LED LIGHTING

PUBLIC TRANSPORTATION & COMMERCIAL VEHICLES

J.W. SPEAKER®

Engineered. Lighting. Solutions.

DRIVEN.
TO SEE MORE.

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

A LEGACY OF INNOVATION

OEM ORIGINS AND AFTERMARKET ADVANCEMENT

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

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

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

REGULATIONS

SURPASSING STANDARDS WORLDWIDE.

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

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

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

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

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

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

KEY TERMS

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

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

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

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

LUMENS & BEAM PATTERNS

RAW LUMENS:

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

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

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

Example Calculation:
LED is rated at 100 Lumens
8 LEDs in the finished light
100 x 8 = 800 Raw Lumens

EFFECTIVE LUMENS:

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

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

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

Example Measurement:
Raw Lumens = 800
Losses = ~40% of Raw Lumens (800 x .4 = 320)
800 – 320 = 480 Effective Lumens

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

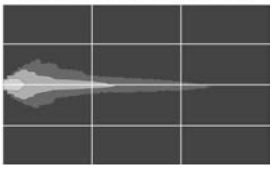
BEAM PATTERNS

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

Below are examples of the common beam patterns.

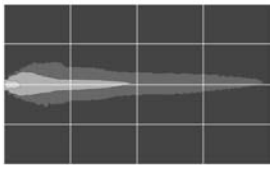
Our engineers design each product to project light in the areas you need it **and** comply with the legal requirements for on-road use in the countries the product is intended to be used in.

Low Beam RHT (.75m high at 0°)



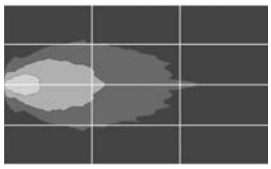
Illuminates across the road and ahead of the vehicle, with a cutoff to prevent glare for oncoming traffic

High Beam (.75m high at 0°)



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

Fog Beam (.5m high at 0°)



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

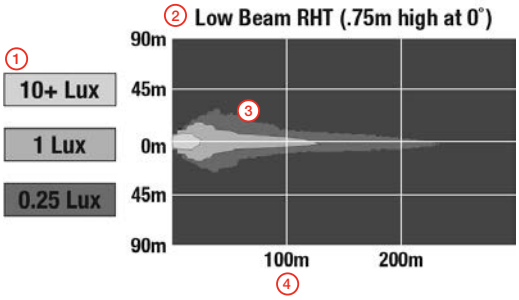
PARTS OF A LIGHT DIAGRAM

Lux Key[1]**:** Intensity of the light measured

Title[2]**:** The type of beam pattern, and the height and angle of the light when it was measured

Light Pattern[3]**:** A "bird's eye view" showing the shape, intensity, and distance

Distance Markers[4]**:** Reference in meters (m) for the size and distance of the light pattern



COLOR TEMPERATURE & IP RATINGS

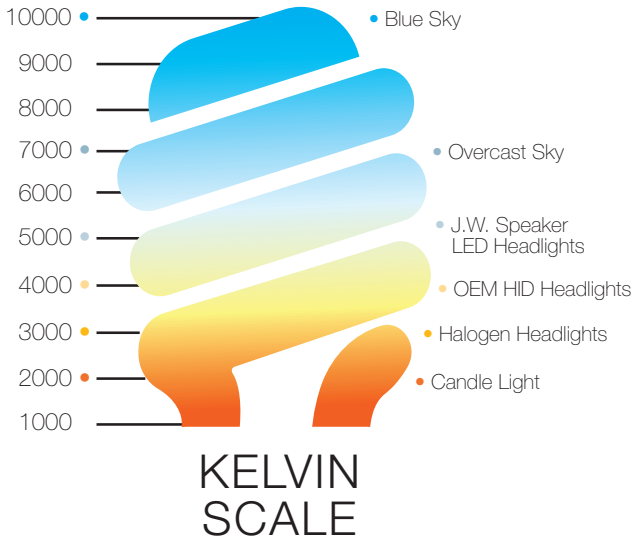
Measured in degrees Kelvin, color temperature describes how cool or warm the light emitted by a source is. Any object will emit light if it is heated to a high enough temperature. The color of the light will change in a predictable way as the temperature increases, shown on the Kelvin Scale.

Warm: 0 to 3,000K
Used in living spaces or retail stores
Similar to the rising and setting sun
Can fatigue eyes and make people feel tired

Neutral White: 3,500 to 4,900K
Used in bathrooms, offices, classrooms & malls
Clean and neutral lighting that is inviting
Promotes efficiency and similar to daylight

Cool: 5,000-7,000K
Used in hospitals, manufacturing, & construction areas
Promotes alertness and attention to detail
Mimics daylight and makes people feel more awake

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



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

IP RATINGS

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

FIRST # - DEGREE OF INGRESS PROTECTION

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

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

SECOND # - DEGREE OF MOISTURE PROTECTION

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

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

NEW MOSAIC

All New Mosaic Modular Lighting System

Custom designs without custom costs or timing! Avoid high optical tooling and homologation costs with the Mosaic Modular LED lighting system designed specifically for OEM and aftermarket customers seeking unique, high-quality, customized vehicle lighting. Ideal for buses, trucks, RVs, cars, motorcycles, ebikes, and ATV/UTV applications.

OEMs can use the versatile Mosaic Modular LED Lighting System to configure lighting designs quickly and cost-effectively. Because the lights are standard J.W. Speaker offerings, there are no additional tooling costs. Plus, they're DOT & ECE approved, so they're ready for everyday on-road use immediately. Choose your light and partner with our experienced design team to create a unique lighting assembly to meet your placement and style preferences.

PRODUCT SPECIFICATIONS

Raw Lumen Output:
1,800 (High Beam); 2,080 (Symmetric Low Beam);

Effective Lumen Output:
400 (High Beam); 725 (Symmetric Low Beam)

Candela Output:
46,200 (High Beam); 10,200 (Symmetric Low Beam)

Operating Voltage:
9-36V DC

Current Draw*:
High Beam: 2.0A @ 12V DC; 0.7A @ 24 V DC
Symmetric Low Beam: 1.5A @ 12V DC; 0.66A @ 24 V DC
RHT Low Beam: 1.92A @ 12.8V DC
Fog: 1.5A @ 12V DC; 0.66A @ 24V DC
Cornering: 1.5A @ 12V DC; 0.66A @ 24V DC
DRL: 1.0A @ 12V DC
Front Position: 0.18A @ 12V DC
* For the full listing of Current Draws, please visit the respective Product Number's Specification Sheet on our website at www.jwspeaker.com

Standards & Application:

HIGH BEAM | LOW BEAM | LOW BEAM (SPREAD) | CORNERING

DRL | TURN | MOUNTING HARDWARE | PEDESTAL MOUNT

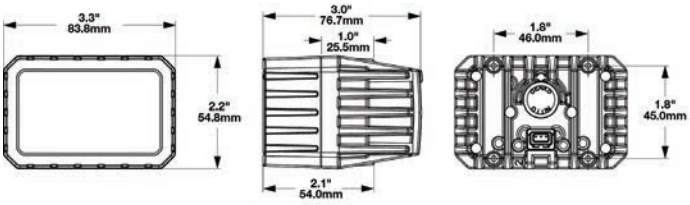
SIGNLE HEADLIGHTS

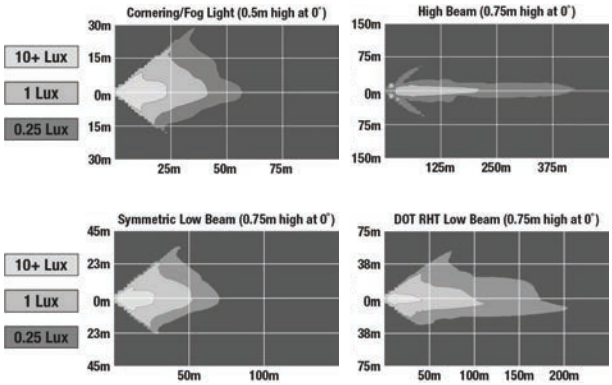
PART #	DESCRIPTION
0347971	12-24V LED DOT/ECE DI & DRL Light
0556821	12V LED SAE/ECE Fog Light
0556831	12V LED SAE High Beam & DRL Headlight
0557941	12V LED SAE/ECE Cornering Light
0558321	12V LED SAE/ECE Symmetric Low Beam Headlight
0560121	24V LED ECE High Beam & Front Position Headlight
0560141	24V LED ECE Symmetric Low Beam Headlight
0560161	24V LED ECE Fog Light
0560171	24V LED ECE Cornering Light
0560251	12V LED DOT/ECE High Beam & Front Position Headlight
0561401	12V LED DOT RHT Vertical Low Beam Headlight
0561411	12V LED DOT RHT Horizontal Low Beam Headlight - LH
0561421	12V LED DOT RHT Horizontal Low Beam Headlight - RH
0563140	12-24V Low Beam - RHT

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

MOUNTING OPTIONS

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





5-IN-1 93

All New 5-in-1 Headlight

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

PRODUCT SPECIFICATIONS

Raw Lumen Output:
1,827 (High Beam); 1,325 (Low Beam)

Effective Lumen Output:
683 (High Beam); 495 (Low Beam)

Candela Output:
44,000 (High Beam); 23,000 (Low Beam)

Connector/Wiring:
Deutsch DT04-2P

Operating Voltage:
9-16V DC

Current Draw*:
High Beam: 1.96A @ 12V DC
Low Beam: 1.35A @ 12V DC
Front Position: 0.111A @ 12V DC
DRL: 1.33A @ 12V DC
* For the full listing of Current Draws, please visit the respective Product Number's Specification Sheet on our website at www.jwspeaker.com

Retrofit Information:
Standard 90mm lamps

Standards & Application:

3-POINT MOUNT

5-IN-1:

FRONT POSITION | HIGH BEAM | LOW BEAM | DRL | TURN

SINGLE FUNCTION:

HIGH BEAM | LOW BEAM OR FOG | TURN & DRL

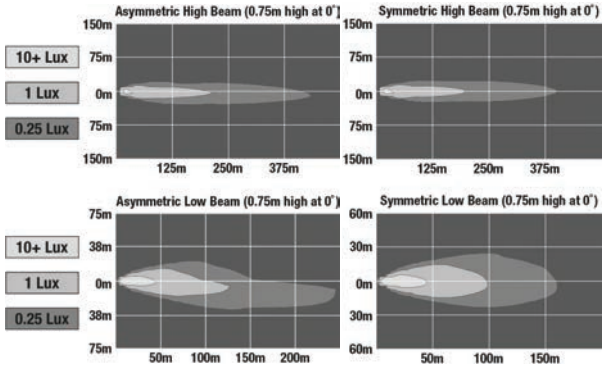
SINGLE HEADLIGHTS | BEAM PATTERNS | 3-POINT MOUNT

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

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

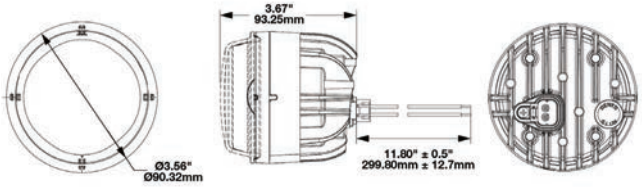
MOUNTING OPTIONS

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



SINGLE PEDESTAL

DOUBLE PEDESTAL



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

8600 EVO-X

HEATED

Product Specifications

Raw Lumen Output:
3,740 (High Beam); 2,330 (Low Beam)

Effective Lumen Output:
1,430 (High Beam); 740 (Low Beam)

Candela Output:
63,000

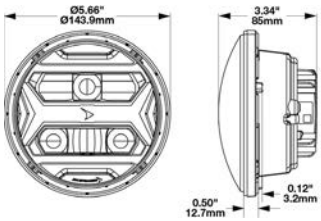
Connector/Wiring:
Integrated 6-pin Deutsch; Deutsch DT06-6S

Operating Voltage:
9-32V DC

Current Draw:
Low Beam: 2.09A @ 12V DC; 1.14A @ 24V DC
High Beam: 4.55A @ 12V DC; 2.23A @ 24V DC
Turn: 2.98A @ 12V DC; 1.53A @ 24V DC
FP: 0.26A @ 12V DC; 0.15A @ 24V DC
DRL: 2.51A @ 12V DC; 1.28A @ 24V DC

Retrofit Information:
5.75" Round (PAR46)

Standards & Application:



SINGLE HEADLIGHTS

PART #	DESCRIPTION
0562431	12-24V DOT/ECE LED RHT 5-in-1 Heated Headlight with Black Bezel
0562441	12-24V DOT/ECE LED RHT 5-in-1 Heated Headlight with Chrome Bezel
0562411	12-24V DOT/ECE LED RHT 5-in-1 Headlight with Black Bezel
0562421	12-24V DOT/ECE LED RHT 5-in-1 Headlight with Chrome Bezel
0562451	12-24V DOT/ECE LED High & Symmetric Low Beam Headlight with Black Bezel
0562461	12-24V DOT/ECE LED High & Symmetric Low Beam Headlight with Chrome Bezel
0562661	12-24V ECE LED LHT 5-in-1 Headlight with Black Bezel
0562671	12-24V ECE LED LHT 5-in-1 Headlight with Chrome Bezel

PART #	ACCESSORIES
3157751	Double Ring Kit Mounting Assembly
3272541	High Beam/Low Beam and Front Position H4 Harness
3272551	High Beam and Low Beam H4 Harness
3272681	5-in-1 Flying Lead Harness

Product Specifications

Raw Lumen Output:
3,740 (High Beam); 2,330 (Low Beam)

Effective Lumen Output:
1,455 (High Beam); 765 (Low Beam)

Candela Output:
63,000

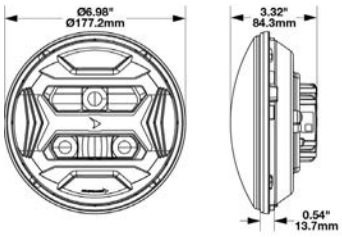
Connector/Wiring:
Integrated 6-pin Deutsch; Deutsch DT06-6S

Operating Voltage:
9-32V DC

Current Draw:
Low Beam: 2.09A @ 12V DC; 1.13A @ 24V DC
High Beam: 4.52A @ 12V DC; 2.21A @ 24V DC
Turn: 2.95A @ 12V DC; 1.53A @ 24V DC
FP: 0.26A @ 12V DC; 0.15A @ 24V DC
DRL: 2.52A @ 12V DC; 1.28A @ 24V DC

Retrofit Information:
7" Round (PAR56)

Standards & Application:



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SINGLE HEADLIGHTS

PART #	DESCRIPTION
0562231	12-24V DOT/ECE LED RHT 5-in-1 Headlight with Black Bezel
0562241	12-24V DOT/ECE LED RHT 5-in-1 Headlight with Chrome Bezel
0562271	12-24V DOT/ECE LED High and Symmetric Low Beam Headlight with Front Position with Black Bezel
0562281	12-24V DOT/ECE LED High and Symmetric Low Beam Headlight with Front Position with Chrome Bezel
0562291	12-24V ECE LED LHT 5-in-1 Headlight with Black Bezel
0562301	12-24V ECE LED LHT 5-in-1 Headlight with Chrome Bezel
0562251	12-24V DOT/ECE LED RHT 5-in-1 Heated Headlight with Black Bezel
0562261	12-24V DOT/ECE LED RHT 5-in-1 Heated Headlight with Chrome Bezel

PART #	ACCESSORIES
3272541	High Beam/Low Beam and Front Position H4 Harness
3272551	High Beam and Low Beam H4 Harness
3272681	5-in-1 Flying Lead Harness

8800 EVO-X

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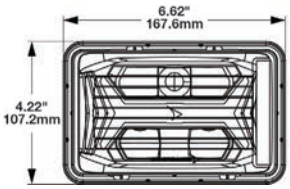

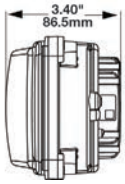

Product Specifications

Raw Lumen Output:
3,740 (High Beam); 2,330 (Low Beam)

Effective Lumen Output:
1,420 (High Beam); 740 (Low Beam)

Candela Output:
60,000

Connector/Wiring:
Integrated 6-pin Deutsch; Deutsch DT06-6S

Operating Voltage:
9-32V DC

Current Draw:
Low Beam: 2.09A @ 12V DC; 1.14A @ 24V DC
High Beam: 4.55A @ 12V DC; 2.23A @ 24V DC
Turn: 2.98A @ 12V DC; 1.53A @ 24V DC
FP: 0.26A @ 12V DC; 0.15A @ 24V DC
DRL: 2.51A @ 12V DC; 1.28A @ 24V DC

Retrofit Information:
1A1 and 2A1 (4" x 6") Sealed Beams

Standards & Application:

PART #	ACCESSORIES
3272541	High Beam/Low Beam and Front Position H4 Harness
3272551	High Beam and Low Beam H4 Harness
3272681	5-in-1 Flying Lead Harness

PART #	DESCRIPTION
0562021	12-24V DOT/ECE LED RHT Asymmetric Low Beam Headlight with Black Bezel
0562031	12-24V DOT/ECE LED RHT Asymmetric Low Beam Headlight with Chrome Bezel
0562061	12-24V DOT/ECE LED High Beam Headlight with Black Bezel
0562071	12-24V DOT/ECE LED High Beam Headlight with Chrome Bezel
0562101	12-24V DOT/ECE LED RHT 5-in-1 Headlight with Black Bezel
0562111	12-24V DOT/ECE LED RHT 5-in-1 Headlight with Chrome Bezel
0562191	12-24V DOT/ECE LED RHT High and Low Beam Headlight with Front Position with Black Bezel
0562201	12-24V DOT/ECE LED RHT High and Low Beam Headlight with Front Position with Chrome Bezel
0562211	12-24V ECE LED LHT High and Low Beam Headlight with Front Position with Black Bezel
0562221	12-24V ECE LED LHT High and Low Beam Headlight with Front Position with Chrome Bezel
0562041	12-24V DOT/ECE LED RHT Asymmettric Low Beam Heated Headlight with Black Bezel
0562051	12-24V DOT/ECE LED RHT Asymmetric Low Beam Heated Headlight with Chrome Bezel
0562121	12-24V DOT/ECE LED RHT 5-in-1 Heated Headlight with Black Bezel
0562131	12-24V DOT/ECE LED RHT 5-in-1 Heated Headlight with Chrome Bezel

Product Specifications

Raw Lumen Output:
3,740 (High Beam); 2,330 (Low Beam)

Effective Lumen Output:
1,420 (High Beam); 735 (Low Beam)

Connector/Wiring:
Integrated 6-pin Deutsch; Deutsch DT06-6S

Operating Voltage:
9-32V DC

Current Draw:
Low Beam: 2.09A @ 12V DC; 1.13A @ 24V DC
High Beam: 4.52A @ 12V DC; 2.21A @ 24V DC
Turn: 2.95A @ 12V DC; 1.53A @ 24V DC
FP: 0.26A @ 12V DC; 0.15A @ 24V DC
DRL: 2.52A @ 12V DC; 1.28A @ 24V DC

Retrofit Information:
5" x 7" Rectangle; 2B1 Sealed Beams

Standards & Application:

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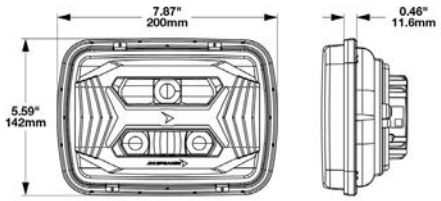


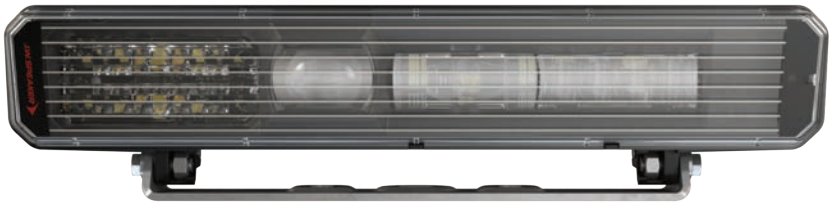
SINGLE HEADLIGHTS

PART #	DESCRIPTION
0562471	12-24V DOT/ECE LED RHT 5-in-1 Headlight with Black Bezel
0562481	12-24V DOT/ECE LED RHT 5-in-1 Headlight with Chrome Bezel
0562591	12-24V DOT/ECE LED RHT High & Low Beam Headlight with Front Position with Black Bezel
0562601	12-24V DOT/ECE LED RHT High & Low Beam Headlight with Front Position with Chrome Bezel
0562721	12-24V ECE LED LHT High and Low Beam Headlight with Front Position with Black Bezel
0562731	12-24V ECE LED LHT High and Low Beam Headlight with Front Position with Chrome Bezel
0562491	12-24V DOT/ECE LED RHT 5-in-1 Heated Headlight with Black Bezel
0562501	12-24V DOT/ECE LED RHT 5-in-1 Heated Headlight with Chrome Bezel
0562611	12-24V DOT/ECE LED RHT High & Low Beam Heated Headlight with Front Position with Black Bezel
0562621	12-24V DOT/ECE LED RHT High & Low Beam Heated Headlight with Front Position with Chrome Bezel

PART #	ACCESSORIES
3272541	High Beam/Low Beam and Front Position H4 Harness
3272551	High Beam and Low Beam H4 Harness
3272681	5-in-1 Flying Lead Harness

9900 LOW PROFILE

SmartHeat
HEATED LIGHTING TECHNOLOGY



Product Specifications

Raw Lumen Output:
4300 (High Beam); 2370 (Low Beam)

Effective Lumen Output:
1060 (High Beam); 587 (Low Beam)

Candela Output:
58,000 (High Beam)

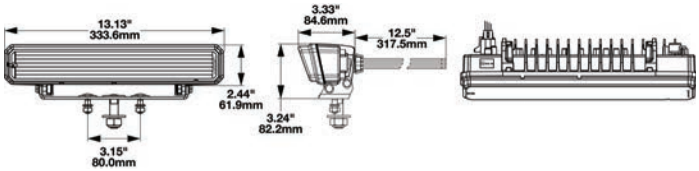
Connector/Wiring:
6-Pin Delphi (#12052848)

Operating Voltage:
9-30V DC

Current Draw:
High Beam: 5.00A @ 12V DC; 3.00A @ 24V DC
Low Beam: 3.50A @ 12V DC; 2.25A @ 24V DC
Turn: 1.20A @ 12V DC; .75A @ 24V DC
Front Position: 2.00A @ 12V DC; 1.50A @ 24V DC
DRL: 2.50A @ 12V DC; 1.75A @ 24V DC

Retrofit Information:
3" x 13" Rectangle; Pedestal Mount Headlights

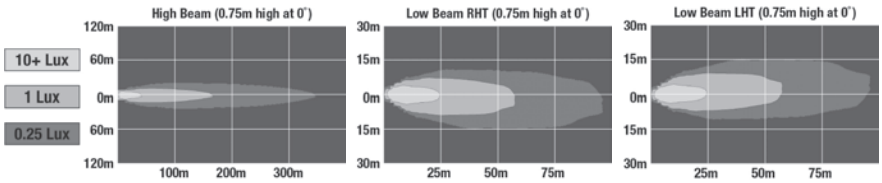
Standards & Application:



HEATED KIT OF 2 HEADLIGHTS

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

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



Product Specifications

Raw Lumen Output:
2,200

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

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

Connector/Wiring:
Standard Sealed Beam Style Screw Terminal

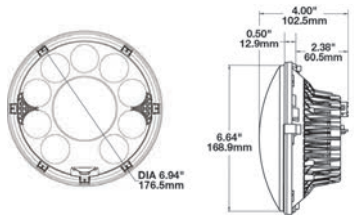
Operating Voltage:
18-130V DC

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

Retrofit Information:
7" Round Locomotive Headlight

Standards & Application:

SEALED IP66 FRA

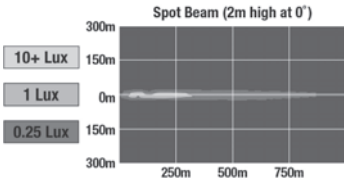


HEATED SINGLE HEADLIGHT

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

NON-HEATED SINGLE HEADLIGHT

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



Product Specifications

Flash Rate:
Mode 0
Outter LED: Steady On, Inner LED: Steady On

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

Mode 2
Outter LED: Triple flash 60 per min (1Hz),
Inner LED: Triple flash 60 per min (1Hz)

Mode 3
Outter LED: Flash 60 per min (1Hz),
Inner LED: Triple flash 60 per min (1Hz)

Mode 4
Outter LED: Flash 200 per min (2Hz),
Inner LED: Flash 200 per min (2Hz)

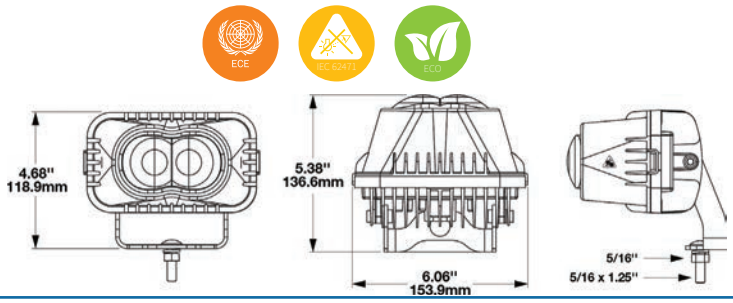
Mode 5
Outter LED: Flash 60 per min (1Hz),
Inner LED: Steady On

Mating Connector:
PE 12110293

Operating Voltage:
10-90V DC

Current Draw:
3.6A @ 12V DC

Standards & Application:



SINGLE WARNING LIGHTS

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

WARNING PROJECTION

PEDESTRIAN WARNING PROJECTION

RED UNIVERSAL WARNING PROJECTION

BLUE UNIVERSAL WARNING PROJECTION

MODEL 77 BLUE & RED SPOT

Product Specifications

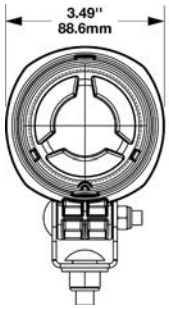
Connector/Wiring:
Integral 2-Pin Deutsch Weather-Proof Socket or Integral 2-Pin AMP Connector

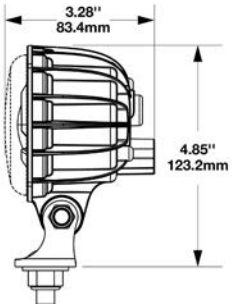
Mating Connector:
2-Pin Deutsch Weather-Proof Socket (DT06-2S) or 2-Pin AMP (#180923)

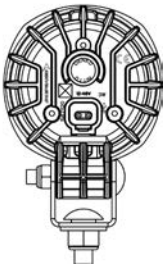
Operating Voltage:
9-60V DC

Current Draw:
0.23A @ 12V DC; 012A @ 24V DC; 0.09A @ 36V DC; 0.06A @ 48V DC

Standards & Application:







SINGLE WARNING LIGHTS

PART #	DESCRIPTION
0647501	12-48V LED Red Spot Safety Light with Deutsch Connector
0647511	12-48V LED Red Spot Safety Light with AMP Connector
0647411	12-48V LED Blue Spot Safety Light with Deutsch Connector
0647421	12-48V LED Blue Spot Safety Light with AMP Connector

MODEL 777 GEN 2

LED Forklift Warning Light and ARC Safety Light

Product Specifications

Operating Voltage:
10-80V DC

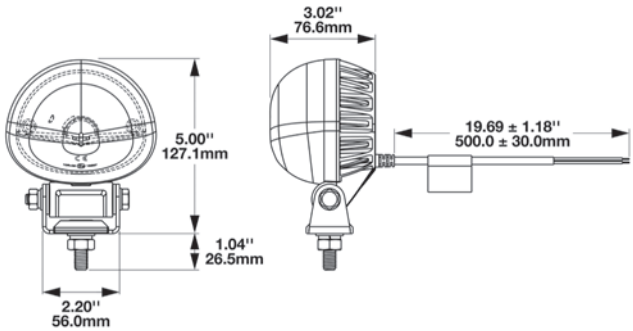
Effective Lumen Output:
100

Candela Output:
3,200

Connector/Wiring:
19.5” Bare Leads (tinned)

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

Standards & Application:



SINGLE WARNING LIGHTS

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

MODEL 793

Product Specifications

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

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

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

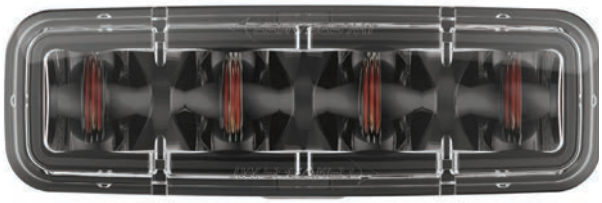
Connector/Wiring:
Deutsch DT04-2P

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

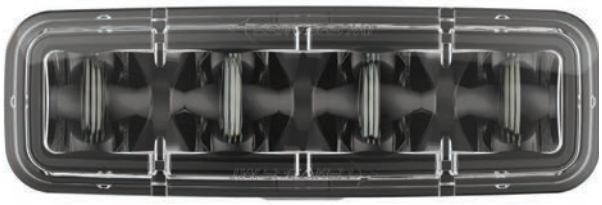
Operating Voltage:
10-45V DC

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

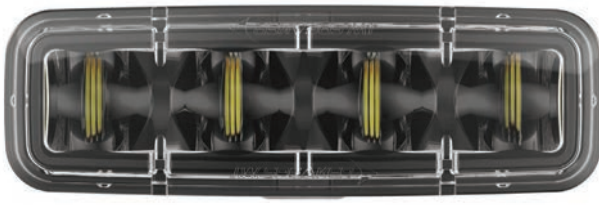
Standards & Application:



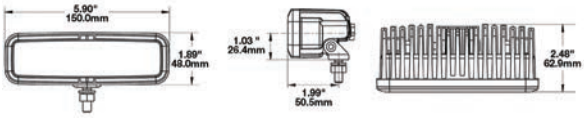
RED



BLUE



AMBER



WITH SHROUD

SINGLE WARNING LIGHTS

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

SIGNAL LIGHTS

Model 150

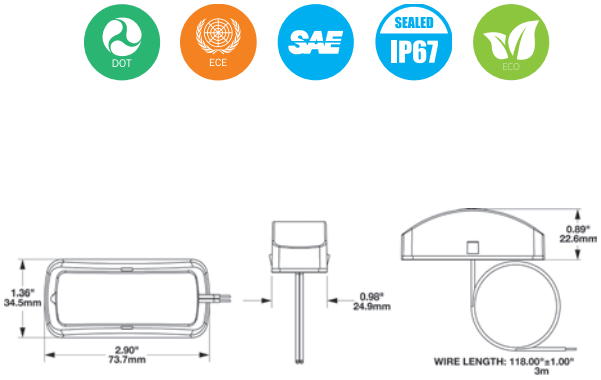
PART #	BEZEL	DESCRIPTION
0205321	Red	Marker light with assembly
0205341	Amber	Marker light with assembly
0443051	White	Marker light with assembly

Product Specifications

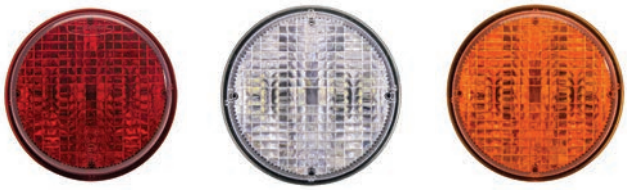
Operating Voltage:
12-24V DC

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

Standards & Application:



Model 217



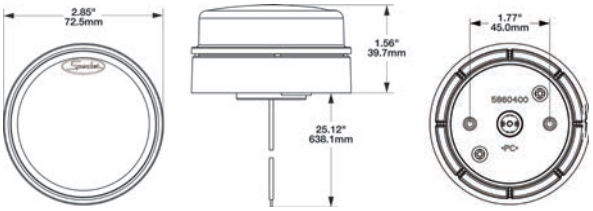
PART #	BEZEL	DESCRIPTION
0345421	Red	Backuplight w/o bracket
0345451	White	DRL & FP w/o bracket
0345461	White	DRL & FP with 90mm bracket
0345411	Red	Stop & Tail w/o bracket
0345521	Amber	Turnlight with bracket
0345441	Amber	Turnlight w/o bracket

Product Specifications

Operating Voltage:
12-24V DC

Current Draw:
0.55A @ 12V DC; 0.03A @ 24V

Standards & Application:

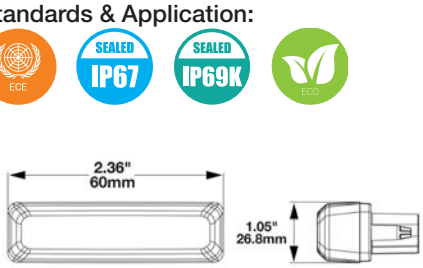


Product Specifications

Operating Voltage:
12V AC

Current Draw:
12A @ 0.15V AC

Standards & Application:



Model 152

PART #	DESCRIPTION
0230942	12V ECE-SAE Amber Marker Lamp
0230952	12V ECE-SAE Red Marker Lamp

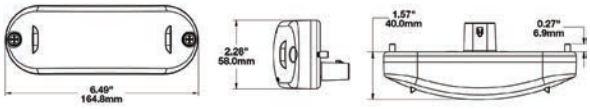
Product Specifications

Model 272

Operating Voltage:
10-30V DC

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

Standards & Application:



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

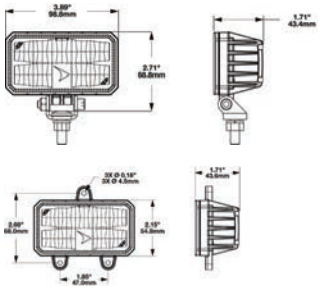
Model 792

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

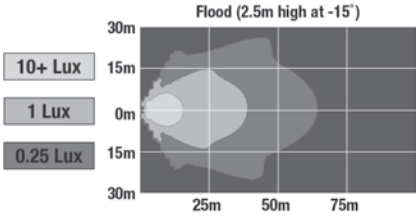
Product Specifications

Operating Voltage:
9-35V DC

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



Standards & Application:



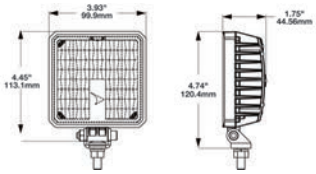
Model 892 Product Specifications

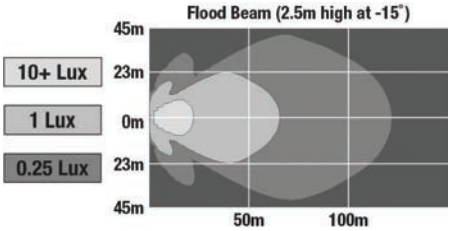
Operating Voltage:
9-30V DC

Current Draw:
4.38A @ 12V DC; 1.84A @ 24V

Standards & Application:

PART #	DESCRIPTION
1603961	12-24V LED Work Light Pedestal Mount



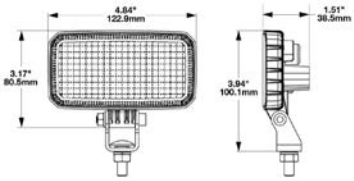


Model 790 XD Product Specifications

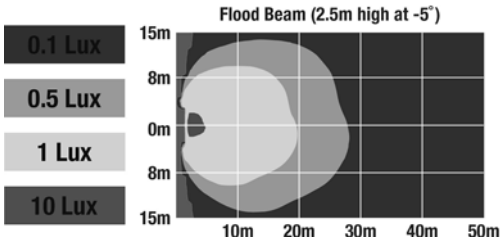
Operating Voltage:
12-24V DC

Current Draw:
0.40A @ 13.5V AC; 0.23A @ 24V AC

Standards & Application:



PART #	DESCRIPTION
0443781	12/24V SAE/ECE LED Reverse Lamp w/ AMP Connector
0443791	12/24V SAE/ECE LED Reverse Lamp w/ Deutsch Connector
1604301	12/24V LED Work Lamp w/ AMP Connector
1604311	12/24V LED Work Lamp w/ Deutsch Connector

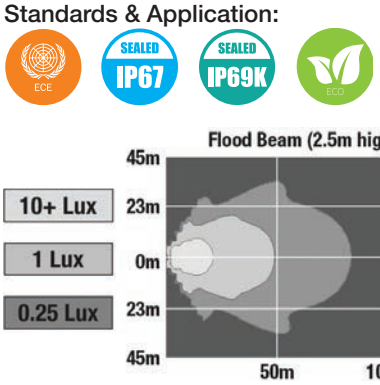


Product Specifications

Operating Voltage:
12-24V DC

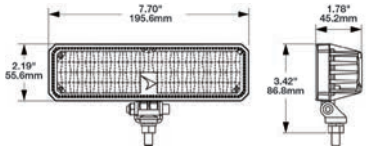
Current Draw:
4.5A @ 12V DC; 1.8A @ 24V

Standards & Application:



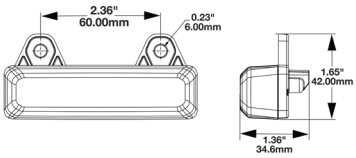
Model 893

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



Model 152

PART #	DESCRIPTION
1604262	12/24V LED Clear Work Lamp



Product Specifications

Operating Voltage:
12V AC

Current Draw:
12A @ 0.15V AC

Standards & Application:

FIRE RATED LAMPS

Headlights - Work Lights - Warning Lights

Model 8700

PART #	DESCRIPTION
0556951	12-24V ECE LHT High & Low Beam Headlight with DRL - Chrome
0556961	12-24V ECE LHT High & Low Beam Headlight with DRL - Black
0556971	12-24V ECE RHT High & Low Beam Headlight with DRL & Chrome Inner Bezel - Single Light
0556981	12-24V ECE RHT High & Low Beam Headlight with DRL - Black

Model 8770

PART #	DESCRIPTION
0554601	24-110V LED Locomotive Headlight with Spot Beam Pattern
0551901	24-110V LED Locomotive Headlight with Spot Beam Pattern & Heated Lens
0561031	24-110V LED Locomotive Headlight with Warm White Spot Beam Pattern & Heated Lens
0561061	24-110V LED Locomotive Headlight with Warm White Spot Beam Pattern

Model 892

PART #	DESCRIPTION
1604022	12-24V LED Work Light Pedestal Mount (BULK without Harness)
1603962	12-24V LED Work Light Pedestal Mount (BULK with Harness)
1603961	12-24V LED Work Light Pedestal Mount

Model 93

PART #	DESCRIPTION
0553091	12-24V ECE LHT LED Low Beam Headlight

Model 6042

PART #	DESCRIPTION
0343211	12-24V SAE LED Stop & Tail Light

Model 8630

PART #	DESCRIPTION
0556891	12-24V RHT Front Fog
0562741	12-24V DRL GLS

Model 407

PART #	DESCRIPTION
0646491	12-80V LED Amber Class Strobe Light

Model 6130

PART #	DESCRIPTION
0549891	12-24V ECE LED LHT High & Low Beam Headlight with Front Position

Model 894

PART #	DESCRIPTION
1300782	12/24V LED Work Light with Pedestal Mount (BULK)
1300781	12-24V LED Work Light with Pedestal Mount

Model 792

PART #	DESCRIPTION
1603951	12-24V LED Compact Work Light with Panel Mount

NOTES

NOTES

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