

# Bi-LED Headlight – Model 97

## 100mm Bi-LED Headlights



### Description

The JW Speaker model 97 Bi-LED headlights are designed as upgrades from stock bulb-based 100mm lights commonly found on a variety of applications including buses, trucks, and motor coaches. Each Model 97 features a heavy-duty aluminum housing, UV-resistant lens, and the latest in solid-state optics. They are designed to be drop-in High & Low beam LED headlight replacements for stock 100mm lights.

### Features and Benefits

- Built-in high and low beam headlight with front position
- Easy installation; versatile to fit in a variety of heavy-duty applications
- Durable and Reliable; Heavy-duty aluminum housing and UV-resistant polycarbonate lens
- Legal on-road throughout North America and Europe; DOT & ECE compliant

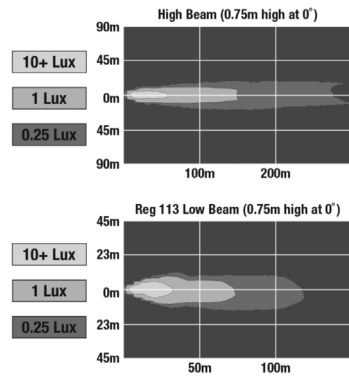
### Applications

Agriculture, Construction, Industrial, Material Handling, Mining, Off-Road 4x4, Railroad, Specialty Vehicles, Truck & Bus

### Tech Specs

Input Voltage	12-24V DC
Operating Voltage	10-32V DC
Transient Spike Protection	150V Peak @ 1 HZ-100 Pulses
Current Draw	High Beam: 1.8A @ 12V DC; 1.0A @ 24V DC Low Beam: 1.5A @ 12V DC; 0.8A @ 24V DC Front Position: 0.1A @ 12V DC; 0.06A @ 24V DC
Raw Lumen Output	1,800 (High Beam); 1,600 (Low Beam)
Effective Lumen Output	497 (High Beam); 321 (Low Beam)
Candela Output	41,800 (High Beam); 14,600 (Low Beam)
Nominal LED Color Temperature	5000 K
Operating Temperature	-40 °C / -40 °F - 65 °C / 149 °F
Outer Lens Material	Polycarbonate
Outer Lens Color	Clear
Housing Material	Aluminum
Housing & Bezel Color	Black
Mounting Type	3-Point Mount for 3mm Mounting Frame, Single Pedestal Mount Kit
Connector or Wiring	Deutsch DT04-4P
Mating Connector	Deutsch DT06-4S
Height & Width	100.00 mm / 3.94 in
Depth	85.00 mm / 3.35 in
Shape	Round
Product & Shipping Weight	1.85 lbs / 0.84 kgs
Standards Compliance	Buy America Standards, Eco Friendly, IEC IP67, Tested to ECE Reg. 10 (Radiated Emissions only), ECE Reg 10, IEC IP69K 0554911 only: ECE Reg 112, ECE Reg 7 0554921 only: ECE Reg 113, ECE Reg 50, FMVSS 108 s10.1

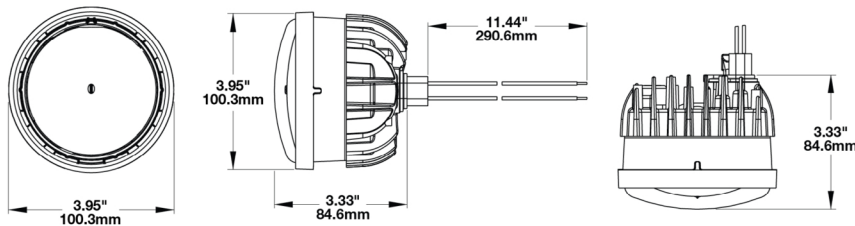
### Photometric



### Accessories



### Dimensions



### Beam Pattern(s)

Reg 112: Forward Lighting - High Beam (ECE), Forward Lighting - Low Beam (ECE Left Hand)  
Reg 113: Forward Lighting - High Beam (DOT/ECE), Forward Lighting - Low Beam (DOT/ECE)  
Signalization - Front Position

Part No.	Description
0554911	12-24V ECE LHT High & Low Beam (Reg 112)
0554921	12-24V DOT/ECE High & Low Beam (Reg 113)
Part No.	Accessories Description
8001511	3-Point Mount for 3mm Mounting Frame
8001521	Single Pedestal Mount Kit



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