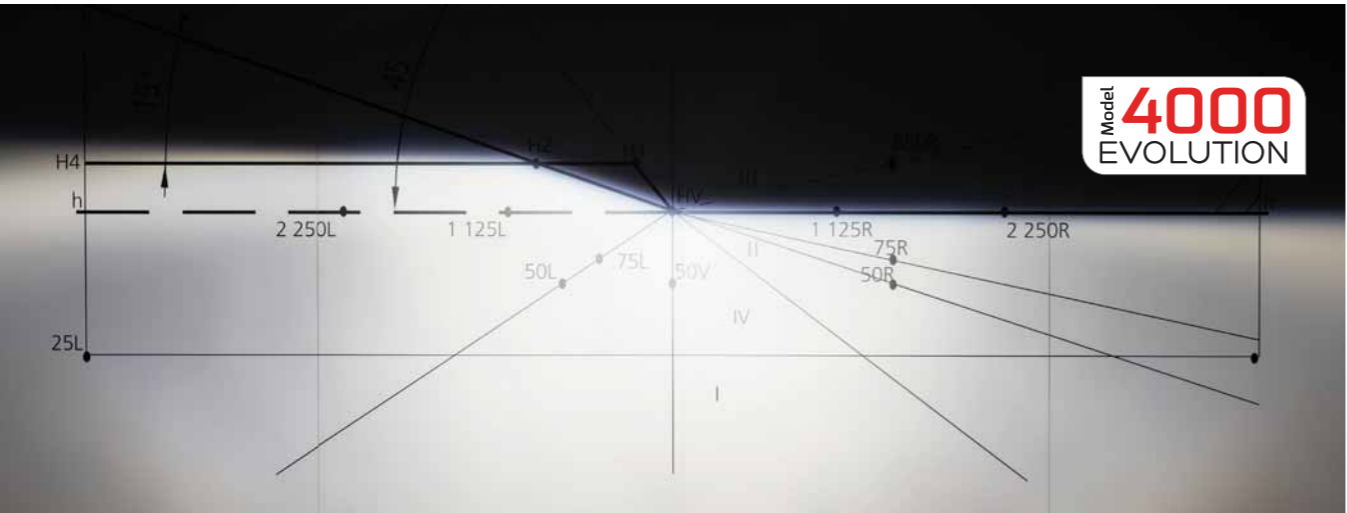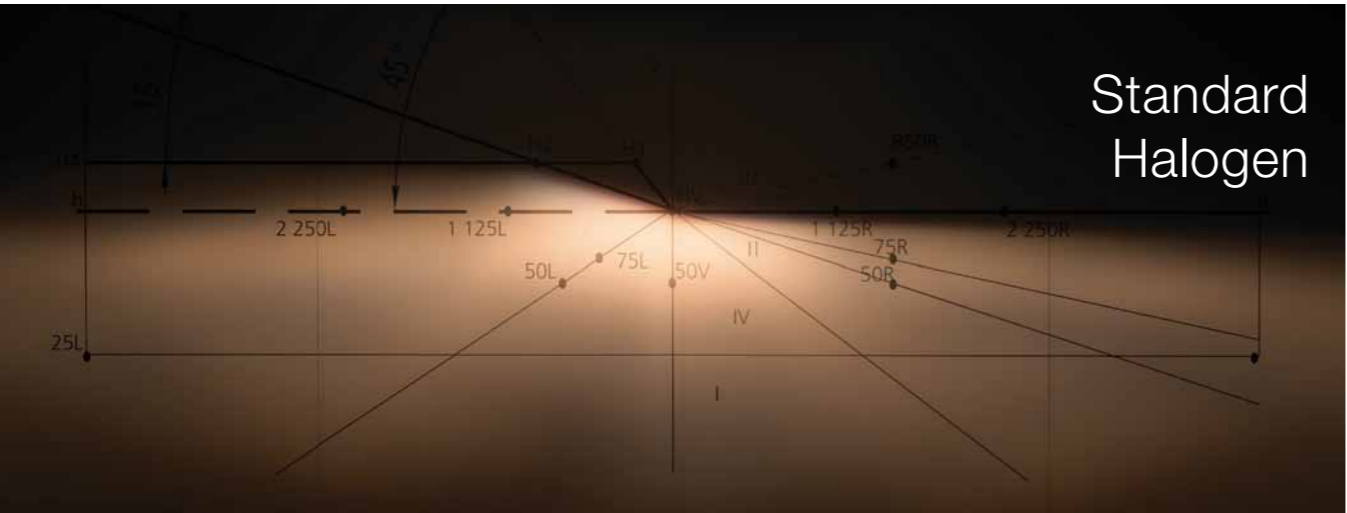
REFLECTOR & PROJECTOR HEADLIGHTS
HOW TO CHOOSE THE CORRECT BULB

There are two types of headlight systems used in automotive vehicles and they both generate a beam pattern in very different ways.

It is important to know which type your vehicle uses when selecting an LED bulb as some bulbs perform best in a particular headlight system.

Use the images below to determine the headlight style/s of your vehicle and keep an eye out for the Reflector or Projector icons and terminology on each LED bulb kit product page to see if they are optimised or suitable for your vehicle.

Reflector
Style

Projector
Style

Model 4000 EVOLUTION

12V - 24V
HALOGEN REPLACEMENT
2000 LUMENS PER BULB

- 6000K WHITE LIGHT
- IP65 WATERPROOF
- 3 YEAR LIMITED WARRANTY
- 2 HEADLIGHT BULBS PER KIT
- **NOT APPROVED FOR ADR, ECE OR DOT**

LED BULB KIT
HEADLIGHT CONVERSION

6000k Colour temperature
Light Output 4000 Lumens 2000 per bulb

H4 Base Type   12V-24V   J.W. SPEAKER

REFLECTOR OPTIMISED

Standard Replacement

Part No.	Base
990001	H1
990003	H3
990004	H4
990005	HB3 / H10
990006	HB4
990007	H7
990011	H8 / H9 / H11 / H16
990012	HIR2
990013	H13

PROJECTOR OPTIMISED

The Projector Optimised products are designed with a V-shape circuit board layout which creates the super even beam pattern these bulbs are known for.

Standard Replacement

Part No.	Base
990007P	H7
990011P	H8 / H9 / H11 / H16
990012P	HIR2

VEHICLE & BEAM SPECIFIC
PRE-INSTALLED ADAPTOR CLIPS

There are a number of vehicles that use very specific H7 bulb retaining systems that stop the standard Model 4000 bulbs from fitting. (Pictured right)

For this reason, J.W. Speaker have developed two Model 4000 options with pre-installed adaptor clips to allow the bulbs to fit vehicles. (See below)

There are many other unique H7 bulb retaining systems on the market, particularly ones found in Hyundai, Mazda and Kia vehicles. Unfortunately they aren't compatible with the Model 4000 range and the Direct Fit bulbs will need to be used instead.

► **HIGH STABILITY** LIGHT OUTPUT

► **ULTRA LONG** LIFESPAN

► **HEAVY DUTY** HEATSINK & COOLING

► **OPTIMISED** FOR PROJECTOR AND REFLECTOR

REFLECTOR OPTIMISED

Vehicle & Beam Specific

Part No.	Base
990007C1	H7 with adaptor clip

HIGH BEAM

Pre-Installed Adaptor Clip

The 990007C1 is optimised for **Ford FG Falcon, Ford SZ Territory, Mercedes ML164 (06-09) & Mercedes Vito Van (2009 tested).**

This product has the retaining clip pre-installed onto the bulb. It is not recommended to use this product in any other application.

PROJECTOR OPTIMISED

Vehicle & Beam Specific

Part No.	Base
990007PC1	H7 with adaptor clip & rubber dust cap

LOW BEAM

Pre-Installed Adaptor Clip

The 990007PC1 is optimised for **Ford FG Falcon, Ford SZ Territory, Toyota Camry (2011 tested), Mercedes ML164 (06-09), Mercedes GLE (2013-14 tested) & Kenworth T610 Aero.**

This product has the retaining clip pre-installed onto the bulb. It is not recommended to use this product in any other application. This kit also includes a rubber dust cap to replace the original cap for better product fitment.

DIRECT FIT + PLUS

12V ONLY
HALOGEN REPLACEMENT
2800 LUMENS PER BULB*

- 5700K WHITE LIGHT
- IP65 WATERPROOF
- 2 YEAR LIMITED WARRANTY
- 2 HEADLIGHT BULBS PER KIT
- **NOT APPROVED FOR ADR, ECE OR DOT**

REFLECTOR & PROJECTOR
SUITABLE

H4 / H19	HB3 / H10 & HB4	H7 / H18	H8 / H9 / H11 / H16

Part No.	Base	Lumens Per Bulb*
999004DFP	H4 / H19	2200
999005DFP	HB3 / H10	2800
999006DFP	HB4	2800
999007DFP	H7 / H18	2200
999011DFP	H8 / H9 / H11 / H16	2800

Specifications
- Lumen: See Table
- Colour Temp: 5700K
- Power: 26W Per Beam
- Voltage: DC12–16V
- Operating temperatures: -40°/ +130°C
- IP Rating: IP65

Warranty
2 Year – Standard Driving Conditions:
For normal day to day driving & recreational 4×4.

Kit Contains
2 × LED Headlight Bulbs

This product range is **not approved for ADR, ECE or DOT**

▶ **HIGH OUTPUT** PERFORMANCE

▶ **EASY DIY** INSTALLATION

▶ **PREMIUM** FAN COOLING

▶ **SUITABLE FOR** PROJECTOR AND REFLECTOR

IDENTICAL FITMENT TO HALOGEN BULB

The sizing of the new Direct Fit Plus bulbs are as identical to Halogen sizing as possible.

The H7 specifically is now compatible with most unique H7 retaining systems and headlights due to the new collar design and bulb size.

PREMIUM FAN COOLING
ADVANCED AIRFLOW FOR BETTER PERFORMANCE

The new Direct Fit Plus range uses premium cooling fans to help reduce heat stress on the LED chips by drawing cooler air into the bulb and past the circuit board.

This active cooling allows the Direct Fit Plus bulbs to have a higher light output compared to the standard Direct Fit with its more passive TST cooling.
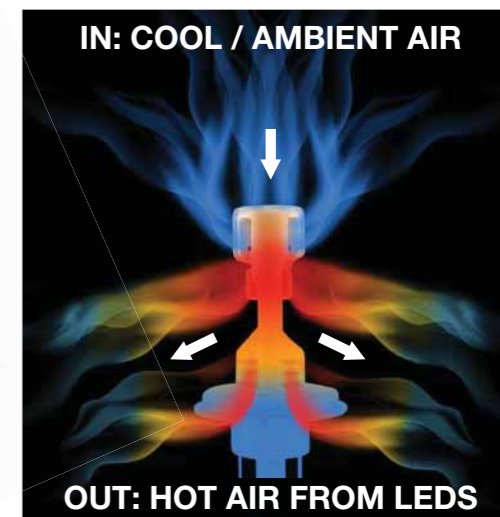
IN: COOL / AMBIENT AIR

OUT: HOT AIR FROM LEDS

DIRECT FIT

12V - 24V
HALOGEN REPLACEMENT
2000 LUMENS PER BULB

- 5700K WHITE LIGHT
- IP65 WATERPROOF
- 2 YEAR LIMITED WARRANTY
- 2 HEADLIGHT BULBS PER KIT
- **NOT APPROVED FOR ADR, ECE OR DOT**

REFLECTOR & PROJECTOR
SUITABLE

H1	H3	H4 / H19	HB3	HB4	H7 / H18

H8 / H9 / H11 / H16	HIR2	H13	H15	HB1 / HB5	H27

Part No.	Base	Part No.	Base	Part No.	Base
999001	H1	999007	H7 / H18	999015	H15 - **12V ONLY**
999003	H3	999011	H8 / H9 / H11 / H16	999016	HB1 (9004)
999004	H4 / H19	999012	HIR2	999017	HB5 (9007)
999005	HB3	999013	H13	999881	H27 (880 / 881)
999006	HB4				

The following products have adjustable mounting using the supplied allen key: HB3, HB4, H11, HIR2, H13, H15, HB1 & HB5

Specifications
- Lumen: 2000 per bulb
- Colour Temp: 5700K
- Power: 18W Per Beam
- Voltage: DC12–24V (H15 999015 12V Only)
- Operating temperatures: -40°/ +130°C
- IP Rating: IP65

Warranty
2 Year – Standard Driving Conditions:
For normal day to day driving & recreational 4×4.

Kit Contains
2 × LED Headlight Bulbs

This product range is **not approved for ADR, ECE or DOT**

- ▶ **HIGH STABILITY** LIGHT OUTPUT
- ▶ **EASY DIY** INSTALLATION
- ▶ **PREMIUM** TST COOLING
- ▶ **SUITABLE FOR** PROJECTOR AND REFLECTOR

IDENTICAL FITMENT TO HALOGEN BULB

The sizing of the new Direct Fit bulbs are as identical to Halogen sizing as possible.

The H7 specifically is now compatible with most unique H7 retaining systems and headlights due to the new collar design and bulb size.

PREMIUM TST COOLING
THERMOELECTRIC SEPARATION TECHNOLOGY

TST is a new and important cooling technology to the J.W. Speaker range of Direct Fit LED bulbs.

Instead of using PCBs (printed circuit board) and thermal silicone like most LED bulbs, TST sees the attachment of the LED chips directly to the alloy shaft of the bulb. This process allows for a more even distribution of heat, ultimately reducing the strain on the LED chips and leading to longer life and a more stable beam performance.

These diagrams show the heat readings on a traditional LED bulb vs the new Direct Fit bulb using TST cooling. The TST cooling measures a heat difference of only 8°C between LED chips and the base of the bulb where as the standard LED bulb measures more than **DOUBLE** the heat difference of base to chips.

J.W. SPEAKER DIRECT FIT LED BULB WITH TST

88.0C
81.0C
80.0C
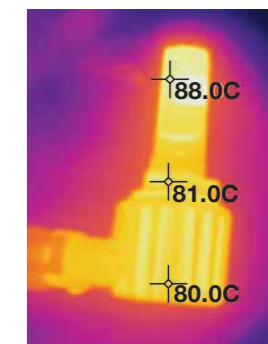
STANDARD LED BULB WITH PCB & SILICONE

122.6C 68.8C 59.5C

DIRECT FIT
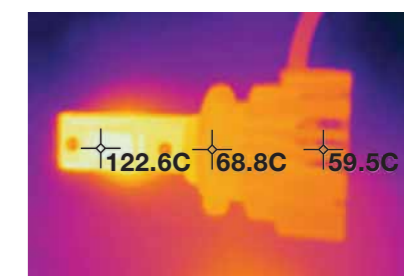
12V - 24V
XENON HID REPLACEMENT
4500 LUMENS PER BULB*

- 5700K WHITE LIGHT
- IP65 WATERPROOF
- 2 YEAR LIMITED WARRANTY
- 2 HEADLIGHT BULBS PER KIT
- **NOT APPROVED FOR ADR, ECE OR DOT**

REFLECTOR & PROJECTOR
SUITABLE

D1 / D3 / D8   D2 / D4   D5

Part No.	Base	Power	Lumens Per Bulb*
999000D1	D1S / R	45W	4500
999000D2	D2S / R	45W	4500
999000D3	D3S / R	45W	4500
999000D4	D4S / R	45W	4500
999000D5	D5S / R	25W	3000
999000D8	D8S / R	45W	4500

Specifications
- Lumen: See Table
- Colour Temp: 5700K
- Power: See Table
- Voltage: DC12–24V Connects to OEM Cable / Ballast
- Operating temperatures: -45°/ +85°C
- IP Rating: IP65

Warranty
2 Year – Standard Driving Conditions:
For normal day to day driving & recreational 4×4.

Kit Contains
2 × LED Headlight Bulbs

This product range is **not approved for ADR, ECE or DOT**

► **HIGH OUTPUT** PERFORMANCE

► **EASY DIY** INSTALLATION

► **PREMIUM** FAN COOLING

► **SUITABLE FOR** PROJECTOR AND REFLECTOR

IDENTICAL FITMENT TO OEM BULB

Headlights that use Xenon bulbs are typically designed with that bulb in mind and allow almost no extra space for aftermarket products and the other components they tend to come with.

This is where the new Direct Fit range really shines, offering a comprehensive selection of Xenon base types as LED replacements that are identical in size and fitment.

CONNECTS DIRECTLY
TO OEM CABLE / BALLAST

One of the most important features of the new Direct Fit Xenon replacement range is that they are 100% compatible with the original vehicle cable / ballast unit and the electrical systems of the vehicle.

No extra products like CANbus modules will be required for a successful bulb installation.

VEHICLE & BEAM SPECIFIC
LED VOLKSWAGEN LOW BEAM KIT

The 990007VW is unique in that it is designed specifically to replace Volkswagen H7 low beam bulbs that use a very specific clip-in system. This system has been used in other vehicles by other manufacturers but it has been predominantly used by Volkswagen.

A key feature with this range is that it has built in CANbus technology, meaning the LED bulb will be able to communicate with the vehicle without causing any errors or fault codes.

It is recommended to consult a qualified auto electrician before installing this product to make sure it is suitable for your vehicle. A list of Volkswagen models that this product is suitable for can be found below.

REPLACES ORIGINAL
VOLKSWAGEN
H7 BULB HOLDER

#5K0941109E &
#5K0941109C

Specifications
- Lumen: 2000 per bulb
- Colour Temp: 6200K
- Power: 25W Per Beam
- Voltage: DC12V
- Operating temperatures: -40°/ +130°C
- IP Rating: IP65
- Built In CANbus

This product range is **not approved for ADR, ECE or DOT**

Warranty
3 Year – Standard Driving Conditions:
For normal day to day driving & recreational 4X4.

Kit Contains
2 × LED Headlight Bulbs

Vehicle Fitting Guide
Volkswagen vehicles from 2010 onwards

- EOS
- Golf VI
- Golf VII
- Jetta VI
- Tiguan 1
- Tiguan 2

Other vehicles
- 2018 Mercedes Vito Van (Low Beam)

Note: This product does **not** fit the Golf 7.5 (2019 onwards)

Vehicle & Beam Specific

Part No.	Base
990007VW	H7 with built-in adaptor base

Built-in
CANbus

FOG LIGHT LED BULB KITS
BE PREPARED FOR EXTREME WEATHER

Improve your safety while driving through poor weather conditions with these LED fog light bulbs.

Designed to illuminate the road and reflective markers beneath low lying fog, these are the perfect fog light bulbs to compliment your headlights at an entry level price.

Part No.	Base
990001F	H1
990003F	H3
990006F	HB4
990008F	H8 / H9 / H11 / H16
990010F	H10
990018	P13W / PSX26W
990019	PS19W / PS24W / PSX24W
990880F	H27 Straight Base
990881F	H27 Angle Base

H15 MULTI FUNCTION
HIGH BEAM & DRL

The H15 bulb type has become very popular with vehicle manufacturers in recent years, with its dual filament system offering a high beam and lower output daytime running light beam from the same bulb.

Due to the nature of the way it's locked into the headlight, this bulb and the Direct Fit system is the only high quality H15 option on the market.

990015F is considered a halogen replacement compared to the higher output 999015 Direct Fit kit which is more of a performance upgrade.

Built-in
CANbus

Part No.	Base
990015F	H15

Specifications
- Lumen: 550 per bulb (Fog)
        80/600 per bulb (H15)
- Colour Temp: 6000K
- Power: 30W Per Beam
- Voltage: DC12–24V
- Operating temperatures: -40°/ +130°C
- IP Rating: IP65
- Lifetime: Up to 30,000 hours

Warranty
2 Year – Standard Driving Conditions:
For normal day to day driving & recreational 4×4.

1 Year – Off-Highway:
For mining and industrial applications.

Kit Contains
2 × LED Bulbs

This product range is **not approved for ADR, ECE or DOT**

CANBUS
COMPLETE PLUG & PLAY

LED CANBUS TECHNOLOGY
SUITABLE FOR MODEL 4000 & DIRECT FIT

Some vehicle electronic systems may conflict with the LED bulb. There are a limited number of vehicles who's electronic systems may require the addition of a CANbus unit during installation.

The CANbus unit will allow the vehicles electronics to accept the LED bulb into its system.

One simple way of checking if your vehicle is monitoring your headlight bulbs is to:

1. With the vehicle turned off, carefully disconnect one of the headlight bulbs you are looking to replace with an LED product.

2. Start your vehicle and turn on your headlights, switching to the beam / bulb you are wanting to test. For thorough testing, switch between low and high beam multiple times.

3. If you are receiving a 'globe out' warning light similar to the above or a fault message anywhere inside your vehicle, you will require a CANbus product to aid in a successful bulb installation.

CANbus Options

Part No.	Base	Voltage
990001CB	H1 / H3	12V
990004CB	H4	12V
990004CB24	H4	24V
990005CB	HB3 / HB4 / H10 / HIR2	12V
990007CB	H7	12V
990007CB24	H7	24V
990011CB	H8 / H9 / H11 / H16 / H27	12V

Kit Contains
2 × CANbus Modules

Warranty
1 Year

Installation Diagram

Bulb Connection

Vehicle Connection

CANbus Module

KNOWN CANBUS VEHICLES

Many vehicles will not require a CANbus kit to be installed, however there are a few vehicles that have been confirmed to require something to allow the bulbs to function properly. If you have a vehicle shown below or have come across an issue with a vehicle not listed here, please call Invision Sales for CANbus advice.

- Ford Ranger
- Ford Focus & Mondeo
- Mazda BT-50
- BMW 5 Series & X3
- Holden VF Commodore
- Holden Colorado & Trailblazer
- Nissan Navara
- Nissan Patrol
- Toyota Hilux
- Toyota Landcruiser & Prado
- Jeep - Most Models
- Audi Q7 & TT

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LED SIGNALLING
BAYONET, FESTOON & WEDGE

Aside from the known benefits of increased life, LED Signalling bulbs actually offer one more vital upgrade over standard incandescent bulbs which is 'activation speed'.

Something people don't often consider is the speed at which a bulb reaches full illumination. Traditional signalling bulbs take time to ignite and reach full output, compared to LED bulbs which reach maximum intensity almost instantaneously.

This means that the LED bulb can be 'seen' much quicker than the incandescent bulb and in a traffic situation where milliseconds can make the difference, LED bulbs are the safest choice.

The near instantaneous illumination of LED gives drivers more time to stop

Incandescent
Reduced Stopping Distance
2m

LED
Increased Stopping Distance
7.4m

With LED bulbs, the driver sees the brake lights earlier and gains a vital 5.4m stopping distance. *Based on a vehicle travelling at 100km/h.*

BAYONET

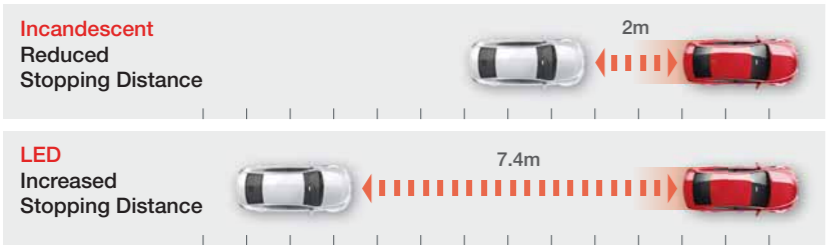| Part No.	Base	Colour	Bulb Type	Lumen	Pack Qty.	Voltage	Pic
990140	BA15s	White 6000K	P21W	360LM	Twin	12V–24V	5
990142	BAU15s	Amber	PY21W	250LM	Twin	12V–24V	5
990142CB	BAU15s (CANbus)	Amber	PY21W	1400LM	Twin	12V	2
990144	BAY15d	Red	P21/5W	120/60LM	Twin	12V–24V	5
990144W	BAY15d	White 6000K	P21/5W	360/120LM	Twin	12V–24V	5
990145	BA15s	White 6000K	R5W & R10W	280LM	Twin	12V–24V	4
990147	BA9s	White 6000K	T4W	68LM	Twin	12V	3
990148	BA9s	White 6000K	T4W	68LM	Twin	24V	3
Reversing							
990140HO	BA15s	White 6000K	P21W	700LM	Twin	12–24V	1

FESTOON

Part No.	Base	Colour	Bulb Type	Lumen	Pack Qty.	Voltage	Pic
990100	SV8.5 / 31 x 10.5	White 6000K	C5W	68LM	Single	12V	1
990102	SV8.5 / 36 x 10.5	White 6000K	C10W	68LM	Single	12V	2
990103	SV8.5 / 36 x 10.5	White 6000K	C10W	68LM	Single	24V	2
990104	SV8.5 / 41 x 10.5	White 6000K	C21W	68LM	Single	12V	3

WEDGE

Part No.	Base	Colour	Bulb Type	Lumen	Pack Qty.	Voltage	Pic
990108	T5	White 6000K	W1.2W	35LM	Twin	12V	1
990109	T5	Blue	W1.2W	5LM	Twin	12V	1
990110	T10	White 6000K	W5W	65LM	Twin	12V	2
990111	T10	White 6000K	W5W	65LM	Twin	24V	2
990114	T10 (CANbus)	White 6000K	W5W	98LM	Twin	12V	3
990120	T16	White 6000K	W16W	350LM	Twin	12V–24V	4
990122	T16	Amber	WY16W	250LM	Twin	12V–24V	4
990124	T20	White 6000K	W21W	360LM	Twin	12V–24V	5
990126	T20	Amber	WY21W	250LM	Twin	12V–24V	5
990126CB	T20 (CANbus)	Amber	WY21W	1400LM	Twin	12V	6
990128	T20	White 6000K	W21/5W	360/120LM	Twin	12V–24V	5
990130	S8	White 6000K	3157	360/120LM	Twin	12V–24V	7
990132	S8	Amber	3157	253/88LM	Twin	12V–24V	7

RESISTOR

Part No.	Type	Pack Qty.	Voltage
990160	5W	Twin	12V
990161	25W	Twin	12V
990165	25W	Twin	24V

5W
25W

Signalling Bulb Kit Warranty

2 Year – Standard Driving Conditions:
For normal day to day driving & recreational 4X4.

1 Year – Off-Highway:
For mining and industrial applications.

This product range is **not approved for ADR, ECE or DOT**

Note: A CANbus resistor may be required on some vehicles when fitting this signalling range. Please consult a qualified Auto Electrician if you experience issues.

J.W. SPEAKER®
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OEM BOBCAT
LED HEADLIGHT REPLACEMENT KIT

PART NO:
0557613

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 1728
	Effective: 1050
Input Voltage:	12V DC
Current Draw:	1.50A @ 12V DC
Lens Material:	Polycarbonate
Body Material:	Nylon
Connector:	OEM Bobcat Connection (PE 12124819)
OEM Headlight	Left Side: 7251341, 7138041 & 7399583
Replacement:	Right Side: 7251340, 7138040 & 7399582
Standards:	Sealed to IP67
Weight:	530 grams per light
Pack Qty:	Twin (Left & Right)

7.44"
189.1mm

6.85"
174.1mm

Forward Lighting

J.W. Speaker have been setting new standards in LED headlights for over a decade with continuous innovation and development that has seen the range grow to meet the specific needs of many industries.

J.W. Speaker has developed a complete LED forward lighting solution for just about everything including trucks, 4WDs, mining vehicles and buses. All of these lighting solutions are exact replacements making extremely easy to upgrade old halogen headlight bulbs and sealed beams to the high powered, pure clean white light of LED.
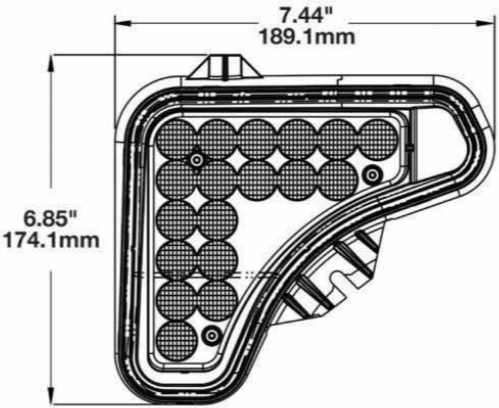
J.W. SPEAKER®
Engineered. Lighting. Solutions.

MODEL 527

10" × 5" FOG LIGHT FOR HEAVY VEHICLES

PART NO:	COLOUR:
0551261	**White**
0551281	**Amber**

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K or Amber
Lumen Output:	Raw: 1,500 (White); 960 (Amber)
	Effective: 640 (White); 400 (Amber)
Input Voltage:	12V - 24V DC
Current Draw:	1.2A @ 12V DC
	0.8A @ 24V DC
Bezel:	Black
Lens Material:	Glass
Body Material:	Xenoy Resin
Mounting:	Universal Pedestal Mount
	(×2) M8-1.25 Mounting Bolt
Connector:	Integrated 2-Pin Deutsch Weather Proof
	Socket (DT04-2P)
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP69K
Weight:	1.18kg
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance	Fog Pattern (6m high at 0°)
10+ Lux	
1 Lux	
0.25 Lux	
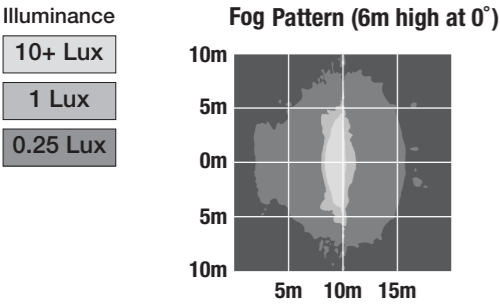
527 Product Accessories

Part No.	Description	Pack Qty
8200151	527 - Protective Rock Guard Kit	Single

4.87"
128.8mm

6.93"
176.0mm

4.02"
102.3mm

4.87"
128.8mm

1.97"
50.0mm

10.18"
258.5mm

MODEL 6150

ADR APPROVED

4" ROUND PEDESTAL FOG LIGHT

PART NO:
0547981

PRODUCT SPECIFICATIONS

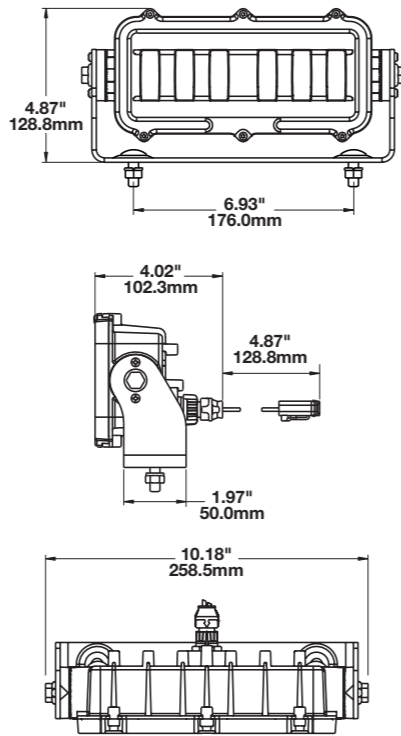|	
Colour Temp:	White 5000K
Lumen Output:	Raw: 1,080
	Effective: 610
Input Voltage:	12V DC
Current Draw:	1.5A @ 12V DC
Bezel:	Black
Lens Material:	Hard-Coated Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal mount
	(×1) M8-1.25 × 25 SS Mounting Bolt
Connector:	Bare Wires
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP67
	ECE Reg 19
	SAE J583
Weight:	450 grams
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance	Fog Beam (.5m high at 0°)
10+ Lux	
1 Lux	
0.25 Lux	

3.95"
100.4mm

4.77"
121.2mm

2.69"
68.3mm
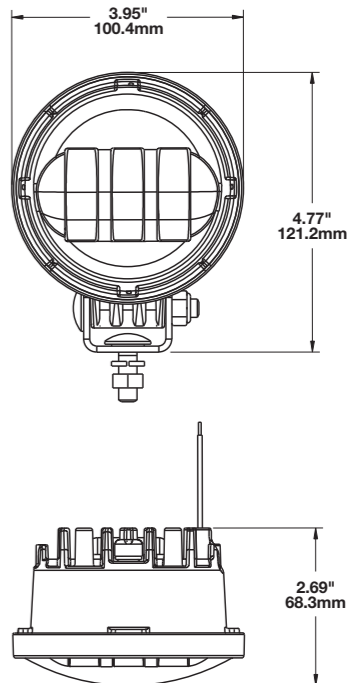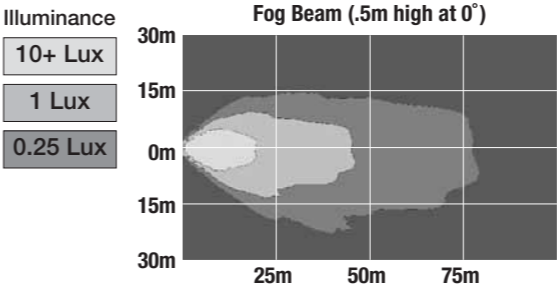
MODEL 8700 EVO 3

7" ROUND HEADLIGHT INSERTS - 12V ONLY

Low Beam | High Beam | Turn | Park | DRL
With Dual Burn® Technology

PART NO:
0558243   Twin Pack (Left & Right)

PRODUCT SPECIFICATIONS

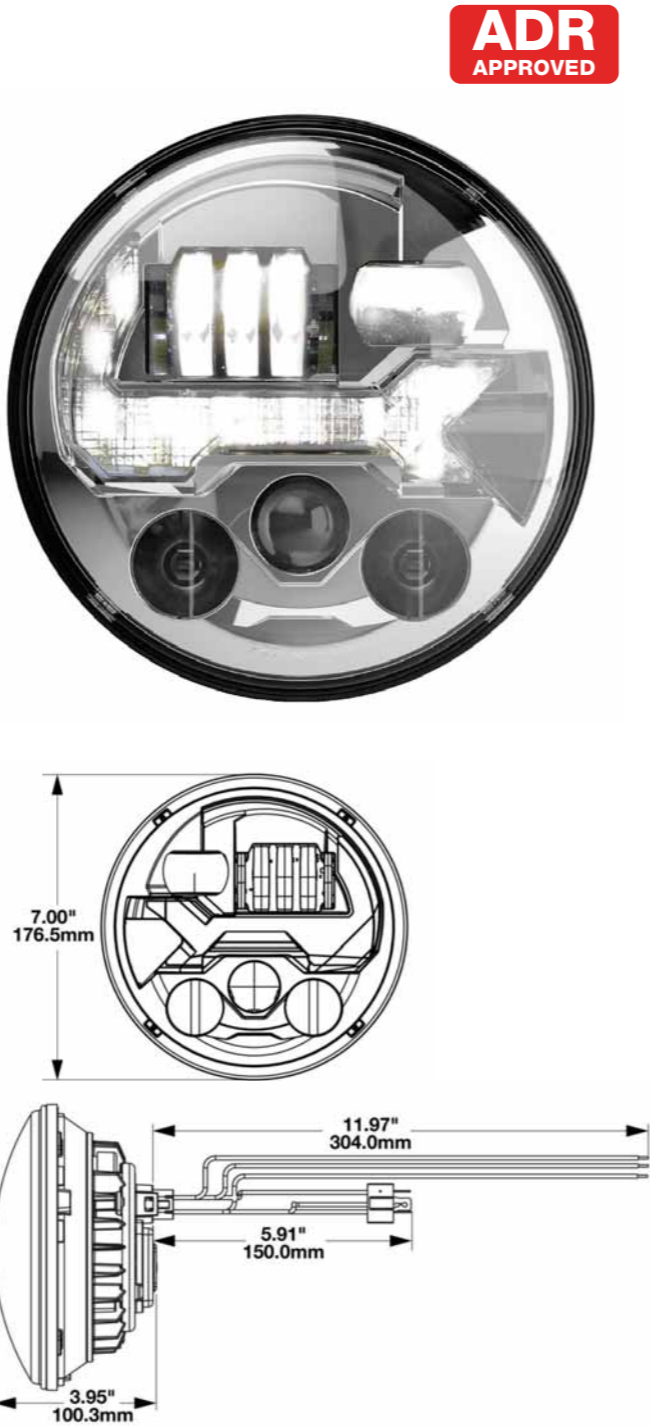|	
Colour Temp:	White 5000K
Lumen Output:	Raw: 3,600 (High); 3,020 (Low)
	Effective: 1,320 (High); 1,201 (Low)
Input Voltage:	12V DC
Maximum Current Draw:	3.25A @ 12V DC (High Beam)
Bezel:	Chrome
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2D1 "PAR56" or 7" round headlights
Connector:	H4 / (3X) 11.97" Flying Leads
Wiring:	Black Wire: Ground
	Yellow Wire: Low Beam
	White Wire: High Beam
	Brown Wire: Front turn
	Red Wire: Position
	Blue Wire: Daytime Running Light
Standards:	IEC IP69K
	ECE Reg 7, 87 & 112
Weight:	1.12kg per light
Pack Qty:	Twin (Left & Right)

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

| 10+ Lux |
| 1 Lux |
| 0.25 Lux |

High Beam (.75m high at 0˚)

Illuminance

| 10+ Lux |
| 1 Lux |
| 0.25 Lux |

Low Beam (.75m high at 0˚)

ADR APPROVED

7.00" 176.5mm

11.97" 304.0mm

5.91" 150.0mm

3.95" 100.3mm
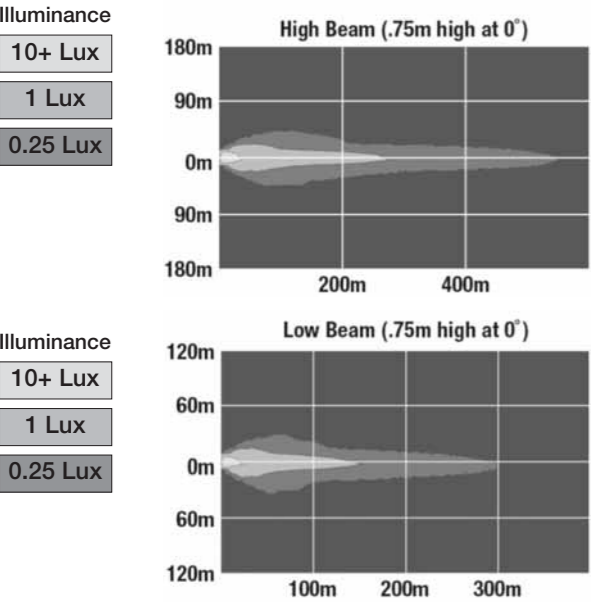
High Beam

Low Beam

Front Position + DRL

Low Beam + Turn Signal

High Beam: Dual Burn® for both widespread long-distance visibility

Low Beam: Brilliant short-range illumination

Daytime Running Light: Eye-catching visibility for daytime driving

Turn Signal: Amber LEDs stand out against white for clear indications

Front Position: Emit brilliant white LED light for maximum visibility

The 8700 EVO 3 kit contains specific Left and Right hand side units.

J.W. SPEAKER®
Engineered. Lighting. Solutions.

MODEL 8700 EVO 2 PRO

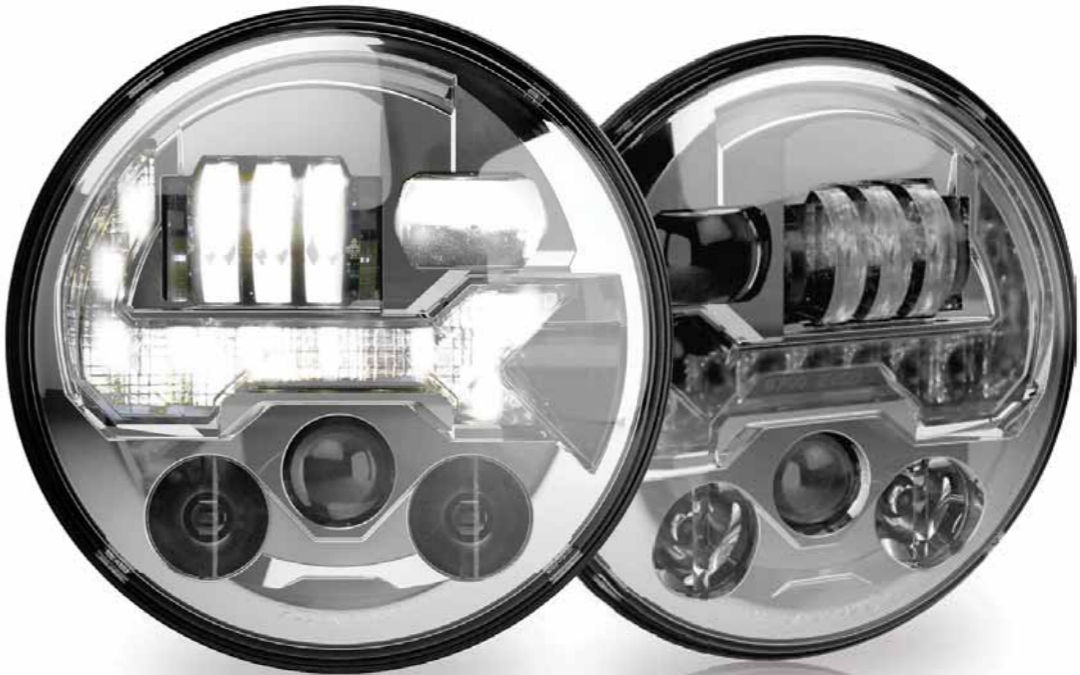## 7" ROUND HEADLIGHT INSERTS

Low Beam | High Beam | Park | DRL
With Dual Burn® Technology

ADR APPROVED

PART NO:	BEZEL:
0556961	Black
0556951	Chrome

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 4,170 (High); 2,340 (Low)
	Effective: 1,340 (High); 694 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	3.60A @ 12V DC (High Beam)
Bezel:	Black or Chrome
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2D1 "PAR56" or 7" round headlights
Connector:	H4 or SAR
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
Weight:	1.05kg
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
- 10+ Lux
- 1 Lux
- 0.25 Lux

High Beam (.75m high at 0˚)

Illuminance
- 10+ Lux
- 1 Lux
- 0.25 Lux

Low Beam LHT (.75m high at 0˚)

6.95"
176.5mm

0.56"
14.2mm

6.65"
169.1mm

7.20"±0.50"
183.0±12.7mm
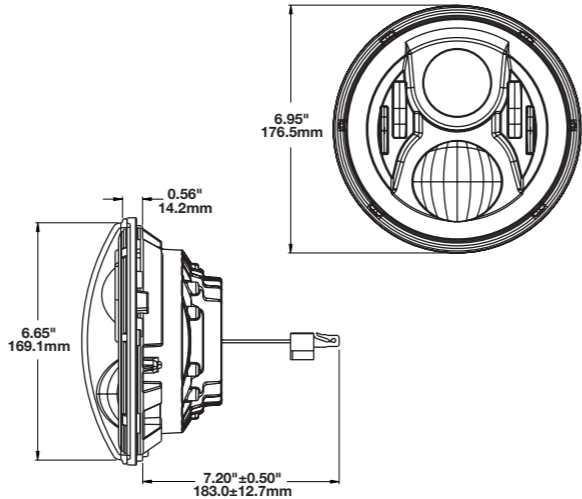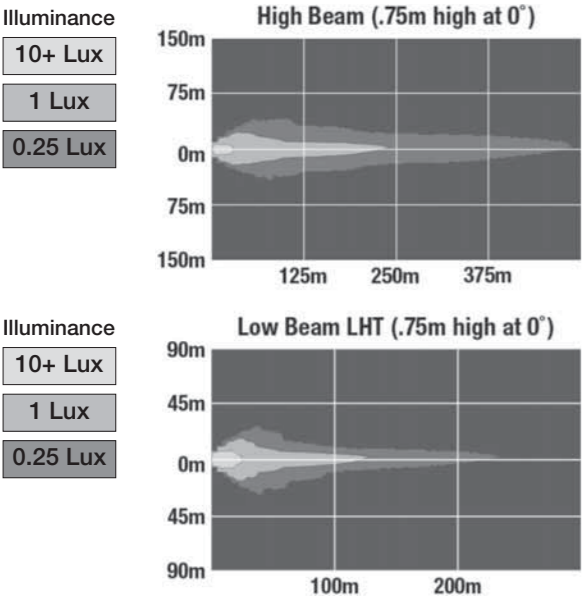
8700 EVO 2 PRO Mounting Options

Part No.	Description	Pack Qty
3156351	8700 - Mounting Ring Kit Assembly	Single
3156561	8700 - Panel Mount Bucket Assembly	Single
3157091	8700 - Side Mount Bucket Assembly	Single

MODEL 8700 EVO 2 PRO

WITH KENWORTH SAR CONNECTION

Same Product Specifications

ADR APPROVED

PART NO:	BEZEL:
0557111	Chrome

The Kenworth T610 SAR uses 2 × AMP connections rather than the standard H4 plug.

This Model 8700 product from J.W. Speaker has the SAR connections pre-installed.

MODEL 8700 EVO 2 PRO

WITH HEATED LENS TECHNOLOGY

Same Product Specifications

ADR APPROVED

PART NO:	BEZEL:
0556331	Chrome

How does it work?

1. A SmartHeat LED light will automatically turn on at startup or when the temperatures drops.

2. The SmartHeat technology uses an internal sensor to sense the current temperature. If the technology senses the temperature to be below the low temperature threshold, the heat will stay on to de-ice the lens.

3. Once the ice has melted and the light has warmed up to meet the high temperature threshold, the SmartHeat grid system will automatically turn off.

J.W. SPEAKER®
Engineered. Lighting. Solutions.

MODEL 8710

7" ROUND HEADLIGHT INSERTS

High Beam Only

PART NO:	BEZEL:
0550021	Black
0550011	Chrome

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 3,300 Effective: 1,440
Input Voltage:	12V - 24V DC
Current Draw:	4.80A @ 12V DC 2.50A @ 24V DC
Bezel:	Black or Chrome
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2D1 "PAR56" or 7" round headlights Optional Pedestal Mount: (×1) 3/8-16 × 1.5" Stainless Steel Screw
Connector:	H4
Wiring:	Black Wire: Ground White Wire: Positive
Standards:	Sealed to IP67 ECE Reg 112
Weight:	1.05kg
Pack Qty:	Single
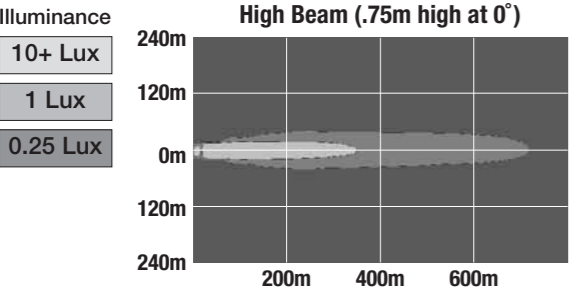
EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

| 10+ Lux |
| 1 Lux |
| 0.25 Lux |

High Beam (.75m high at 0˚)

240m
120m
0m
120m
240m

200m   400m   600m

8710 Mounting Options

Part No.	Description	Pack Qty
3156351	8700 - Mounting Ring Kit Assembly	Single
3156561	8700 - Panel Mount Bucket Assembly	Single
3157091	8700 - Side Mount Bucket Assembly	Single

ADR APPROVED

DIA 6.95"
176.5mm

3.89"
98.8mm
0.52"
13.2mm
Seating Plane
4.07"
103.4mm
6.65"
170mm
0.50"
12.8mm

MODEL TS4000

8710 PEDESTAL MOUNT VARIANT - TWIN PACK

Same Product Specifications

PART NO:	BEZEL:
0551693	Black
0551603	Chrome

4.05"
102.8mm
7.50"
190.4mm
6.70"
169.4mm
6.94"
176.4mm
2.07"
52.6mm

J.W. SPEAKER
Engineered. Lighting. Solutions.
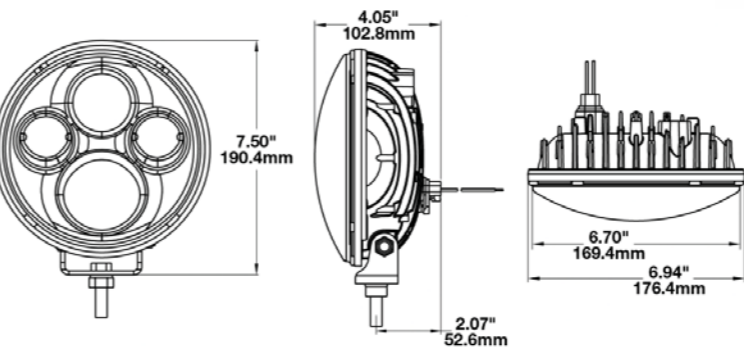
MODEL 8630 EVO
5¾" ROUND HEADLIGHT INSERT

Low Beam | High Beam | Park | DRL

PART NO:
0549921

ADR APPROVED

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 2,925 (High); 2,025 (Low)
	Effective: 1,000 (High); 630 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	3.50A @ 12V DC (High Beam)
Bezel:	Chrome
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR46 sealed beams or 5¾" round headlights
Connector:	Integral Connector in Housing simulating Delphi 12124107
Wiring:	**8630**
	Black Wire: Ground
	White Wire: High Beam
	Yellow Wire: Low Beam
	Red Wire: Park (Front Position)
	Purple Wire: Daytime Running Light
	8631 & 8632 - Next Page
	Orange / White Wire: Turn (Indicator)
Standards:	Sealed to IP67
	ECE Reg 7, 87 & 112
Weight:	840 grams (8630 & 8631)
	1.1kg per light (8632)
Pack Qty:	Single (8630 & 8631)
	Twin (8632)
Product Accessories:	Mounting Ring Kits (Page 85)

Ø5.65"
143.5mm

0.50"
12.7mm

SEATING PLANE

5.09"
129.3mm

2.00"
51.0mm

3.37"
85.6mm

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
10+ Lux
1 Lux
0.25 Lux

Low Beam LHT (.75m high at 0˚)

75m
38m
0m
38m
75m

50m 100m 150m 200m

Illuminance
10+ Lux
1 Lux
0.25 Lux

High Beam LHT (.75m high at 0˚)

150m
75m
0m
75m
150m

125m 250m 375m
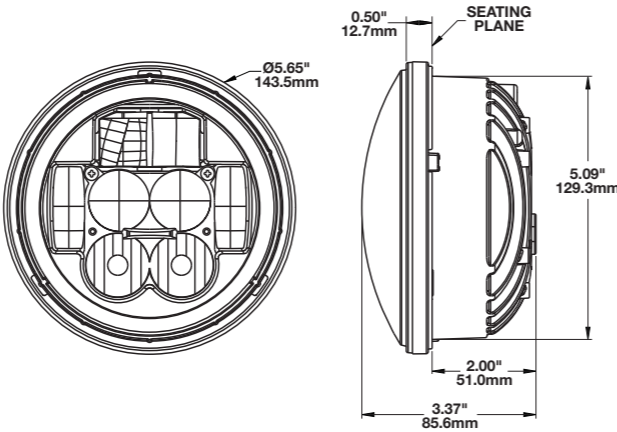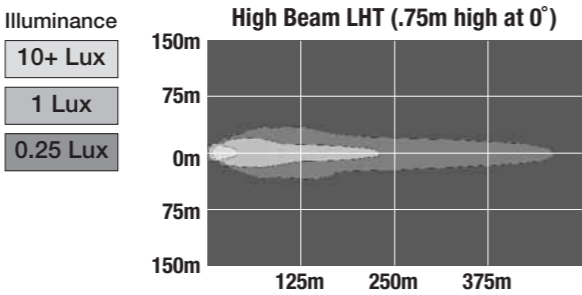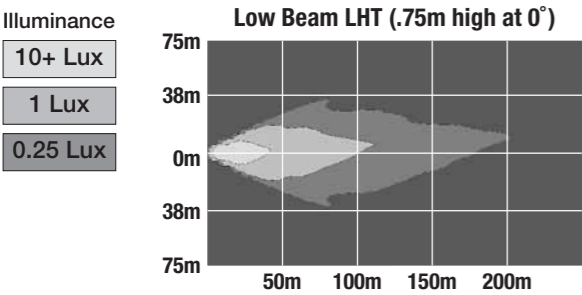
MODEL 8631 EVO
8630 WITH TURN SIGNAL

Same Product Specifications

PART NO:
0551641

ADR APPROVED

MODEL 8632 EVO
8630 WITH PEDESTAL MOUNT & TURN SIGNAL - TWIN PACK

Same Product Specifications

PART NO:
0551973

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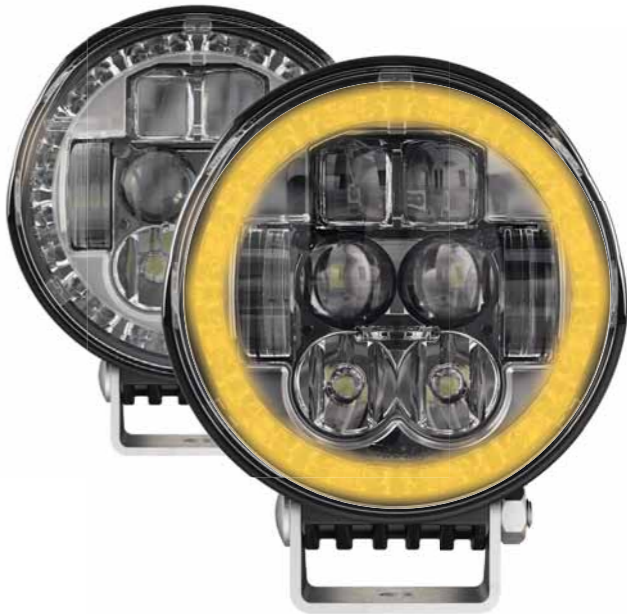
MODEL 6130 EVO
4¾" ROUND HEADLIGHT INSERTS
(Low Beam | DRL) & (High Beam | Park)

ADR APPROVED

PART NO:	BEAM:
0549861	Low & DRL
0549871	High & Park

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 1,760 (High); 1,690 (Low)
	Effective: 955 (High); 640 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	**0549861 -** 2.07A @ 12V DC (Low Beam)
	0549871 - 1.84A @ 12V DC (High Beam)
Bezel:	Black
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)
Weight:	700 grams
Pack Qty:	Single
Product Accessories:	Mounting Ring Kit (Page 85)
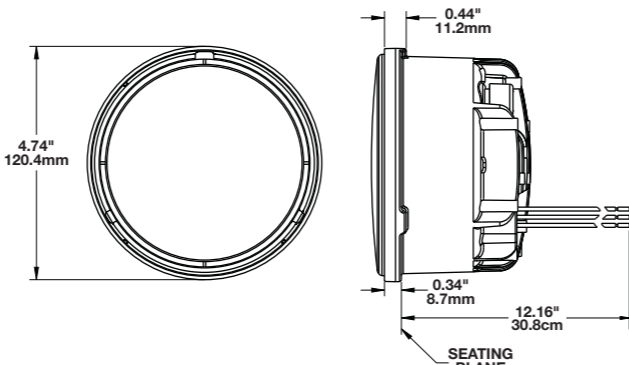
0.44"
11.2mm

4.74"
120.4mm

0.34"
8.7mm

12.16"
30.8cm

SEATING PLANE

EFFECTIVE LUMENS ISOLUX CHARTS

Low Beam LHT (.75m high at 0˚)

Illuminance
10+ Lux
1 Lux
0.25 Lux

60m
30m
0m
30m
60m

50m 100m 150m

High Beam (.75m high at 0˚)

Illuminance
10+ Lux
1 Lux
0.25 Lux

120m
60m
0m
60m
120m

100m 200m 300m

MODEL 6130 EVO
4¾" ROUND HEADLIGHT INSERT
Low Beam | High Beam | Park

ADR APPROVED
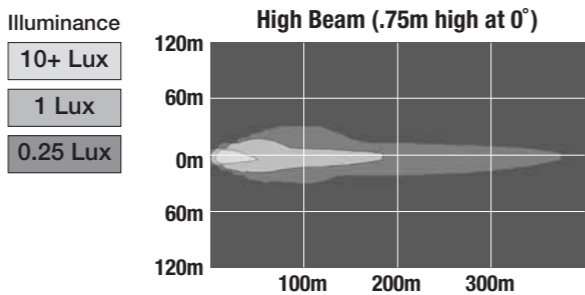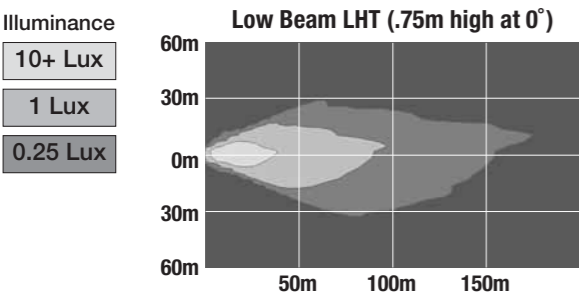
PART NO:
0549891

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 2,230 (High); 1,330 (Low)
	Effective: 840 (High); 440 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	3.00A @ 12V DC (High Beam)
Bezel:	Black
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
Weight:	700 grams
Pack Qty:	Single
Product Accessories:	Mounting Ring Kit (Page 85)

0.44"
11.2mm

4.74"
120.4mm

0.34"
8.7mm

12.16"
30.8cm

SEATING PLANE

EFFECTIVE LUMENS ISOLUX CHARTS

Low Beam LHT (.75m high at 0˚)

Illuminance
10+ Lux
1 Lux
0.25 Lux

60m
30m
0m
30m
60m

50m 100m 150m

High Beam (.75m high at 0˚)

Illuminance
10+ Lux
1 Lux
0.25 Lux

120m
60m
0m
60m
120m

100m 200m 300m
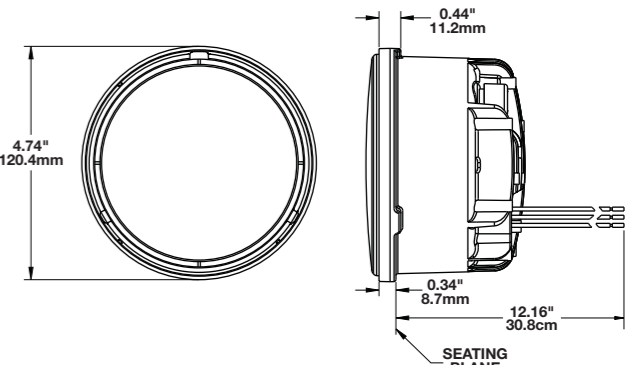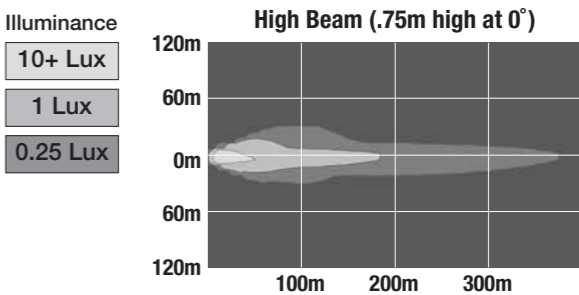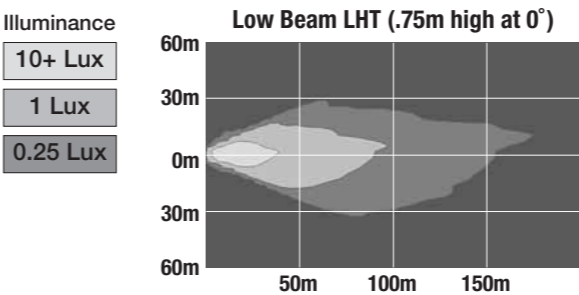
MODEL 8415 EVO

4½" ROUND ATV / UTV HEADLIGHT INSERT

Low Beam | High Beam

PART NO:
0552031

ADR APPROVED

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 1,075 (High); 430 (Low) Effective: 720 (High); 240 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	1.14A @ 12V DC (High Beam)
Bezel:	Clear
Lens Material:	Polycarbonate
Body Material:	Polycarbonate
Mounting:	4½" Adjustable Mount
Connector:	Packard 12110293 (See diagram below)
Wiring:	Not Supplied
Standards:	Sealed to IP67 ECE Reg 113 Class C UL Recognised SAEJ1623 & SAEJ2258 ASABE S608
Weight:	230 grams
Pack Qty:	Single

LOW BEAM

HIGH BEAM

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

10+ Lux

1 Lux

0.25 Lux

High Beam (.75m high at 0°)

120m
60m
0m
60m
120m

100m   200m   300m

Illuminance

10+ Lux

1 Lux

0.25 Lux

Low Beam (.75m high at 0°)

30m
15m
0m
15m
30m

25m   50m   75m

Ø 4.33"
110.0mm

2.32"
59.0mm

4.39"
111.5mm

0.88"
22.3mm

Ø 0.30"
7.8mm

1.05"
26.7mm

2.87"
73.0mm
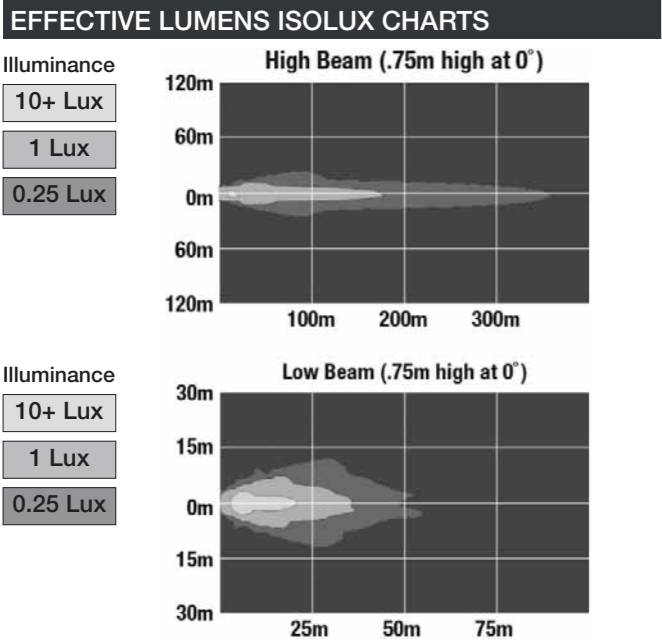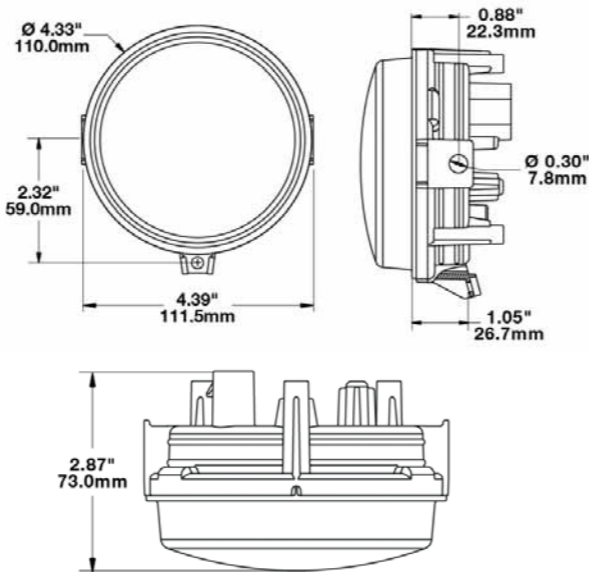
CONNECTOR DIAGRAM / INFORMATION

Ground
Low Beam
High Beam
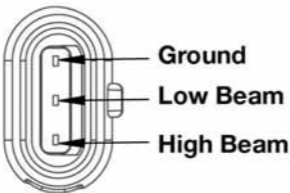
Mating Connector:
Packard #12110293

MODEL 97

100mm ROUND HEADLIGHT INSERT

Low Beam | High Beam | Park

ADR APPROVED

PART NO:
0554911

PRODUCT SPECIFICATIONS

|	
Colour Temp:	White 5000K
Lumen Output:	Raw: 1,800 (High); 1,600 (Low)
	Effective: 497 (High); 321 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	1.8A @ 12V DC (High Beam)
Bezel:	Black
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	3 point flush mount or pedestal
Connector:	Deutsch DT04-4P
Wiring:	Black Wire: Ground
	Yellow Wire: Low Beam
	White Wire: High Beam
	Red Wire: Front Position
Standards:	Sealed to IP69K
	ECE Reg 7, 10 & 112
Weight:	840 grams
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
10+ Lux
1 Lux
0.25 Lux

High Beam (0.75m high at 0°)

Illuminance
10+ Lux
1 Lux
0.25 Lux

Low Beam LHT (0.75m high at 0°)

3.95" 100.3mm

3.95" 100.3mm

3.33" 84.6mm

3.33" 84.6mm
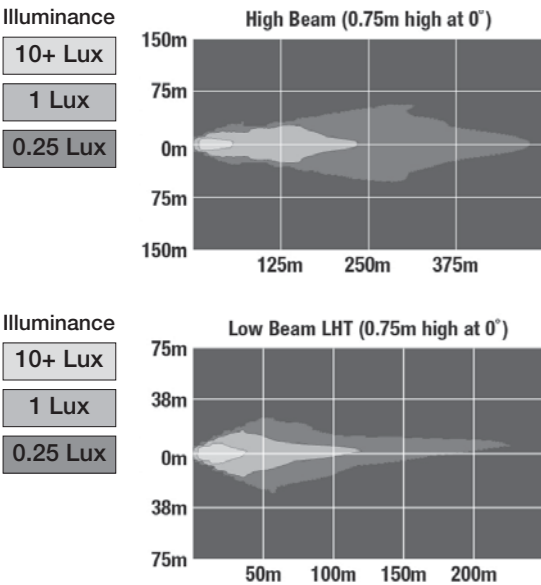
97 Mounting Options

Part No.	Description	Pack Qty
8001511	3-Point Mount for 3mm Mounting Frame	Single
8001521	Single Pedestal Mount Kit	Single

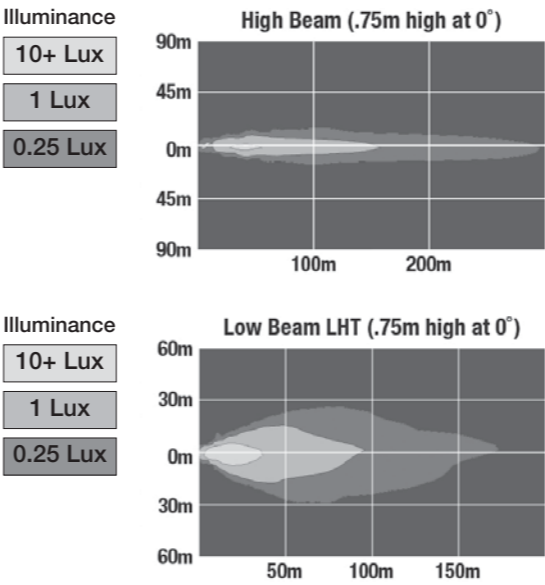# MODEL 93

90mm ROUND HEADLIGHT INSERTS

(Low Beam) & (High Beam | Park)

ADR APPROVED
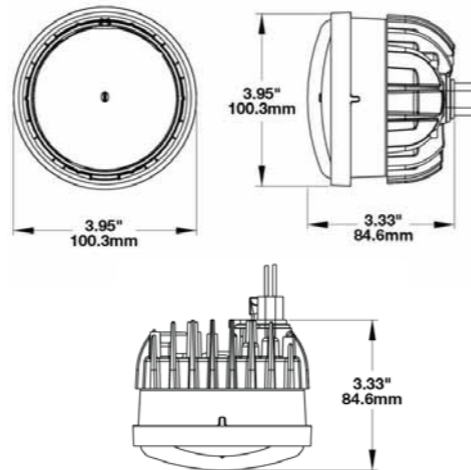
PART NO:	BEAM:
0553091	Low
0554381	High & Park

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 630 (High); 1,910 (Low)
	Effective: 230 (High); 575 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	1.97A @ 12V DC (Low Beam)
	0.80A @ 12V DC (High Beam)
Bezel:	Black
Lens Material:	Hard-Coated Polycarbonate
Body Material:	Aluminium
Mounting:	3 point flush mount or pedestal
Connector:	Deutsch DT04-4P
Wiring:	Red Wire: Positive
	Black Wire: Negative
	White Wire: Park (Front Position)
Standards:	Sealed to IP69K
	ECE Reg 112
	ECE Reg 7 (0554381)
	FMVSS 108 Table XVIII (0554381)
Weight:	450 grams
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
10+ Lux
1 Lux
0.25 Lux

High Beam (.75m high at 0°)

Illuminance
10+ Lux
1 Lux
0.25 Lux

Low Beam LHT (.75m high at 0°)

Ø3.56" Ø90.32mm

3.67" 93.25mm

11.80" ± 0.5" 299.80mm ± 12.7mm

93 Mounting Options

Part No.	Description	Pack Qty
8001601	Single Lamp Pedestal Mount Bracket	Single
8001621	Double Lamp Pedestal Mount Bracket	Single
8001461	3-Point Mount for 1.5mm Thick Frame	Single
8001471	3-Point Mount for 3mm Thick Frame	Single

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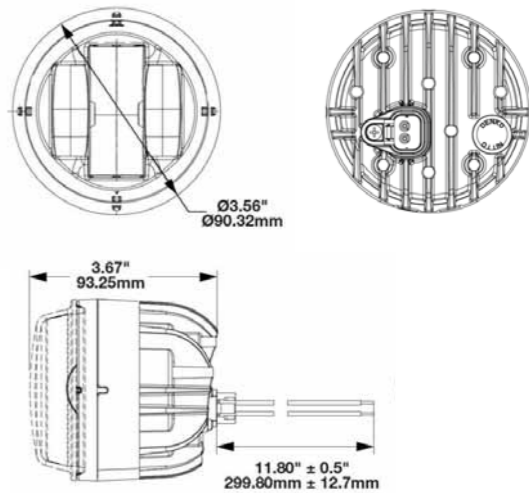
MODEL 93 - NEW 5 IN 1
90mm ROUND HEADLIGHT INSERT

Low Beam | High Beam | Turn | Park | DRL

ADR APPROVED

PART NO:
0560381

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 1,827 (High); 1,325 (Low) Effective: 683 (High); 495 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	1.96A @ 12V DC (High Beam)
Bezel:	Black
Lens Material:	Hard-Coated Polycarbonate
Body Material:	Aluminium
Mounting:	3 point flush mount or pedestal
Connector:	Deutsch DT06-6S
Wiring:	Not supplied - See below for pin out diagram & wiring information
Standards:	Sealed to IP67 & IP69K ECE Reg 148 - A, 148 - 1b, 148 - RL, 149 - R, 149 - HC, 149 - R & 10
Weight:	540 grams
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

10+ Lux
1 Lux
0.25 Lux

Asymmetric High Beam (0.75m high at 0°)

150m
75m
0m
75m
150m
125m 250m 375m

Illuminance

10+ Lux
1 Lux
0.25 Lux

Asymmetric Low Beam (0.75m high at 0°)

180m
90m
0m
90m
180m
200m 400m

3.54in 90.0mm

4.96in 126.0mm

Pin Out Diagram & Wiring Information

White Wire = High Beam — F
Black Wire = Ground — E
Blue Wire = DRL — D
A — Yellow Wire = Low Beam
B — Red Wire = Front Position
C — Orange Wire = Turn

93 Mounting Options

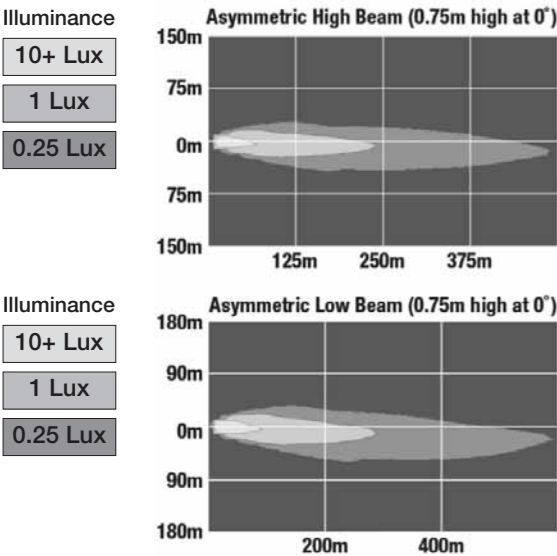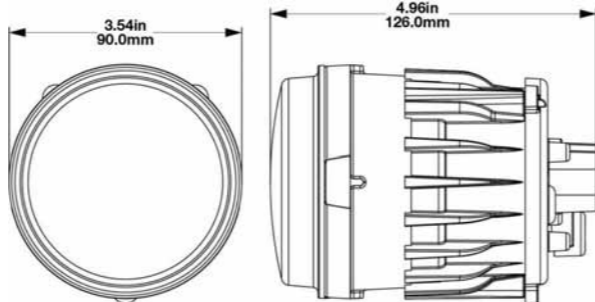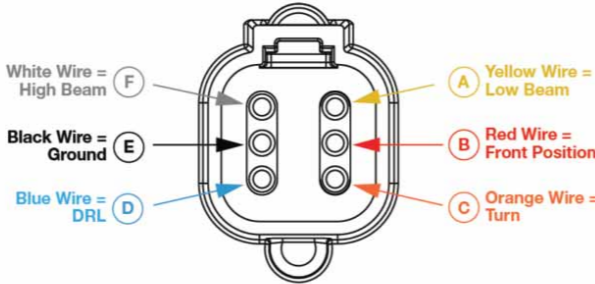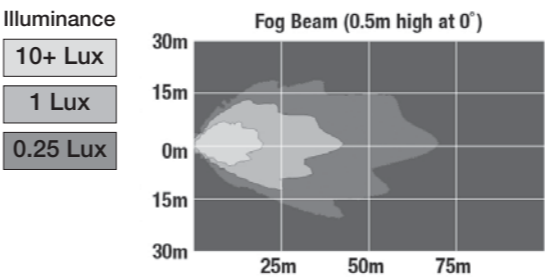| Part No.	Description	Pack Qty
8001601	Single Lamp Pedestal Mount Bracket	Single
8001621	Double Lamp Pedestal Mount Bracket	Single
8001461	3-Point Mount for 1.5mm Thick Frame	Single
8001471	3-Point Mount for 3mm Thick Frame	Single

MODEL 93
90mm ROUND HEADLIGHT INSERTS

(Turn | DRL | Park) & (Fog Beam)

ADR APPROVED

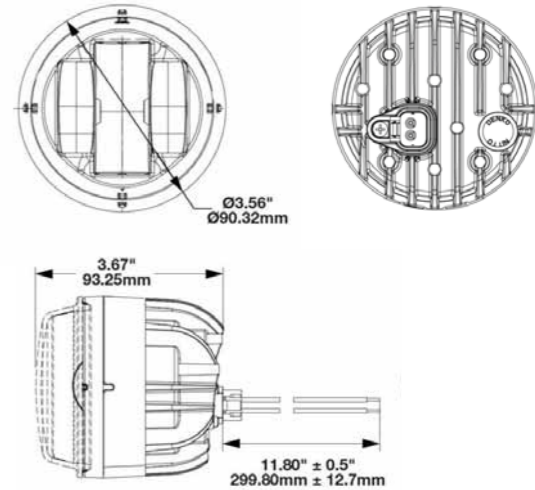| PART NO:	BEAM:
0347941	**Turn, DRL & Park**
0556701	**Fog**

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 1,435 (Fog) Effective: 607 (Fog)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	**0347941 -** 1.18A @ 12V DC (Turn Signal) **0556701 -** 1.25A @ 12V DC (Fog)
Bezel:	N/A
Lens Material:	Hard-Coated Polycarbonate
Body Material:	Aluminium
Mounting:	3 point flush mount or pedestal
Connector:	Deutsch DT04-4P
Wiring:	**0347941** **0556701** Red Wire: DRL Red Wire: Position Black Wire: Ground Black Wire: Ground Yellow Wire: Turn White Wire: Park
Standards:	Sealed to IP69K **0347941** ECE Reg 6.01 ECE Reg 87 ECE Reg 7 SAE J2087 & 588 **0556701** ECE Reg 19.04 SAEJ583
Weight:	450 grams
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

10+ Lux
1 Lux
0.25 Lux

Fog Beam (0.5m high at 0°)

30m
15m
0m
15m
30m
25m 50m 75m

Ø3.56"
Ø90.32mm

3.67"
93.25mm

11.80" ± 0.5"
299.80mm ± 12.7mm

93 Mounting Options

Part No.	Description	Pack Qty
8001601	Single Lamp Pedestal Mount Bracket	Single
8001621	Double Lamp Pedestal Mount Bracket	Single
8001461	3-Point Mount for 1.5mm Thick Frame	Single
8001471	3-Point Mount for 3mm Thick Frame	Single

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MODEL 8800 EVO 2

4" × 6" RECTANGLE HEADLIGHT INSERTS

(Low Beam) & (High Beam)

ADR APPROVED

Low Beam

PART NO:	BEZEL:
0552561	Black
0551391	Chrome

High Beam

PART NO:	BEZEL:
0552571	Black
0551381	Chrome

PRODUCT SPECIFICATIONS

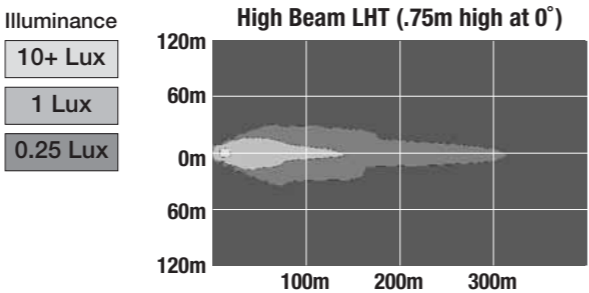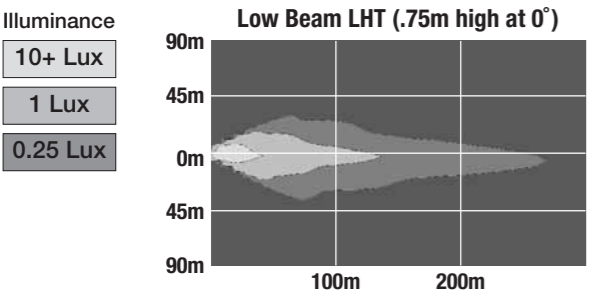|	
Colour Temp:	White 5000K
Lumen Output:	Raw: 3,000 (Low); Effective: 890 (High); 740 (Low)
Input Voltage:	12V - 24V DC
Current Draw:	2.10A @ 12V DC 1.00A @ 24V DC
Bezel:	Black or Chrome
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	1A1 and 2A1 (4" × 6") sealed beams
Connector:	H4 Connector - AMP (#172615-2)
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP67 ECE Reg 112 FMVSS 108 Table XIX (Low Beam) FMVSS 108 Table XVIII (High Beam)
Weight:	830 grams
Pack Qty:	Single

6.59" 167.6mm
4.21" 107.1mm
3.40" 86.4mm
1.27" 32.4mm
8.00" 203.3mm
3.92" 99.3mm
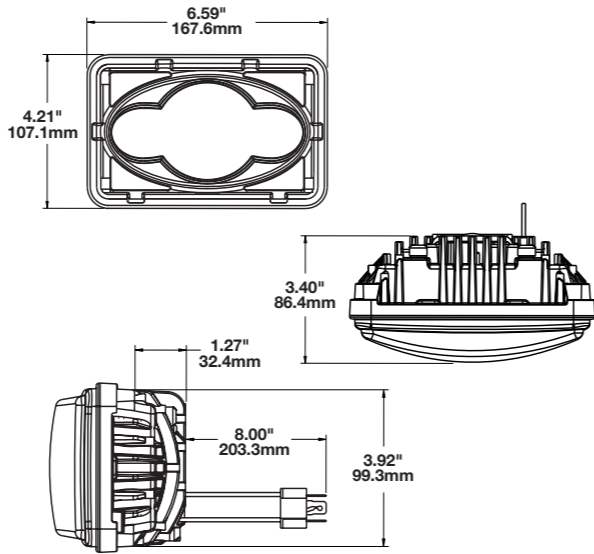
8800 EVO2 Mounting Options

Part No.	Description	Pack Qty
3156600	Right Hand Dual Headlight Assembly	Single
3156680	Left Hand Dual Headlight Assembly	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
10+ Lux
1 Lux
0.25 Lux

Low Beam LHT (.75m high at 0°)
90m / 45m / 0m / 45m / 90m
100m   200m

Illuminance
10+ Lux
1 Lux
0.25 Lux

High Beam LHT (.75m high at 0°)
120m / 60m / 0m / 60m / 120m
100m   200m   300m

MODEL 8820

4" × 6" RECTANGLE HEADLIGHT INSERT

Low Beam | High Beam | Park

ADR APPROVED

PART NO:
0550281

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 2,100 (High); 1,850 (Low) Effective: 755 (High); 645 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	2.14A @ 12V DC (High Beam)
Bezel:	Black
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	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
Weight:	1.13kg
Pack Qty:	Single
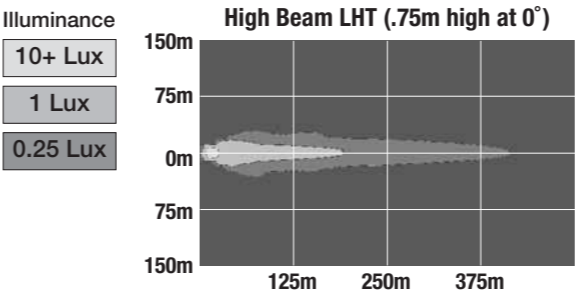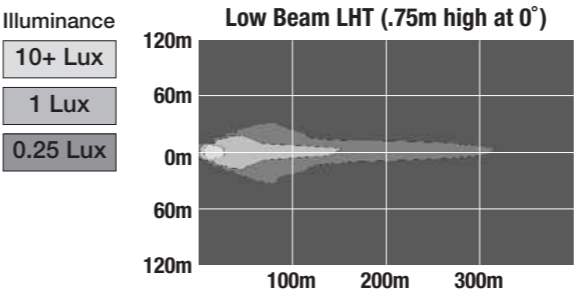
Note: This headlight insert does **NOT** fit conventional 4 × 6" headlight buckets

4.72" 120.1mm
5.11" 129.8mm
4.03" 102.4mm
0.68" 17.2mm
4.50" 114.3mm
4.27" 108.4mm
0.09" 2.3mm
8.65" 219.6mm
3.44" 87.3mm
6.64" 168.6mm

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
10+ Lux
1 Lux
0.25 Lux

Low Beam LHT (.75m high at 0°)
120m / 60m / 0m / 60m / 120m
100m   200m   300m

Illuminance
10+ Lux
1 Lux
0.25 Lux

High Beam LHT (.75m high at 0°)
150m / 75m / 0m / 75m / 150m
125m   250m   375m

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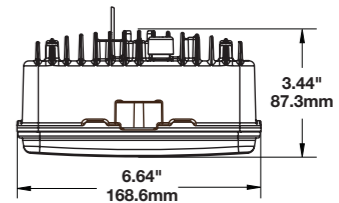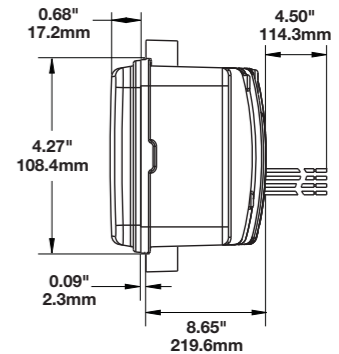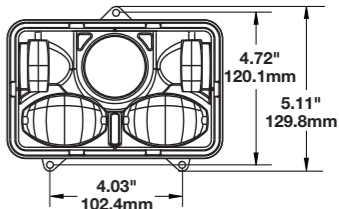
MODEL 8900 EVO 2

5" × 7" RECTANGLE HEADLIGHT INSERTS

Low Beam | High Beam | Park

ADR APPROVED

PART NO:	BEAM:
0554451	Black
0554431	Chrome

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 2,640 (High); 2,250 (Low)
	Effective: 1,200 (High); 975 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	1.94A @ 12V DC (High Beam)
Bezel:	Black or Chrome
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2B1 5" × 7" headlights
Connector:	H4
Wiring:	Black Wire: Ground
	Yellow Wire: Low Beam
	White Wire: High Beam
	Red Wire: Park (Front Position)
Standards:	Sealed to IP69K
	ECE Reg 7, 10 & 112
Weight:	1.19kg
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
10+ Lux
1 Lux
0.25 Lux

High Beam RHT (0.75m high at 0°)
90m 45m 0m 45m 90m
100m 200m

Illuminance
10+ Lux
1 Lux
0.25 Lux

Reg 112 Low Beam RHT (0.75m high at 0°)
45m 23m 0m 23m 45m
50m 100m

3.74" 95.0mm
4.68"±0.50" 118.9mm±12.70mm
7.87" 200.0mm
1.15" 29.2mm
5.59" 142.0mm
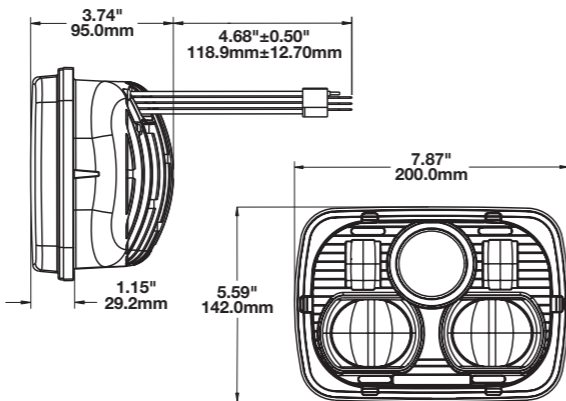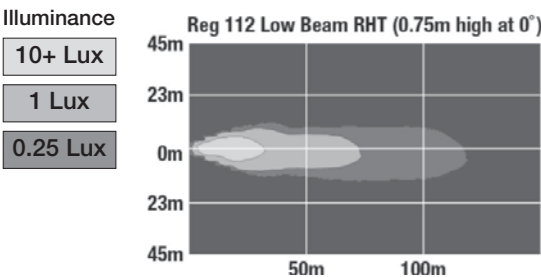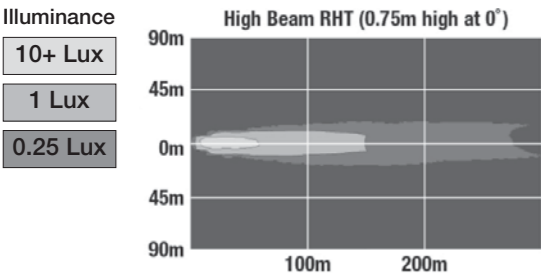
8900 EVO 2 Mounting Options

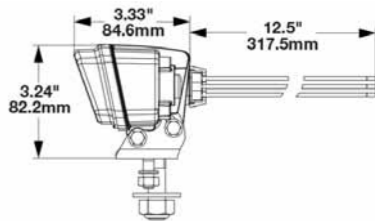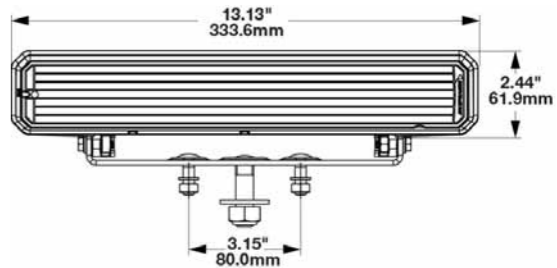| Part No.	Description	Pack Qty
3157041	8900 - Single Bucket Mounting Assembly	Single

MODEL 9900LP

3¼" × 13" SNOW PLOW HEADLIGHTS

Low Beam | High Beam | Turn | Park | DRL
WITH HEATED LENS

ADR APPROVED

PART NO:
0556383

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 4,300 (High); 2,370 (Low)
	Effective: 1,060 (High); 587 (Low)
Input Voltage:	12V - 24V DC
Maximum Current Draw:	5.00A @ 12V DC
Bezel:	Black
Lens Material:	Polycarbonate with SmartHeat technology
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount
Connector:	6-Pin Delphi (#12052848)
Wiring:	Black Wire: Ground
	Yellow Wire: Low Beam
	White Wire: High Beam
	Red Wire: Park (Front Position)
	Blue Wire: Daytime Running Light
	Orange: Turn
Standards:	Sealed to IP67
	ECE Reg 10 (Radiated Emissions Only)
	ECE Reg 6, 7, 87 & 112
Weight:	1.26kg per light
Pack Qty:	Twin (Left & Right)

13.13" 333.6mm
2.44" 61.9mm
3.15" 80.0mm
3.33" 84.6mm
12.5" 317.5mm
3.24" 82.2mm

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
10+ Lux
1 Lux
0.25 Lux

High Beam (0.75m high at 0°)
120m 60m 0m 60m 120m
100m 200m 300m

Illuminance
10+ Lux
1 Lux
0.25 Lux

Low Beam LHT (0.75m high at 0°)
30m 15m 0m 15m 30m
25m 50m 75m
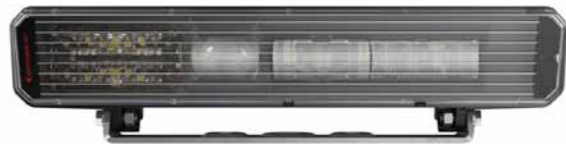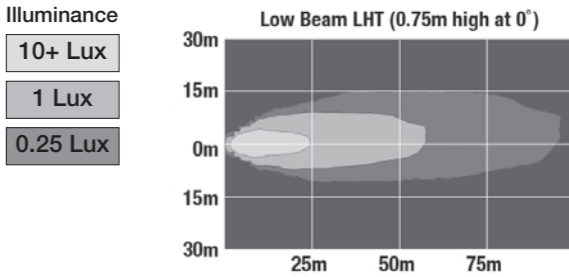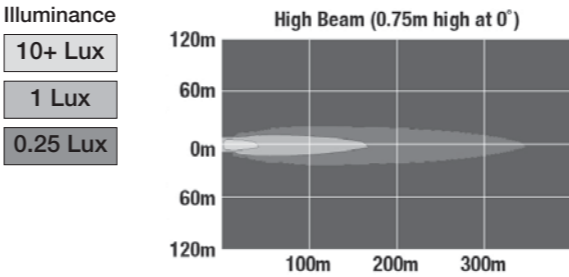
Worklights

J.W. Speaker are the world leaders in LED worklight solutions for the mining, agriculture, industrial and transport industries.

The technology delivers specialised solutions to countries such as Canada, Germany, England, Chile, South Africa, Indonesia, New Zealand and Australia.

J.W. Speaker also engineers advanced LED lighting solutions for the worlds leading Original Equipment Manufacturers where the world's highest quality standards are demanded.
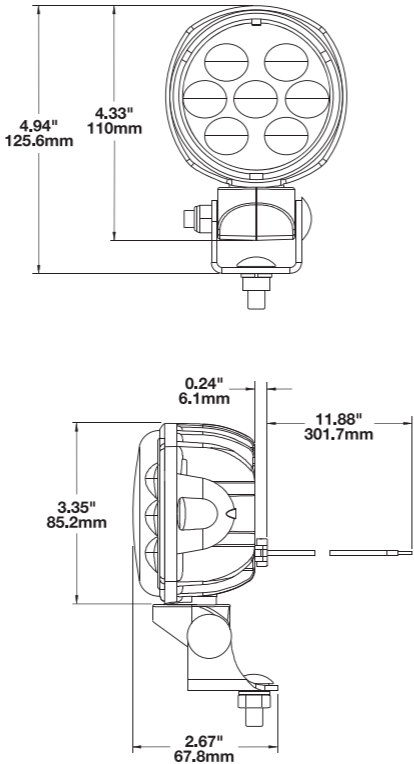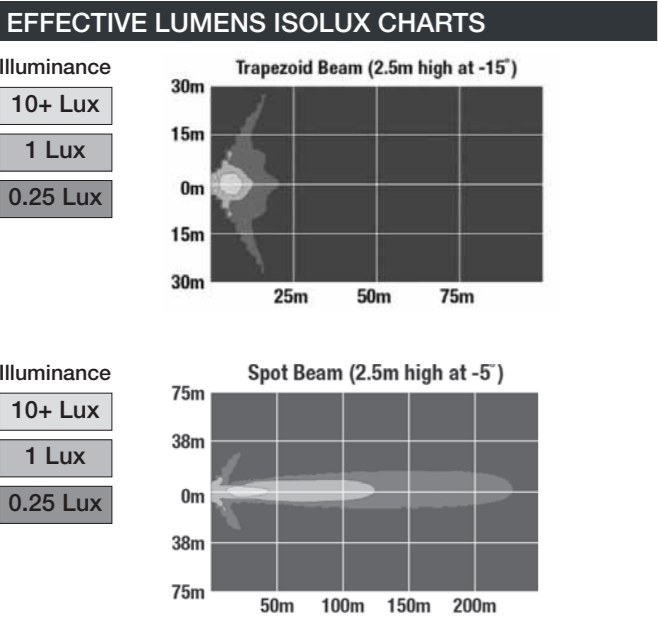
Transport   Agricultural   Mining

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Engineered. Lighting. Solutions.

MODEL 4415

3½" ROUND WORKLIGHTS

PART NO:	BEAM:
0549841	Trap
0551001	Spot

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 2,450
	Effective: 1,350
Input Voltage:	12V - 24V DC
Current Draw:	2.20A @ 12V DC
	1.10A @ 24V DC
Bezel:	Black or Chrome
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal w/ swivel bracket
Connector:	Packard# 12084167
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP67
Weight:	410 grams (0549841 & 0551001)
	450 grams per light (0551753)
Pack Qty:	Single (0549841 & 0551001)
	Twin (Left & Right - 0551753)

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
- 10+ Lux
- 1 Lux
- 0.25 Lux

Trapezoid Beam (2.5m high at -15°)

Illuminance
- 10+ Lux
- 1 Lux
- 0.25 Lux

Spot Beam (2.5m high at -5°)

4.94" 125.6mm
4.33" 110mm

0.24" 6.1mm
11.88" 301.7mm
3.35" 85.2mm
2.67" 67.8mm

WITH SIDE VIEW MIRROR MOUNT

PART NO:	BEAM:
0551753	Spot

The Model 4415 with side view mirror mount is a compact & lightweight LED work light set.

Designed specifically for truck or heavy vehicle side mirrors, the pre-installed shrouds provide glare protection for the drivers when looking rearward through their mirrors.
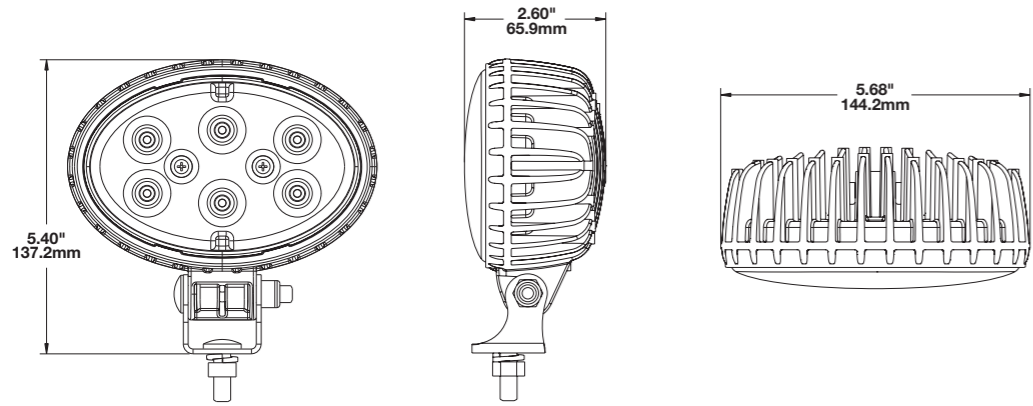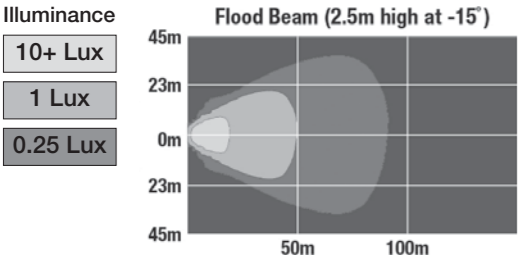
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MODEL 735
5" × 3" OVAL WORKLIGHTS

PART NO:	BEAM:
1706591	Flood

PRODUCT SPECIFICATIONS

Colour Temp:	White 5700K
Lumen Output:	Raw: 3,900
	Effective: 2,600
Input Voltage:	12V - 24V DC
Current Draw:	3.50A @ 12V DC
	1.75A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount
	(×1) 5/16"-18 × 0.58" Mounting Bolt
Connector:	Deutsch DT04-2P & Deutsch DT06-2S
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP69K
Weight:	700 grams
Pack Qty:	Single

2.60"
65.9mm

5.68"
144.2mm

5.40"
137.2mm

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

| 10+ Lux |
| 1 Lux |
| 0.25 Lux |

Flood Beam (2.5m high at -15°)

45m
23m
0m
23m
45m

50m   100m

MODEL 7150
7" × 5" OVAL WORKLIGHTS

PART NO:	BEAM:
1801581	Flood

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 5,400
	Effective: 4,500
Input Voltage:	12V - 24V DC
Current Draw:	5.50A @ 12V DC
	3.20A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount
	(×1) 1/2"-13 × 1" Mounting Bolt
Connector:	Deutsch DT04-2P & Deutsch DT06-2S
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP69K
	SAE J1113-13
	CISPR 12 & 22
Weight:	950 grams
Pack Qty:	Single

2.59"
65.7mm

6.79"
172.4mm

6.14"
156.0mm

1.79"
45.5mm

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

| 10+ Lux |
| 1 Lux |
| 0.25 Lux |

Flood Beam (2.5m high at -15°)

45m
23m
0m
23m
45m

50m   100m

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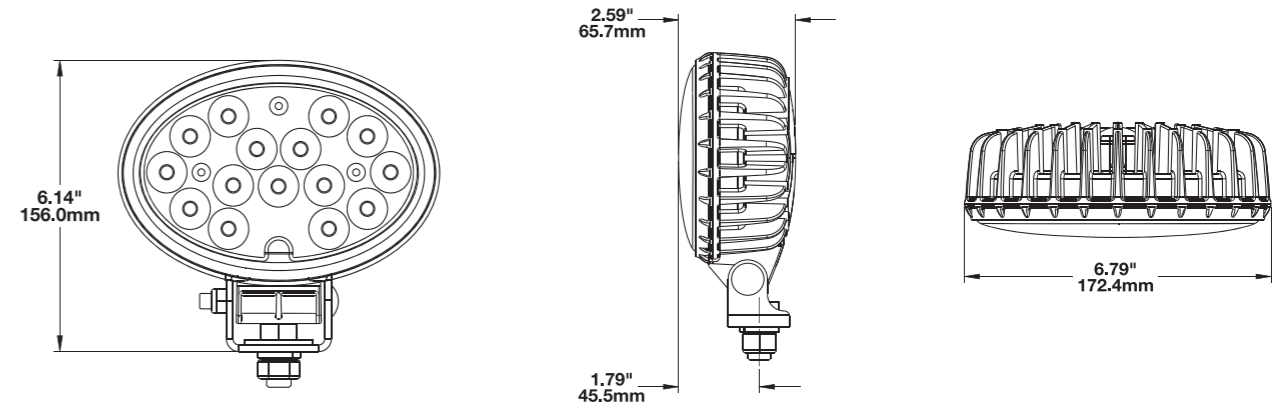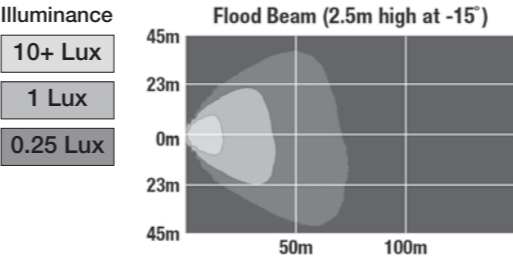
MODEL 792

4" × 3" RECTANGLE WORKLIGHTS

12V - 24V

PART NO:	BEAM:
1603921	Pedestal
1603951	Panel

36V - 90V

PART NO:	BEAM:
1603931	Pedestal

PRODUCT SPECIFICATIONS

Colour Temp:	White 5050K
Lumen Output:	Raw: 3,630
	Effective: 2,000
Input Voltage:	12V - 24V or 36V - 90V DC
Maximum Current Draw:	**12V - 24V** **36V - 90V**
	2.2A @ 12V DC 0.75A @ 36V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Panel or Pedestal with (×1) 5/16"-18 × 1.00" Mounting Bolt Bracket
Connector:	JAE Connector MX19A003S51 harness included with flying leads
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP67 & IP69K
Weight:	180 grams
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS
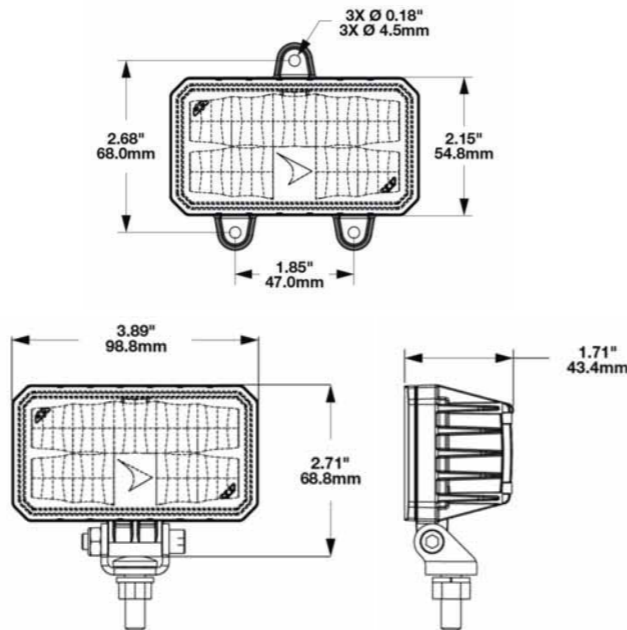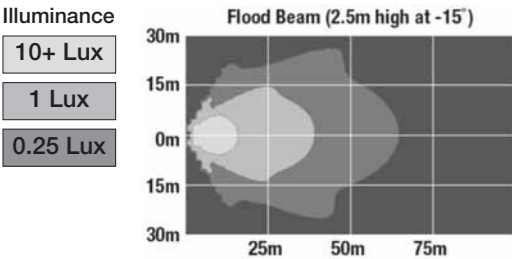
MODEL 892

4" × 4" RECTANGLE WORKLIGHT

PART NO:	
1603961	

PRODUCT SPECIFICATIONS

Colour Temp:	White 5050K
Lumen Output:	Raw: 6,372
	Effective: 3,800
Input Voltage:	12V - 24V DC
Current Draw:	4.38A @ 12V DC
	1.84A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount
	(×1) 5/16"-18 × 1.00" Mounting Bolt Bracket
Connector:	Deutsch DT06-2S-E003
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP67 & IP69K
	ECE Reg 10
Weight:	410 grams
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHARTS

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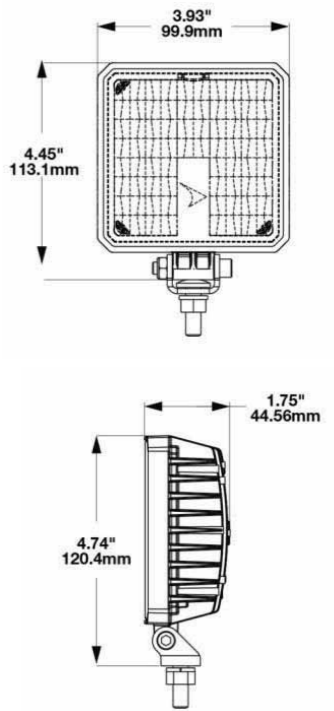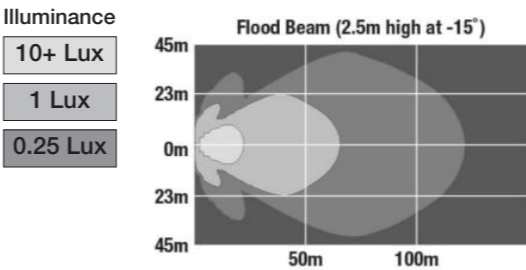
MODEL 893

8" × 3" RECTANGLE WORKLIGHT

PART NO:
1300671

PRODUCT SPECIFICATIONS

Colour Temp:	White 5050K
Lumen Output:	Raw: 7,120
	Effective: 3,700
Input Voltage:	12V - 24V DC
Current Draw:	4.5A @ 12V DC
	1.8A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal with (×1) 5/16"-18 × 1.00"
	Mounting Bolt Bracket
Connector:	Deutsch DT06-2S-E003
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP67 & IP69K
Weight:	460 grams
Pack Qty:	Single

EFFECTIVE LUMENS ISOLUX CHART

Illuminance
10+ Lux
1 Lux
0.25 Lux

Flood Beam (2.5m high at -15˚)

45m
23m
0m
23m
45m

50m   100m

7.70"
195.6mm

1.78"
45.2mm

2.19"
55.6mm

3.42"
86.8mm
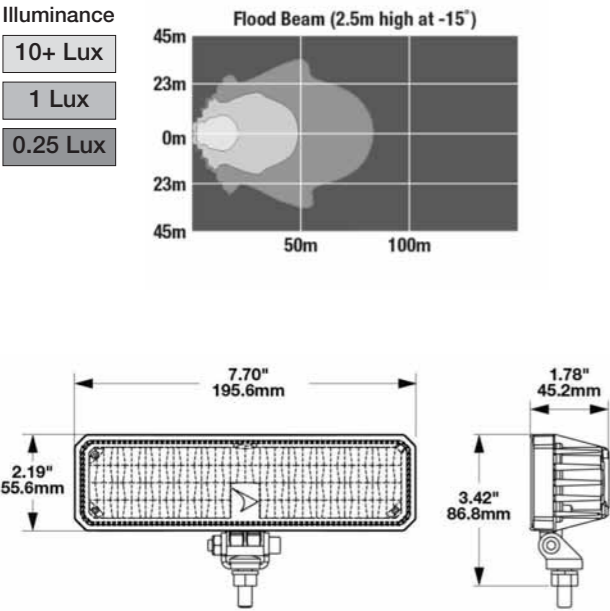
MODEL 526

6" × 6" SQUARE WORKLIGHTS - 24V ONLY

White 5700K Colour

PART NO:	BEAM:
1300581	Flood
1300591	Trap
1300601	Anti-Glare

Dual White 3500K / 5700K Colour

PART NO:	BEAM:
1300641	Anti-Glare

PRODUCT SPECIFICATIONS

Colour Temp:	White 5700K
Lumen Output:	Raw: 9,000
	Effective: 5,800
Input Voltage:	24V DC
Current Draw:	5.00A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal with (×1) M10-1.5 x 25 Mounting Bolt
Connector:	iCONN Connector - iMATE23
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP69K
Weight:	2.09kg
Pack Qty:	Single
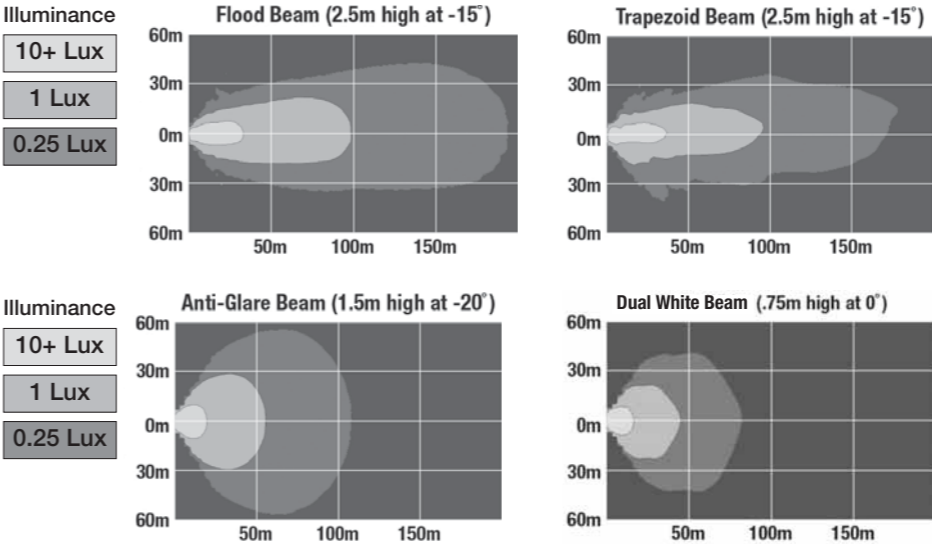
PRODUCT SPECIFICATIONS - 1300641

Colour Temp:	Dual White 3500K / 5700K
Lumen Output:	Raw: (Warm) 7,500 (Cool) 9,900
	Effective: (Warm) 3,390 (Cool) 3,464
Current Draw:	3.25A @ 24V DC
Wiring:	White Wire: Cool White (5700K)
	Black Wire: Negative
	Green Wire: Warm White (3500K)

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance
10+ Lux
1 Lux
0.25 Lux

Flood Beam (2.5m high at -15˚)

60m
30m
0m
30m
60m

50m   100m   150m

Trapezoid Beam (2.5m high at -15˚)

60m
30m
0m
30m
60m

50m   100m   150m

Illuminance
10+ Lux
1 Lux
0.25 Lux

Anti-Glare Beam (1.5m high at -20˚)

60m
30m
0m
30m
60m

50m   100m   150m

Dual White Beam (.75m high at 0˚)

60m
30m
0m
30m
60m

50m   100m   150m

5.50"
140.0mm

6.30"
160.5mm

3.80"
96.9mm

12.60"
318.9mm

6.20"
158.0mm

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MODEL 523

9" × 8" RECTANGLE WORKLIGHTS

PART NO:	BEAM:
0551431	Medium Flood
0551441	Narrow Flood
0551451	Wide Flood

PRODUCT SPECIFICATIONS

Colour Temp:	White 5000K
Lumen Output:	Raw: 8,100
	Effective: 3,900
Input Voltage:	12V - 24V DC
Current Draw:	6.70A @ 12V DC
	3.70A @ 24V DC
Lens Material:	Glass
Body Material:	Aluminium
Mounting:	Pedestal with (×1) 1/2"-Mounting Bolt
Connector:	Integrated 2-Pin Deutsch Socket (DT04-2P)
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP67
Weight:	3.05kg
Pack Qty:	Single

9.99"
253.8mm

6.99"
177.6mm

3.50"
88.9mm

1.75"
44.5mm
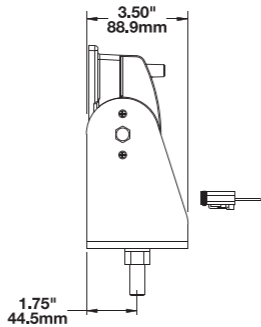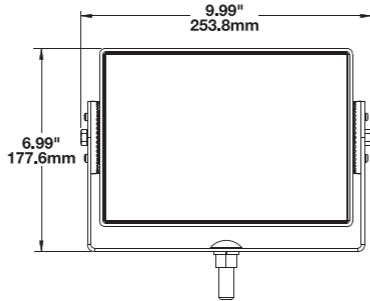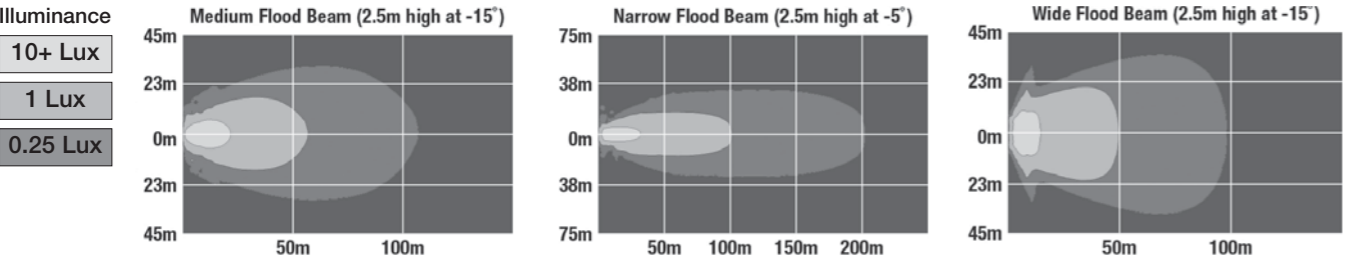
MODEL 623

20" × 9" RECTANGLE WORKLIGHTS

PRODUCT SPECIFICATIONS

Colour Temp:	White 5700K
Lumen Output:	Raw: 40,000
	Effective: 20,000
Input Voltage:	16V - 60V DC
Current Draw:	10.00A @ 24V DC
	5.00A @ 48V DC
Lens Material:	Glass
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount
Connector:	Wire Harness: SJ000W 6m Harness
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP69K
Weight:	8.16kg
Pack Qty:	Single

PART NO:	BEAM:
0546671	Narrow Flood
0546681	Medium Flood
0546691	Wide Flood

19.63"
498.5mm

8.52"
216.5mm

7.22"
183.4mm

Wire length 6 metres

3.50"
88.9mm

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

| 10+ Lux |
| 1 Lux |
| 0.25 Lux |

Medium Flood Beam (2.5m high at -15°)

45m / 23m / 0m / 23m / 45m
50m   100m

Narrow Flood Beam (2.5m high at -5°)

75m / 38m / 0m / 38m / 75m
50m   100m   150m   200m

Wide Flood Beam (2.5m high at -15°)

45m / 23m / 0m / 23m / 45m
50m   100m

EFFECTIVE LUMENS ISOLUX CHARTS

Illuminance

| 10+ Lux |
| 1 Lux |
| 0.25 Lux |

Narrow Flood Beam (2.5m high at -15°)

240m / 120m / 0m / 120m / 240m
200m   400m   600m

Medium Flood Beam (2.5m high at -15°)

150m / 75m / 0m / 75m / 150m
125m   250m   375m

Wide Flood Beam (2.5m high at -15°)

150m / 75m / 0m / 75m / 150m
125m   250m   375m

lighting technology   lighting technology

MODEL 146

65mm AMBER WARNING LIGHT

PART NO:
0646321

PRODUCT SPECIFICATIONS

Colour Temp:	Amber
Input Voltage:	12V - 48V DC
Current Draw:	0.100A @ 12V DC
	0.050A @ 24V DC
	0.035A @ 36V DC
	0.030A @ 48V DC
Lens Material:	Polycarbonate
Body Material:	Polycarbonate
Mounting:	Low Profile - Two Point Mount
Connector:	6" Leads
Wiring:	Red Wire: Positive
	Black Wire: Negative
Modes:	1: Warning Flashing
Standards:	Sealed to IP67
Weight:	110 grams
Pack Qty:	Single

Emergency

J.W. Speaker is a worldwide supplier of quality emergency lighting to heavy duty markets such as mine sites, transport, agricultural and emergency services. The company is a world leader in achieving record levels of light output from LED technology and manufacturing light housings that protect the technology in the adverse conditions they operate under.

As specialists in heavy duty emergency lighting, J.W. Speaker has a comprehensive range of LED strobes, work lights and scene lights to suit every application.

J.W. Speaker emergency lighting are specifically designed to meet the stringent regulations in light output, sealing, EMI, vibration and construction. As with all J.W. Speaker products, the emergency range is designed and manufactured in the USA ensuring complete control over the on going quality management and engineering development.
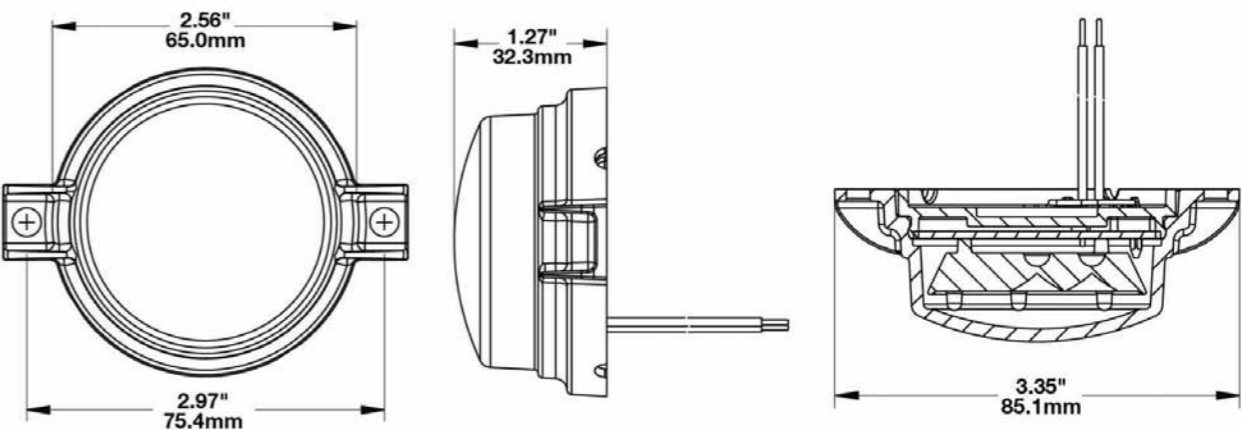
MODEL 406

5" ROUND STROBE LIGHTS - CLASS 2

PART NO:	COLOUR:
0646501	Amber
0646541	Red

PRODUCT SPECIFICATIONS

Colour Temp:	Amber & Red
Candela Output:	280
Input Voltage:	12V - 80V DC
Current Draw:	0.345A @ 12V DC
	0.225A @ 24V DC
	0.163A @ 36V DC
	0.131A @ 48V DC
	0.100A @ 72V DC
Lens Material:	Polycarbonate
Body Material:	Polycarbonate
Mounting:	Four Point Mount with (×4) #8-16 × 3/4 Screw or Pole Mount **(8200213)**
Connector:	12" Leads
Wiring:	Red Wire: Positive
	Black Wire: Negative
	Yellow Wire: Mode Change
Modes:	1: Beacon
	2: Quadruple 480
	3: Fast 540
	4: Double 240
	5: Burst 300
	6: Steady Flash 60
Standards:	Sealed to IP69K
	SAEJ845
	ECE Reg 10
Weight:	590 grams
Pack Qty:	Single

3.80"
96.5mm

12.28"
312mm

4.83"
122.8mm

2.19"
55.7mm

2.19"
55.7mm

4.38"
111.3mm

0.21"
5.3mm
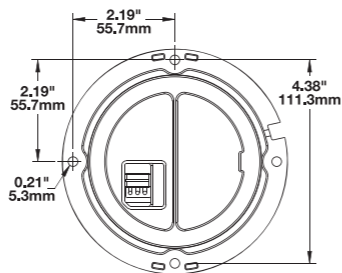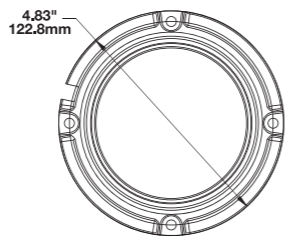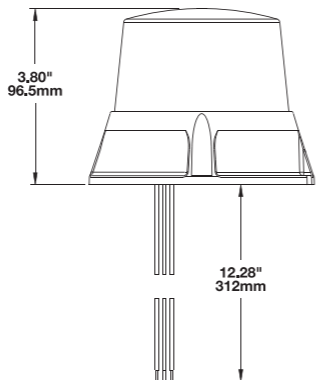
406 & 407
Pole Mount Accessory

MODEL 407

5" ROUND STROBE LIGHTS - CLASS 1

PART NO:	COLOUR:
0646491	Amber
0646551	Blue
0646561	Red
0646571	Green

PRODUCT SPECIFICATIONS

Colour Temp:	Amber, Blue, Red & Green
Candela Output:	560
Input Voltage:	12V - 80V DC
Current Draw:	0.915A @ 12V DC
	0.500A @ 24V DC
	0.340A @ 36V DC
	0.265A @ 48V DC
	0.190A @ 72V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Four Point Mount with (×4) #8-16 × 3/4 Screw or Pole Mount **(8200213)**
Connector:	12" Leads
Wiring:	Red Wire: Positive
	Black Wire: Negative
	Yellow Wire: Mode Change
Modes:	1: Beacon
	2: Quadruple 480
	3: Fast 540
	4: Double 240
	5: Burst 300
	6: Steady Flash 60
Standards:	Sealed to IP69K
	SAEJ845
	ECE Reg 10 & 65
Weight:	880 grams
Pack Qty:	Single

3.80"
96.5mm

12.28"
312mm

4.83"
122.8mm

2.19"
55.7mm

2.19"
55.7mm

4.38"
111.3mm

0.21"
5.3mm

406 & 407
Pole Mount Accessory

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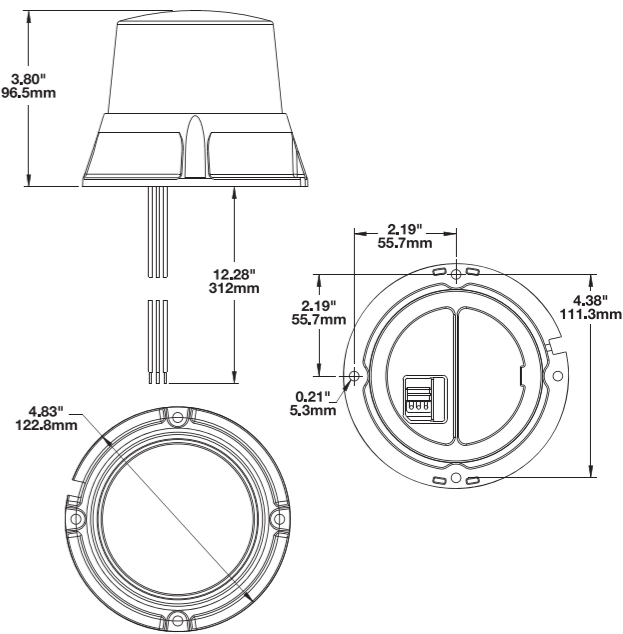
MODEL 210

147mm × 136mm
SOLAR FLASHER & WARNING LIGHTS

SOLAR POWERED

PART NO:	COLOUR:
0647031	Amber
0647041	Red

PRODUCT SPECIFICATIONS

Colour Temp:	Amber or Red
Candela Output:	11
Battery Run:	120 hours
Battery Charge:	6 hours
Lens Material:	Acrylic
Body Material:	Polycarbonate
Standards:	Sealed to IP69K
Weight:	180 grams
Pack Qty:	Single

4.72"
120.0 mm

5.35"
136.0 mm

Ø 0.35"
2X Ø 9.0 mm

Perpendicular Light Beam

1.22"
21.0 mm

5.79"
147.1 mm
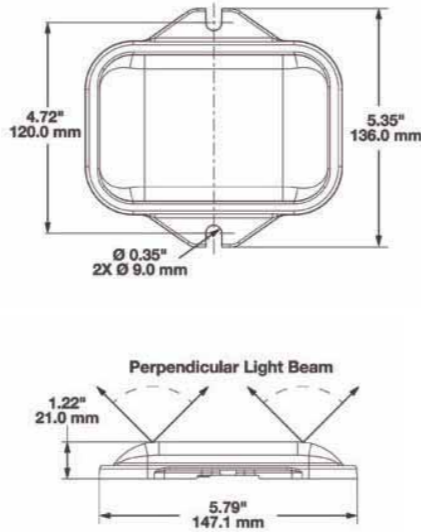
CLICK BOND

210 Mounting Options

Part No.	Description	Pack Qty
8200491	210 Clickbond Mounting Kit M8-15mm	Single

MODEL 6048

5" × 2" AUXILIARY WARNING LIGHT

4 COLOUR - RED | BLUE | AMBER | GREEN

PART NO:
0647101

PRODUCT SPECIFICATIONS

Colour Temp:	Red, Blue, Amber & Green
Input Voltage:	12V - 24V DC
Current Draw:	0.60A @ 12V DC
	0.30A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount
Connector:	3" Cable with Integrated Connector
Wiring / Modes:	Black Wire: Negative / Ground
	Red Wire: Red Mode
	Blue Wire: Blue Mode
	Yellow Wire: Amber Mode
	Green Wire: Green Mode
	White Wire: Blue Mode
Standards:	Sealed to IP69K
Weight:	270 grams
Pack Qty:	Single

5.44"
138.1mm

2.49"
63.2mm

5.0±0.25"
127.0±6.4mm

1.78"
45.1mm

MODEL 770

5" × 3" OVAL SAFETY ZONE LIGHTS

Sharp Spot Beam Pattern

PART NO:	COLOUR:
1706441	**Red**
1706311	**Blue**

PRODUCT SPECIFICATIONS

Colour Temp:	Red or Blue
Input Voltage:	12V - 110V
Maximum Current Draw:	**1706441 - Red** **1706311 - Blue** 0.19A @ 12V DC 0.50A @ 12V DC
Lens Material:	Polycarbonate
Body Material:	Polycarbonate
Mounting:	Universal Pedestal Mount (×1) M10-1.5 × 25mm Bolt
Connector:	Integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP69K SAEJ1455 Tested to ECE Reg 10 (Radiated Emissions Only)
Weight:	590 grams
Pack Qty:	Single

3.46"
87.9mm

3.85"
97.8mm

12.05"
306.1mm

5.40"
137.1mm

0.82"
20.8mm

5.68"
144.2mm

Zone Lighting

J.W. Speaker have taken Warning and Emergency lighting to a whole new level with the design and development of the Zone Warning Lamp ranges. These unique products create a clearly defined no go zone in red light or blue around a vehicle or machinery. At the flick of a switch, a Red Zone Warning Lamp instantly illuminates an entire area in powerful red light to clearly indicate the exclusion or warning zone. For larger areas, multiple units can be combined to create one large beam pattern making the product extremely versatile for any application.

J.W. Speaker understand the requirements of the heavy duty market, so have designed their Zone Warning Lamps bright enough to be visible in daylight making it ideal for use 24 hours a day. It's extremely important that vehicles and machinery have clearly marked no go zones even during the day, something no other product has been able to achieve.
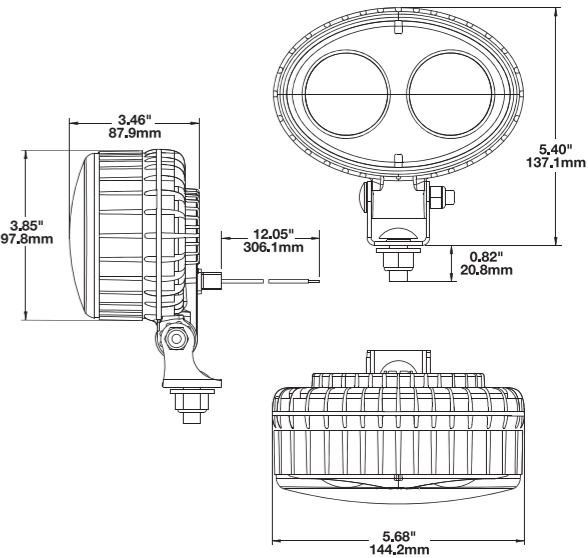
J.W. SPEAKER®
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MODEL 4415
3½" ROUND SAFETY ZONE LIGHTS

Sharp Spot Beam Pattern

PART NO:	COLOUR:
0552981	Red
0552991	Blue

PRODUCT SPECIFICATIONS

Colour Temp:	Red or Blue
Candela Output:	9,920
Input Voltage:	12V - 110V DC
Current Draw:	1.910A @ 12V DC
	0.810A @ 24V DC
	0.405A @ 48V DC
	0.180A @ 110V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Pedestal w/ swivel bracket
	(×1) M8-20 × 1.25 Mounting Bolt Black ZP
Connector:	Packard# 12084167
Wiring:	Red Wire: Positive
	Black Wire: Negative
Standards:	Sealed to IP67
Weight:	410 grams
Pack Qty:	Single

MOUNTING HEIGHT & BEAM PERFORMANCE

Mount Height
1.2m

Mount Height
2.4m

Beam Dimensions:	ø 38cm	ø 70cm
Max Lux Red:	6740	1660
Max Lux Blue:	4040	1000

4.94"
125.6mm

4.33"
110mm

0.24"
6.1mm

11.88"
301.7mm

3.35"
85.2mm

2.67"
67.8mm

2.24"
56.9mm

3.35"
85.2mm
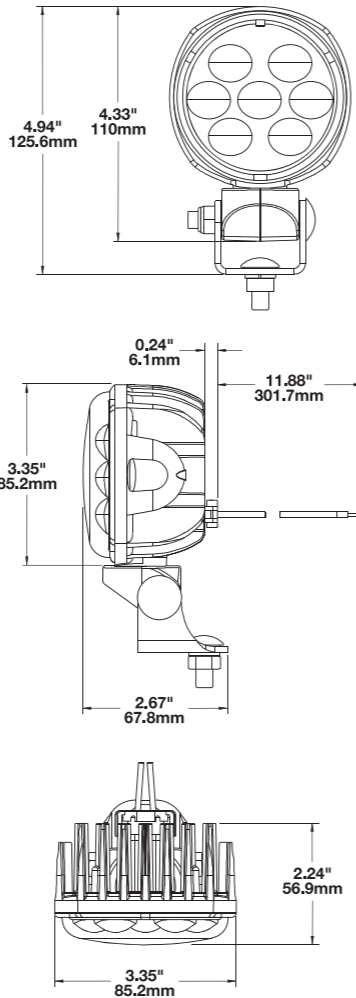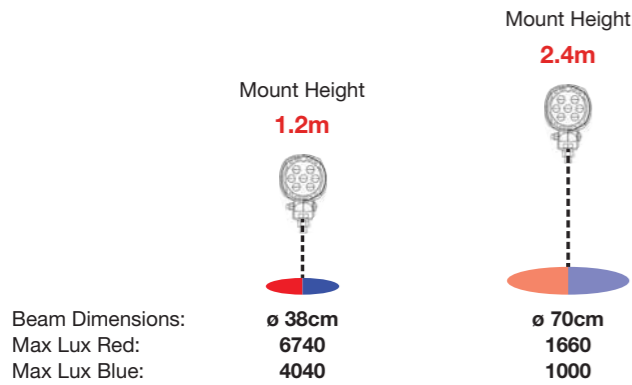
Additional application example: Agricultural boom spray light

MODEL 793

6" × 2" RECTANGLE SAFETY ZONE LIGHTS

12V - 36V

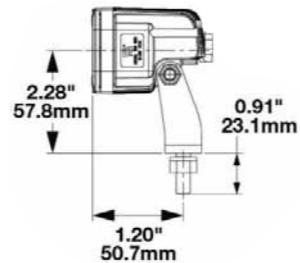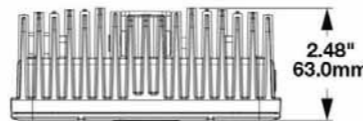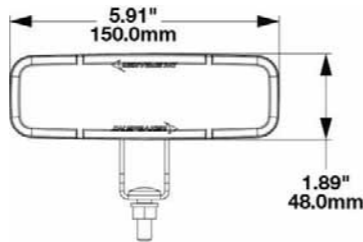| PART NO:	COLOUR:
1603761	Red
1603771	Blue
1603781	Amber

48V - 110V

PART NO:	COLOUR:
1603871	Red
1603881	Blue
1603891	Amber

PRODUCT SPECIFICATIONS

Colour Temp:	Red or Blue
Lumen Output:	Raw: 496 Effective: 110
Input Voltage:	12V - 36V or 48V - 110V
Maximum Current Draw:	**12V - 36V** **48V - 110V** 1.6A @ 12V DC 0.35A @ 48V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Long Pedestal Bracket (×2) 5/16-18 × 1.00" Mounting Bolt
Connector:	Deutsch DT04-2P & Deutsch DT06-2S (Harness included with flying leads)
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP69K, UL Recognised & Tested to ECE Reg. 10 (Radiated Emissions Only)
Weight:	390 grams
Pack Qty:	Single

5.91"
150.0mm

1.89"
48.0mm

2.48"
63.0mm

2.28"
57.8mm

0.91"
23.1mm

1.20"
50.7mm

MOUNTING HEIGHT & BEAM PERFORMANCE

Mount Height
4.8m

Mount Height
2.4m

Mount Height
1.2m

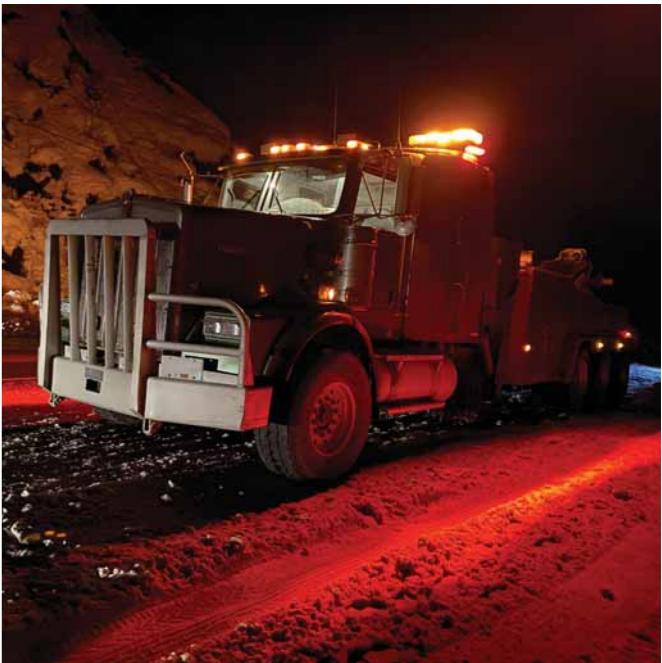| Beam Dimensions:	3m x 13cm	6m x 26cm	12m x 52cm
Max Lux Red & Amber:	1120	490	110
Max Lux Blue:	518	226	50

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MODEL 529

19" × 2½" RECTANGLE SAFETY ZONE LIGHTS

PRODUCT SPECIFICATIONS

Colour Temp:	Red, Blue or Green
Lumen Output:	Raw: 3,350
	Effective: 886
Candela Output:	8,530
Input Voltage:	12V - 24V DC
Maximum Current Draw:	**Red** 3.7A @ 12V DC **Blue** 3.9A @ 12V DC
	Green 3.3A @ 12V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Universal Pedestal Mount (×1) M8-1.25 × 25mm SS Carriage Bolt
Connector:	3-pin Deutsch (DT04-3P)
Wiring:	Yellow Wire: Continuous On
	White Wire: Flash On (connected to Ground)
	Black Wire: Ground
Standards:	Sealed to IP69K
Weight:	1.29kg
Pack Qty:	Single

PART NO:	COLOUR:
1300561	**Red**
1300651	**Blue**
1300681	**Green**

2.34"
59.5mm

18.64"
473.5mm

0.13"
3.43mm

18.95"
481.4mm

3.64"
95.2mm

MOUNTING HEIGHT & BEAM PERFORMANCE

Mount Height
4.8m

Mount Height
2.4m

Mount Height
1.2m

Beam Dimensions: Max Lux:	3.5m x 10cm 6400	6.85m x 23cm 1590	13.9m x 46cm 400
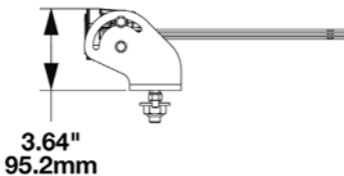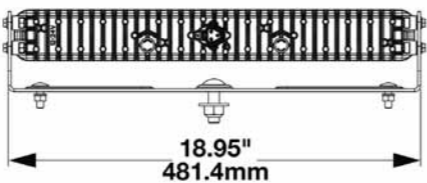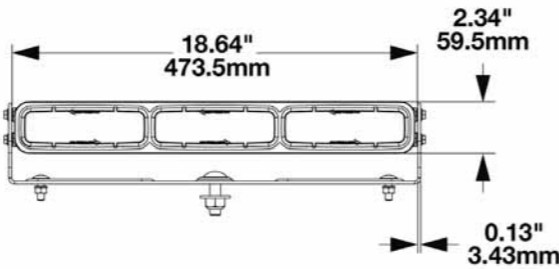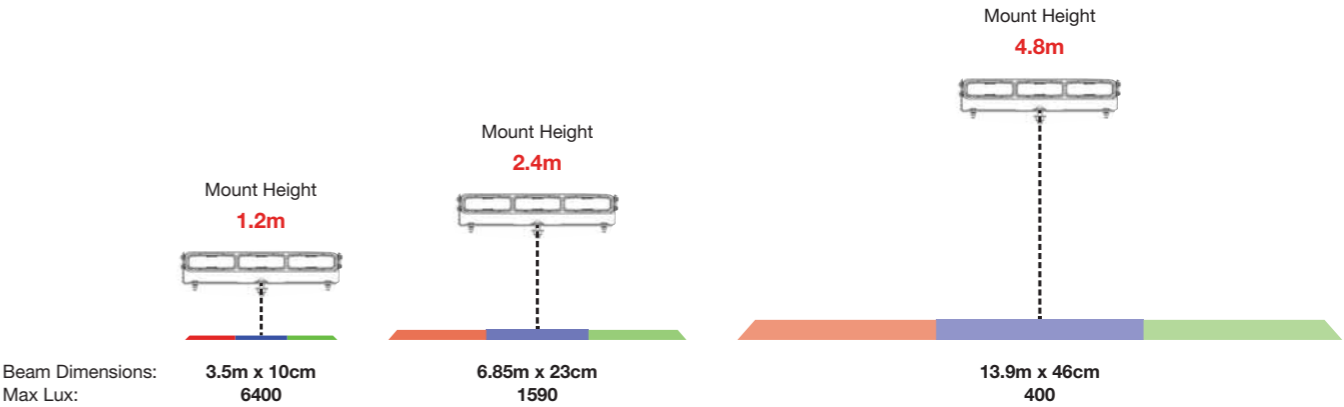
MODEL 527

10" × 5" RECTANGLE SAFETY ZONE LIGHTS

PART NO:	COLOUR:
0549271	Red
0551271	Green
0551281	Amber
0551261	White

PRODUCT SPECIFICATIONS

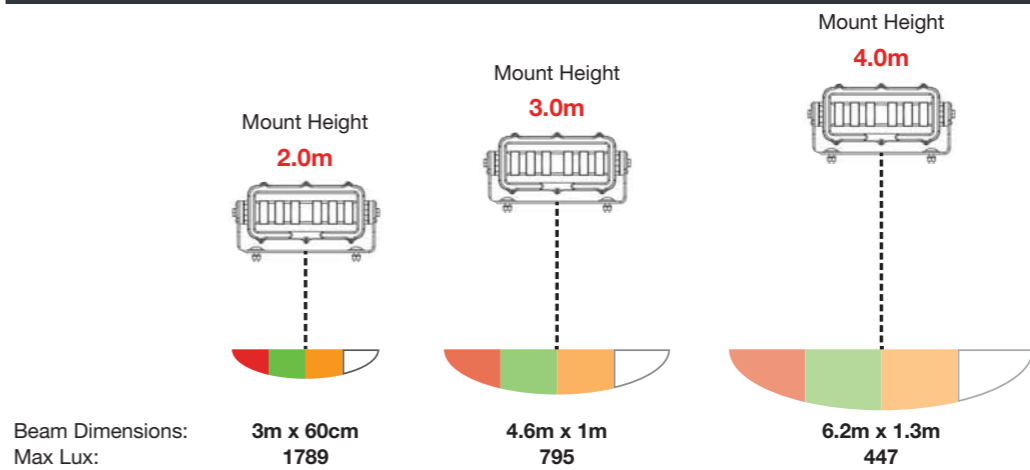|	
Colour Temp:	Red, Green, Amber or White
Lumen Output:	**Red** Raw: 720 Effective: 670 **Green** Raw: 1,500 Effective: 590 **Amber** Raw: 960 Effective: 400 **White** Raw: 1,500 Effective: 640
Input Voltage:	12V - 24V DC
Maximum Current Draw:	**Red** 1.6A @ 12V DC **Green, Amber & White** 1.2A @ 12V DC
Lens Material:	Glass
Body Material:	Xenoy
Mounting:	Universal Pedestal Mount (×2) M8-1.25 Mounting Bolt
Connector:	Integrated 2-Pin Deutsch Weather-Proof Socket (DT04-2P)
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP69K
Weight:	1.18kg
Pack Qty:	Single

527 Product Accessories - (Page 85)

Part No.	Description	Pack Qty
8200151	527 - Protective Rock Guard Kit	Single

Dimensional drawings:
4.02" / 102.3mm
4.87" / 128.8mm
4.87" / 128.8mm
6.93" / 176.0mm
1.97" / 50.0mm
10.18" / 258.5mm

MOUNTING HEIGHT & BEAM PERFORMANCE

Mount Height **2.0m**

Mount Height **3.0m**

Mount Height **4.0m**

Beam Dimensions:	3m x 60cm	4.6m x 1m	6.2m x 1.3m
Max Lux:	1789	795	447
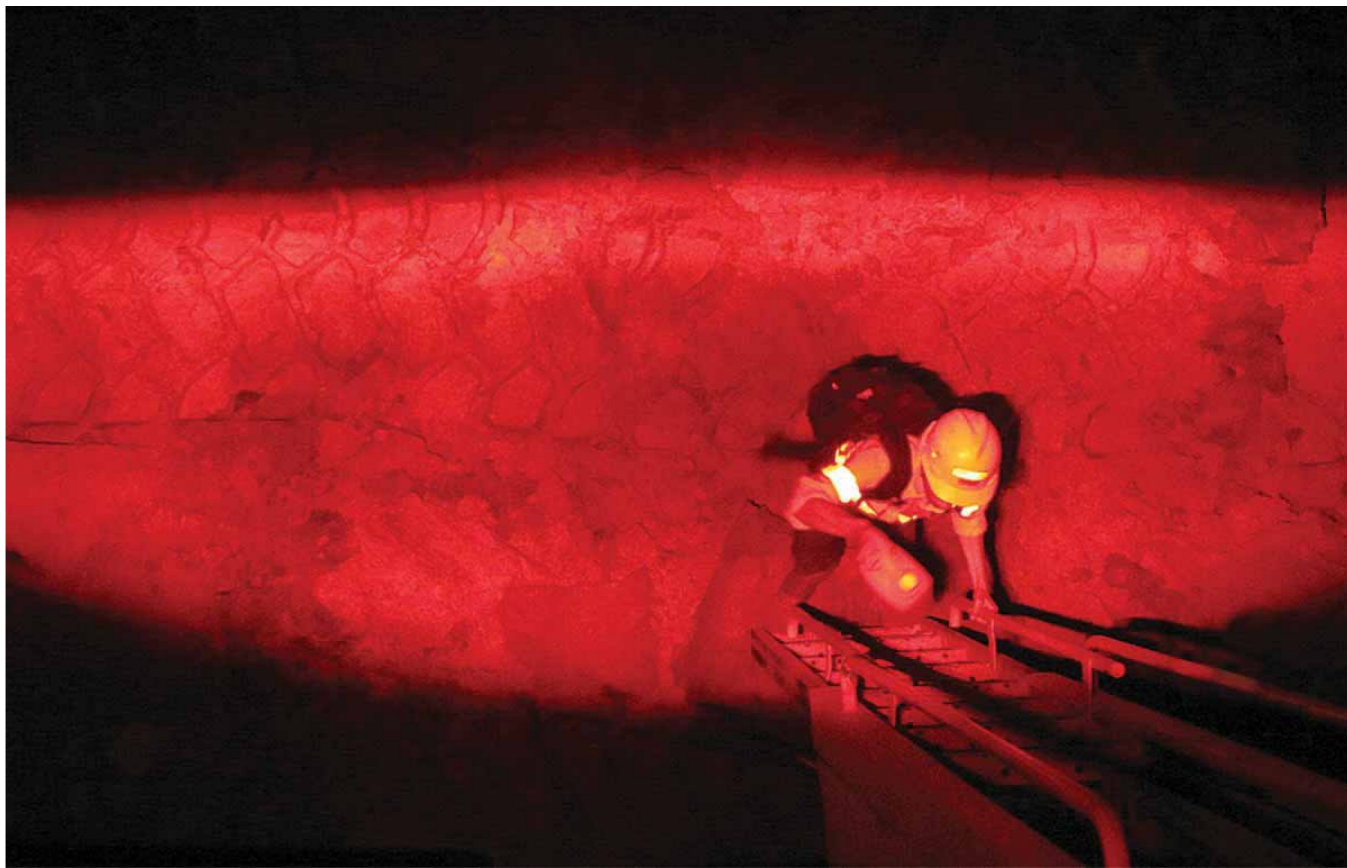
MODEL 777 GEN 2

4" ROUND SAFETY ZONE LIGHTS

Arc Beam Pattern

PART NO:	COLOUR:
1403601	**Red**
1403611	**Blue**

PRODUCT SPECIFICATIONS

Colour Temp:	Red or Blue
Candela Output:	3,200
Input Voltage:	12V - 72V DC
Maximum Current Draw:	**Red** 1.08A @ 12V DC **Blue** 1.09A @ 12V DC
Lens Material:	Polycarbonate
Body Material:	Die-Cast Aluminium
Mounting:	Universal Pedestal Mount M10-30mm M10 Stainless Steel Bolt
Connector:	19.5" Bare Leads (tinned)
Wiring:	Red Wire: Positive Black Wire: Negative
Standards:	Sealed to IP67 & IP69K ECE Reg 10 (Radiated Emissions Only) CISPR 22
Weight:	680 grams
Pack Qty:	Single

3.02" 76.6mm

19.69 ± 1.18" 500.0 ± 30.0mm

5.00" 127.1mm

1.04" 26.5mm

2.20" 56.0mm

MOUNTING HEIGHT & BEAM PERFORMANCE

Mount Height **4.0m**

Mount Height **3.0m**

Mount Height **2.0m**

Beam Radius:	ø 1.35m	ø 2.02m	ø 2.70m
Beam Thickness:	10cm	16cm	21cm
Max Lux:	800	350	200

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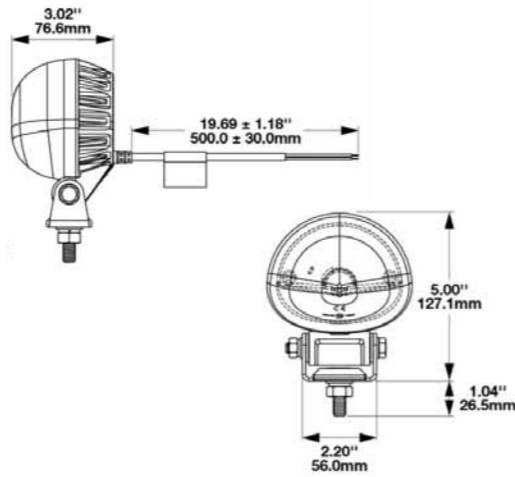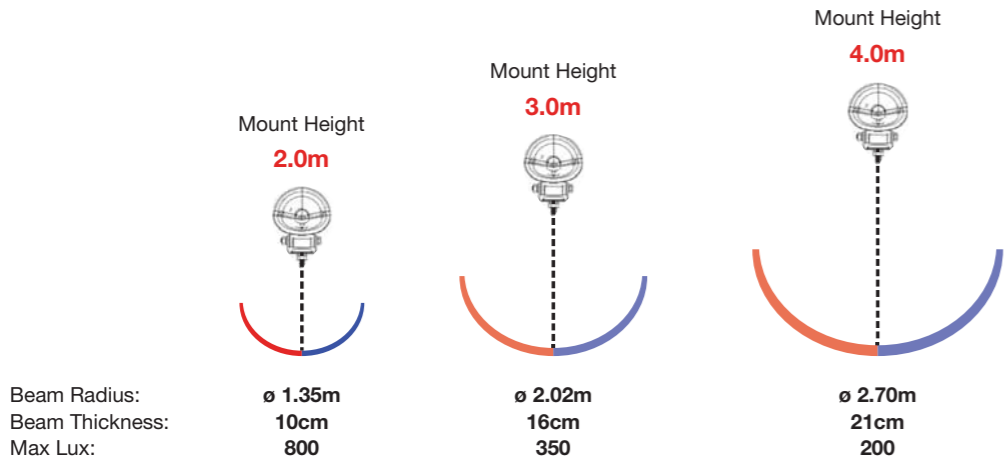
MODEL 560

6" × 4½" RECTANGLE SAFETY ZONE LIGHT

Universal Warning Beam Pattern

PART NO:	COLOUR:
1300661	**Red**
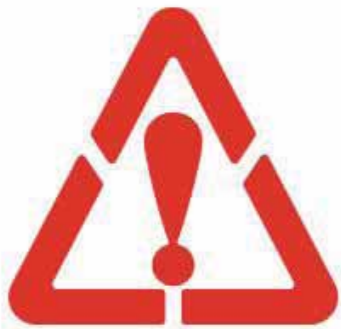
PRODUCT SPECIFICATIONS

Colour Temp:	Red
Input Voltage:	12V - 72V DC
Maximum Current Draw:	3.6A @ 12V DC (Steady On Mode)
Lens Material:	Acrylic
Body Material:	Aluminium
Mounting:	Adjustable Pedestal Mount with Single Carriage Bolt
Connector:	PE 12110293
Wiring:	Red Wire: Positive White Wire: Negative Black Wire: Mode Selection
Standards:	Sealed to IP69K
Weight:	670 grams
Pack Qty:	Single

4.68"
118.9mm

5.38"
136.6mm

6.06"
153.9mm
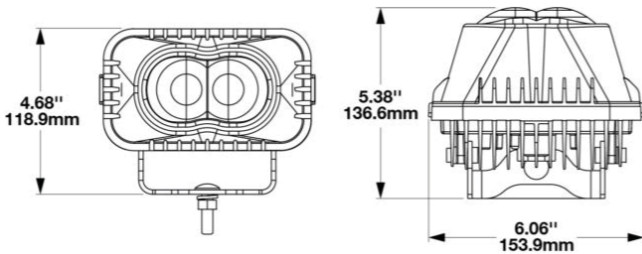
Mode Selection:

Select desired mode by touching the **BLACK** wire to **RED** wire for 1-2 seconds. The light's mode will switch to next state per the below table. Once the desired state is set, the **BLACK** wire can be removed or capped off. The lamp will remain in selected mode.

Modes:

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

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Signalling

The J.W. Speaker LED signalling lighting range is ideal of vehicles like trucks, mining vehicles and 4WDs that experience harsh conditions and long hours of use. Being the world's most innovative manufacturer of heavy duty LED lighting products, Speakers engineer's have custom designed this series of rear lighting to incorporate new technologies, making it the most advanced range on the market.

The J.W. Speaker commitment to advanced, solid-state lighting technology has enabled the range to meet the requirements of Australia's transport and mining industries.
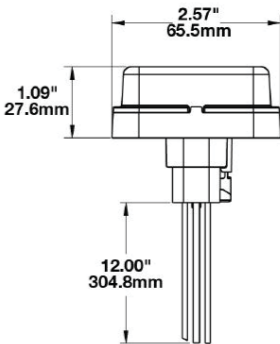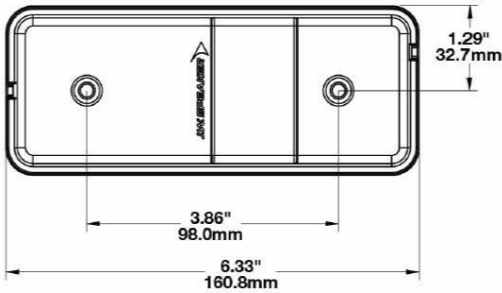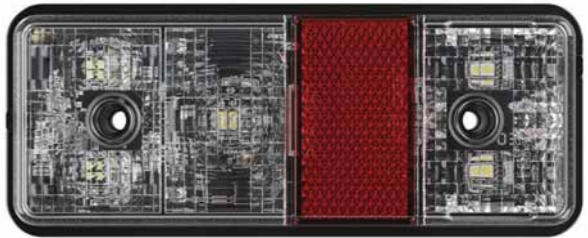
MODEL 220
6.3" × 2.6" MULTI-FUNCTION SIGNAL LIGHT

Stop | Tail | Turn | Reverse

ADR APPROVED

PART NO:
0338101

PRODUCT SPECIFICATIONS

Input Voltage:	12V - 24V DC
Current Draw:	0.16A @ 12V DC (Stop)
	0.10A @ 24V DC (Stop)
	0.02A @ 12V DC (Tail)
	0.01A @ 24V DC (Tail)
	1.42A @ 12V DC (Turn)
	0.71A @ 24V DC (Turn)
	0.14A @ 12V DC (Reverse)
	0.07A @ 24V DC (Reverse)
Lens Material:	Polycarbonate
Body Material:	Polycarbonate
Mounting:	Low Profile Panel Mount
Connector:	Integral (DT04-6P)
	Mating (DT06-6S)
Wiring:	White Wire: Reverse
	Yellow Wire: Turn
	Black Wire: Ground
	Red Wire: Stop
	Brown Wire: Tail
Standards:	Sealed to IP67
	ECE Reg 3, 6, 7 & 23
Weight:	180 grams
Pack Qty:	Single

2.57"
65.5mm

1.09"
27.6mm

12.00"
304.8mm

1.29"
32.7mm

3.86"
98.0mm

6.33"
160.8mm

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MODEL 223

5" × 5" MULTI-FUNCTION SIGNAL LIGHTS

ADR APPROVED

Park & Turn

PART NO:	COLOUR:
0341711	White / Amber

Stop, Tail & Turn

PART NO:	COLOUR:
0341701	Red / Amber

PRODUCT SPECIFICATIONS

Input Voltage:	12V - 24V DC
Maximum Current Draw:	**0341711** - 2.25A @ 12V DC (Turn) **0341701** - 0.25A @ 12V DC
Lens Material:	Acrylic
Body Material:	ABS
Mounting:	Low Profile Mount (×2) M6-1 × 25 Mounting Bolts
Connector:	Integrated 4-Pin Deutsch Socket (DT04-4P) 4-Pin Deutsch Plug (DT06-4S)
Wiring:	**0341711** White Wire: Positive Yellow Wire: Turn Black Wire: Ground **0341701** White Wire: Tail Yellow Wire: Turn Red Wire: Stop Black Wire: Ground
Standards:	Sealed to IP67 **0341711 -** ECE Reg 6 & 7 **0341701 -** ECE Reg 3, 6 & 7
Weight:	210 grams
Pack Qty:	Single

5.00"
127.0mm

3.10"
78.7mm

3.10"
78.7mm

5.00"
127.0mm

0.96"
24.4mm

0.81"
20.6mm

4.70"
119.5mm

11.45"±0.50"
290.8mm±12.7mm

45mm

M6 THREAD (2X)

20.6mm

MODEL 224

5" × 5" SIGNAL LIGHTS

ADR APPROVED
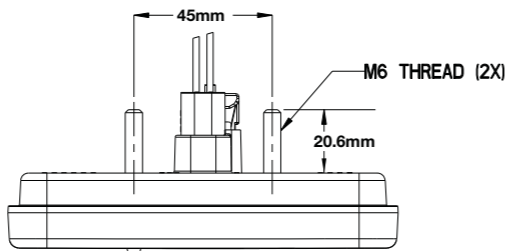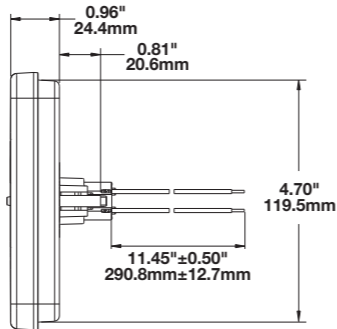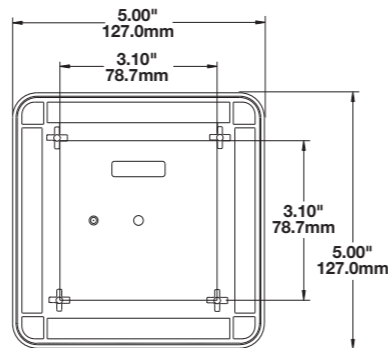
Reverse

PART NO:	COLOUR:
0442611	White

Stop & Tail

PART NO:	COLOUR:
0342301	Red

Turn

PART NO:	COLOUR:
0342291	Amber

PRODUCT SPECIFICATIONS

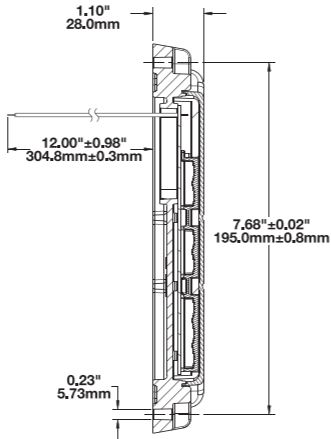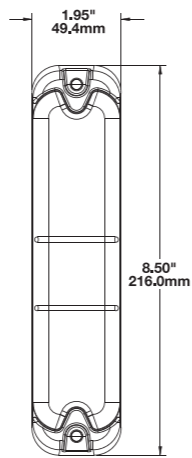|	
Input Voltage:	12V - 24V DC
Maximum Current Draw:	**0442611** 0.145A @ 12V DC **0342301** 0.190A @ 12V DC (Stop) **0342291** 2.200A @ 12V DC
Lens Material:	Acrylic
Body Material:	ABS
Mounting:	Low Profile Mount (×2) M6-1 × 25 Mounting Bolts
Connector:	Integrated 4-Pin Deutsch Socket (DT04-4P) 4-Pin Deutsch Plug (DT06-4S)
Wiring:	**0442611** White Wire: Backup Black Wire: Ground **0342301** White Wire: Tail Red Wire: Stop Black Wire: Ground **0342291** Yellow Wire: Turn Black Wire: Ground
Standards:	Sealed to IP67 **0442611 -** ECE Reg 23 **0342291 -** ECE Reg 6 SAEJ593 FMVSS 108 Table XII
Weight:	210 grams
Pack Qty:	Single

5.00"
127.0mm

3.10"
78.7mm

3.10"
78.7mm

5.00"
127.0mm

0.96"
24.4mm

0.81"
20.6mm

4.70"
119.5mm

11.45"±0.50"
290.8mm±12.7mm

45mm

M6 THREAD (2X)

20.6mm
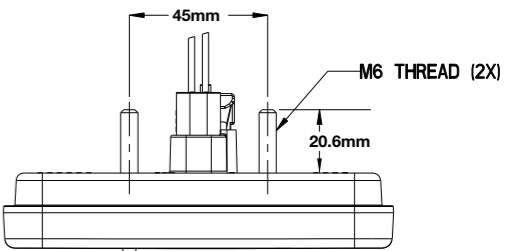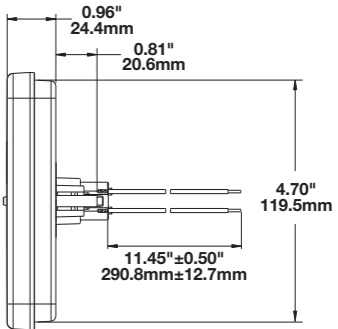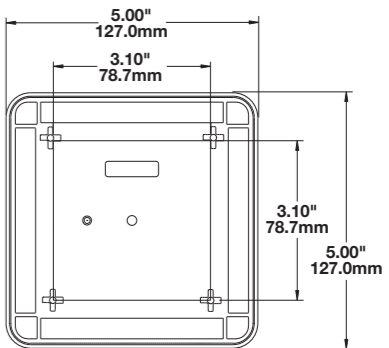
MODEL 281

9" × 2" MULTI-FUNCTION SIGNAL LIGHTS

Stop | Tail | Turn | Reverse

ADR APPROVED

PART NO:	VOLTAGE:
0338061	12V
0338091	24V - 36V
0339011	48V

PRODUCT SPECIFICATIONS

Input Voltage:	12V, 24 - 36V & 48V DC
Maximum Current Draw:	0.40A across all products
Lens Material:	Polycarbonate
Body Material:	ABS
Mounting:	Low Profile Mount
Connector:	12" Bare Leads
Wiring:	White Wire: Reverse
	Yellow Wire: Turn
	Red Wire: Stop
	White/Red Wire: Tail
	Black Wire: Ground
Standards:	Sealed to IP67
Weight:	290 grams
Pack Qty:	Single

1.95"
49.4mm

8.50"
216.0mm

1.10"
28.0mm

12.00"±0.98"
304.8mm±0.3mm

7.68"±0.02"
195.0mm±0.8mm

0.23"
5.73mm

MODEL 283

9" × 2" MULTI-FUNCTION SIGNAL LIGHT

Stop | Tail | Turn

ADR APPROVED

PART NO:	VOLTAGE:
0339921	12V - 24V

PRODUCT SPECIFICATIONS

Input Voltage:	12V - 48V DC
Maximum Current Draw:	0.161A @ 12V DC (Turn)
Lens Material:	Polycarbonate
Body Material:	ABS
Mounting:	Low Profile Mount
Connector:	12" Bare Leads
Wiring:	Red Wire: Stop
	White Wire: Tail
	Green Wire: Turn
	Black Wire: Ground
Standards:	Sealed to IP67
	ECE Reg 6 & 7
Weight:	290 grams
Pack Qty:	Single

1.95"
49.4mm

8.50"
216.0mm

1.10"
28.0mm

12.00"±0.98"
304.8mm±0.3mm

7.68"±0.02"
195.0mm±0.8mm

0.23"
5.73mm
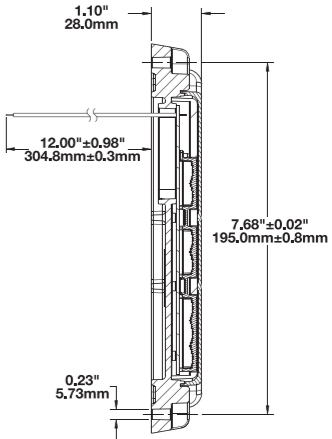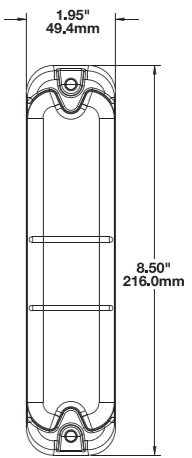
MODEL 265

11" × 4" MULTI-FUNCTION SIGNAL LIGHT

Stop | Tail | Turn | Reverse

PART NO:
0342421

ADR APPROVED

PRODUCT SPECIFICATIONS

Input Voltage:	12V -24V DC
Current Draw:	0.325A @ 12V DC (Stop)
	0.200A @ 24V DC (Stop)
	0.060A @ 12V DC (Tail)
	0.035A @ 24V DC (Tail)
	0.425A @ 12V DC (Turn)
	0.325A @ 24V DC (Turn)
	0.325A @ 12V DC (Reverse)
	0.350A @ 24V DC (Reverse)
Lens Material:	Acrylic
Body Material:	ABS
Mounting:	Low Profile Mount
	(×2) M6-1 × 25 Mounting Bolts
Connector:	6-Pin Deutsch Socket (DT04-6P-E004)
	6-Pin Deutsch Plug (DT06-6S)
Wiring:	White Wire: Reverse
	Yellow Wire: Turn
	Red Wire: Stop
	Brown Wire: Tail
	Black Wire: Ground
Standards:	Sealed to IP67
	ECE Reg 3, 6, 7 & 23
	SAEJ 575, 585, 586, 588, 593, 594, 2040 & 2261
	FMVSS 108 Table VII, VIII, IX, XII & XVI
Weight:	610 grams
Pack Qty:	Single

11.32"
287.5mm

0.81"
20.6mm

7.03"±0.25"
178.6mm±6.4mm

5.38"
136.7mm

1.33"
33.8mm
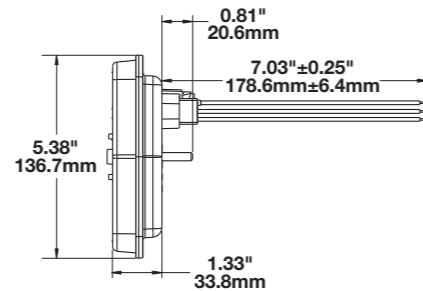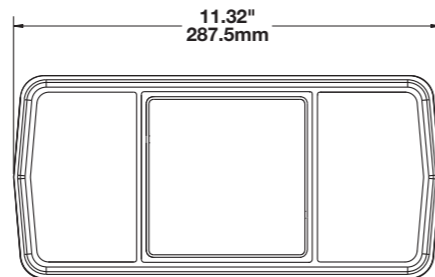
FOUNDED IN

1935
J.W. SPEAKER®

1935 – 2023

For the full extended range of LED lighting by J.W. Speaker, visit www.invisionsales.com

8700 EVO 2 Pro - 8710 Side Mount Bucket Assembly

Part No.	Description	Pack Qty
3157091	Side Mount Bucket Assembly	Single

8700 EVO 2 Pro - 8710 Panel Mount Bucket Assembly

Part No.	Description	Pack Qty
3156561	Panel Mount Bucket Assembly	Single

8800 EVO 2 - Dual Headlight Assembly

Part No.	Description	Pack Qty
3156600	Right Hand Dual Headlight Assembly	Single
3156680	Left Hand Dual Headlight Assembly	Single

6130 EVO Single Ring Kit

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

8700 EVO 2 Pro - 8710 Mounting Ring

Part No.	Description	Pack Qty
3156351	Mounting Ring Kit Assembly	Single

93 - Mounting Frame

Part No.	Description	Pack Qty
8001461	3-Point Mount for 1.5mm Mounting Frame	Single
8001471	3-Point Mount for 3mm Mounting Frame	Single

8630 & 8631 - EVO Ring Kits

Part No.	Description	Pack Qty
8200001	Single Ring Kit Mounting Assembly	Single
8200071	Mounting Ring suit Fire Truck	Single

8630 & 8631 - EVO Ring Kits

Part No.	Description	Pack Qty
3157751	Double Ring Kit Mounting Assembly	Single

93 - Pedestal Mount Bracket

Part No.	Description	Pack Qty
8001601	Single Lamp Pedestal Mount Bracket	Single

93 - Pedestal Mount Bracket

Part No.	Description	Pack Qty
8001621	Double Lamp Pedestal Mount Bracket	Single

527 - Protective Rock Guard Kit

Part No.	Description	Pack Qty
8200151	Protective Rock Guard Kit	Single

6404 / 6406 - Converter Boxes

Part No.	Input	Output	Wattage	Dimensions
0842291	100-240V	24V	35W	200 × 78 × 49mm
0842301	100-277V	24V	150W	281 × 106 × 58mm
0842311	100-277V	24V	240W	281 × 106 × 58mm

97 - Mounting Frame

Part No.	Description	Pack Qty
8001511	3-Point Mount for 3mm Mounting Frame	Single

97 - Pedestal Mount Kit

Part No.	Description	Pack Qty
8001521	Single Pedestal Mount Kit	Single

DC Output Harness - With DC Terminal Kit

Part No.	Description	Length
3269681	DC Output Harness	3 Meters

DC Output Harness - With ICONN Connector

Part No.	Description	Length
3269371	DC Output Harness	1 Meters
3269671	DC Output Harness	3 Meters

Notes

Notes

Notes

OPERATIONAL EXCELLENCE

J.W. SPEAKER CORPORATION

- Founded in 1935 by John W. Speaker
- Privately held, family owned
- 500 employees
- Operated by co-presidents Tim & Jamie Speaker
- Products made in the USA
- Specialize in advanced LED lighting solutions
- Serve OEM & Aftermarket customers

OPERATIONS & CAPABILITIES

- Head office in Germantown, Wisconsin, USA
- Two locations: Freistadt & Whitney, ~350k sq. ft.
- In-house SMT printed circuit board assembly
- Injection moulding & vacuum metallizing
- Wiring harness assembly
- Robotic assembly & transfer lines (Freistadt)
- Dedicated aftermarket facility (Whitney)
- In-house design, development & testing
- Optical engineering & 3D modelling; Virtual Reality Lab

For further details about the J.W. Speaker range contact Invision Sales.

Invision Sales are the Asia Pacific distributors for J.W. Speaker Corporation.

Edition 5. Release date February 2024