

90mm LED Headlight - Model 93

PRODUCT INFORMATION

Description	12V ECE LED Symmetric Motorcycle Headlight - (Bulk Qty. x16 lights with mounts)
Height	90.00 mm / 3.54 in
Width	90.00 mm / 3.54 in
Depth	126.04 mm / 4.96 in
Shape	Round
Outer Lens Material	Polycarbonate
Outer Lens Color	Clear
Housing Material	Aluminum
Housing Color	Black
Minimum Operating Temperature	-40 °C / -40 °F
Maximum Operating Temperature	65 °C / 149 °F
Mating Connector	Deutsch DT06-6S
Product Weight	1.33 lbs / 0.6 kgs
Shipping Weight	22.77 lbs / 10.33 kgs
Additional Information	3-point MOUNTING RINGS ARE FULLY ASSEMBLED TO LAMPS. CUSTOMER TO PROVIDE 10mm SOCKET HARDWARE FOR MOUNTING TO 3mm PANEL THICKNESS WIRES ARE NOT INCLUDED WITH LAMP



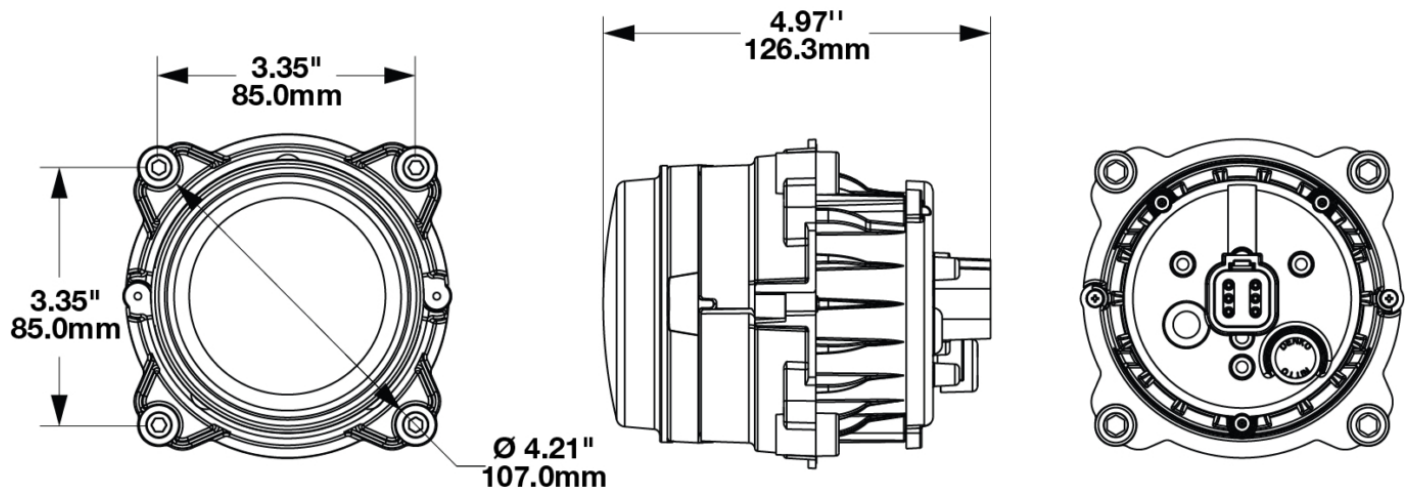
Print date: 2024-03-28

© 2024 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

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

90mm LED Headlight - Model 93

PRODUCT DIMENSIONS



ELECTRICAL SPECIFICATIONS

Input Voltage	12V DC
Operating Voltage	9-16V DC
Transient Spike Protection	150V Peak @ 1 HZ-100 Pulses
Yellow Wire	Low Beam
Red Wire	Front Position
Blue Wire	DRL
Black Wire	Ground
White Wire	High Beam
Current Draw	1.35A @ 12V DC (Low Beam) 1.96A @ 12V DC (High Beam) 0.111A @ 12V DC (Front Position) 1.33A @ 12V DC (DRL)

Print date: 2024-03-28

© 2024 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

90mm LED Headlight - Model 93

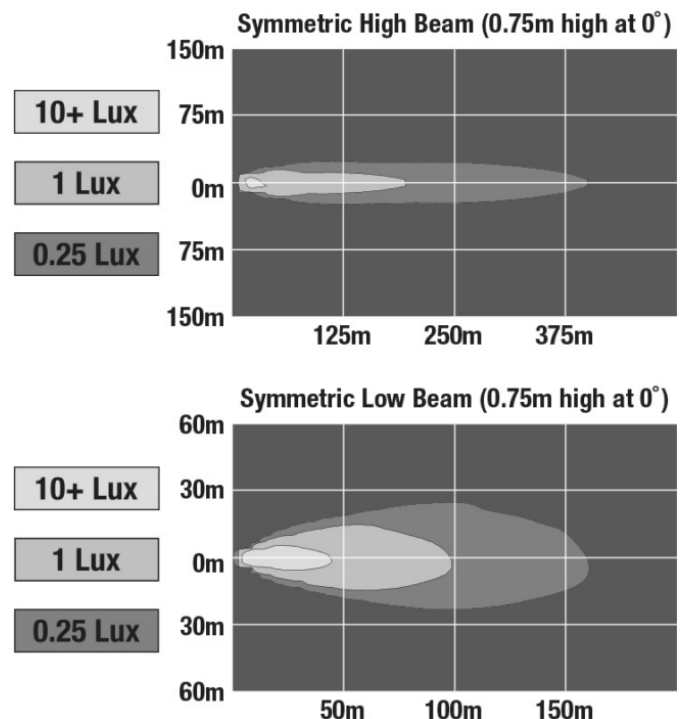
REGULATORY STANDARDS COMPLIANCE



Buy America Standards	ECE Reg 10
ECE Reg 148 - MA	ECE Reg 148 - RL
ECE Reg 149 - WC-DS	ECE Reg 149 - WR-DS
Eco Friendly	IEC IP67
IEC IP69K	Tested to ECE Reg. 10 (Radiated Emissions only)

PHOTOMETRIC SPECIFICATIONS

Raw Lumen Output	1827(High Beam), 1325(Low Beam)
Effective Lumen Output	683(High Beam), 495(Low Beam)
Candela Output	44,000(High Beam), 23,000(Low Beam)
Nominal LED Color Temperature	5665 K
Beam Pattern(s)	Forward Lighting - Daytime Running Light Forward Lighting - High Beam (DOT/ECE) Forward Lighting - Low Beam (DOT/ECE) Signalization - Front Position



Print date: 2024-03-28

© 2024 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

90mm LED Headlight - Model 93

APPLICATIONS



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.

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

Print date: 2024-03-28

© 2024 J.W. Speaker Corporation • Germantown, WI U.S.A.
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

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

90mm LED Headlight - Model 93

RELATED PRODUCTS



Part Number
0347941

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



Part Number
0553071

12-24V DOT/ECE LED
High Beam 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



Part Number
0556701

12-24V SAE/ECE LED
Fog Light



Part Number
0560371

12-24V DOT/ECE RHT
LED 5-in-1 Headlight