

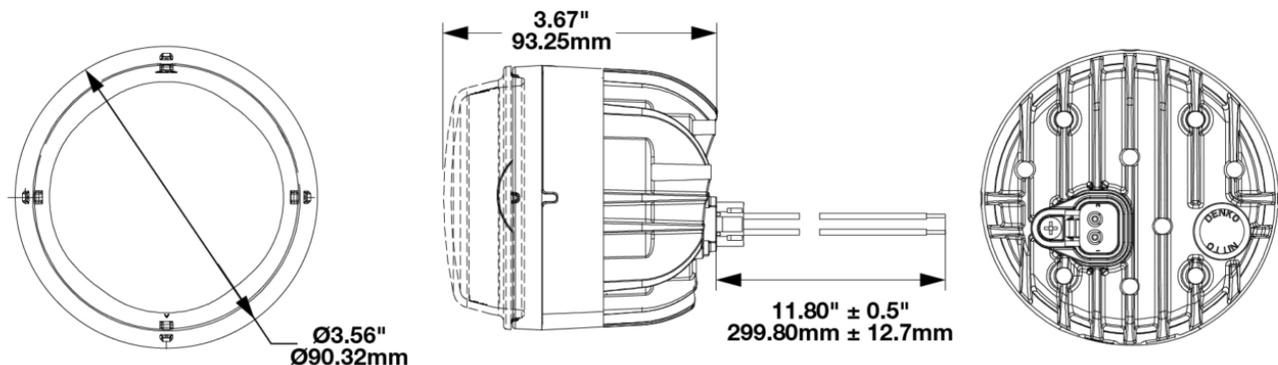
90mm LED Headlight - Model 93

PRODUCT INFORMATION

Description	12-24V DOT/ECE LED High Beam Headlight
Height	90.00 mm / 3.54 in
Width	90.00 mm / 3.54 in
Depth	95.00 mm / 3.74 in
Shape	Round
Outer Lens Material	Polycarbonate
Outer Lens Color	Clear
Housing Material	Die-Cast Aluminum
Housing Color	Black
Bezel Color	Black
Minimum Operating Temperature	-40 °C / -40 °F
Maximum Operating Temperature	65 °C / 149 °F
Connector or Wiring	Deutsch DT04-2P
Mating Connector	Deutsch DT06-2S
Product Weight	1.00 lbs / 0.45 kgs
Shipping Weight	1.20 lbs / 0.54 kgs



PRODUCT DIMENSIONS



Print date: 2026-03-29

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J.W. SPEAKER
 Engineered. Lighting. Solutions.

90mm LED Headlight - Model 93

ELECTRICAL SPECIFICATIONS

Input Voltage	12-24V DC
Operating Voltage	10-31V DC
Transient Spike Protection	150V Peak @ 1 HZ-100 Pulses
Red Wire	Positive
Black Wire	Negative
Current Draw	0.80A @ 12V DC (High Beam) 0.40A @ 24V DC (High Beam)

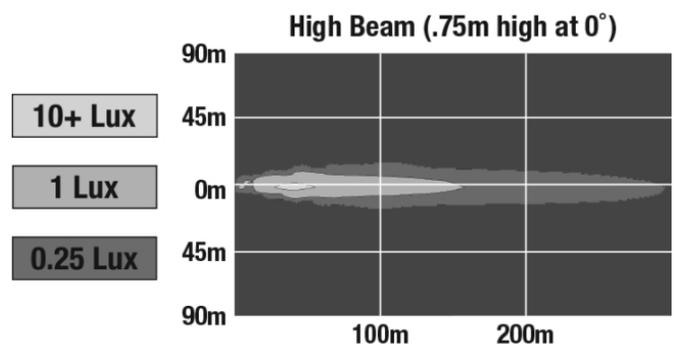
REGULATORY STANDARDS COMPLIANCE



Buy America Standards	ECE Reg 112
Eco Friendly	FMVSS 108 s10.1 (Table XVIII)
IEC IP69K	

PHOTOMETRIC SPECIFICATIONS

Raw Lumen Output	630
Effective Lumen Output	230
Candela Output	45,000
Nominal LED Color Temperature	5000 K
Beam Pattern(s)	Forward Lighting - High Beam (DOT/ECE)



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APPLICATIONS



ADDITIONAL INFORMATION

3-point Mount for 1.5mm Mounting Frame is applicable for

- PN 0554381
- PN 0553071
- PN 0553091
- PN 0553101
- PN 0553081
- PN 0556701
- PN 0347941

3-point Mount for 3mm Mounting Frame is applicable for

- All Model 93 Lighting Options

PRODUCT WARNINGS

For California residents:

⚠ WARNING: Cancer and reproductive harm - www.P65Warnings.ca.gov.

⚠ AVERTISSEMENT: Cancer et effet nocif sur la reproduction - www.P65Warnings.ca.gov.

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ACCESSORIES



Part Number
3271981
5 Function Wire
Assembly for Model 93



Part Number
3272001
SAE/DOT Motorcycle
Wire Assembly without
DI/DRL for Model 93



Part Number
3272011
ECE Motorcycle Wire
Assembly without DI
for Model 93



Part Number
8001461
90mm Light 3-Point
Mount for 1.5mm
Mounting Frame



Part Number
8001471
90mm Light 3-Point
Mount for 3mm
Mounting Frame



Part Number
8001601
Pedestal Mounting
Bracket for Model 93
Single Lamp



Part Number
8001621
Pedestal Mounting
Bracket for Model 93
Double Lamp



Part Number
8201021
90mm 3-Point Lock
Mount for 3mm
Mounting Frame

90mm LED Headlight - Model 93

RELATED PRODUCTS



Part Number
0347941
12-24V SAE/ECE LED
Turn Signal with DRL
Function



Part Number
0530091
12-24V DOT/ECE RHT
LED High & Low Beam
Headlight with Front
Position



Part Number
0530101
12-24V ECE LHT LED
High & Low Beam
Headlight with Front
Position



Part Number
0530321
12-24V SAE/ECE LED
Symmetric 5-in-1
Headlight



Part Number
0553081
12-24V DOT/ECE
Symmetric LED Low
Beam Headlight



Part Number
0553091
12-24V ECE LHT LED
Low Beam Headlight



Part Number
0553101
12-24V DOT/ECE RHT
LED Low Beam
Headlight



Part Number
0554381
12-24V DOT/ECE LED
High Beam Headlight
with Front Position