

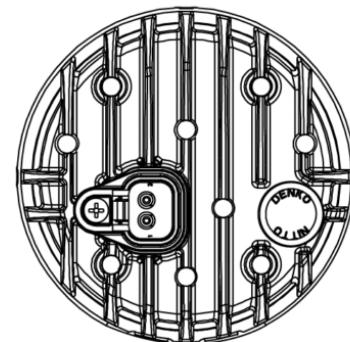
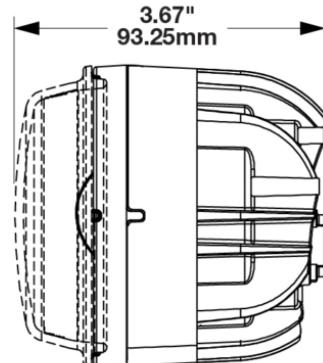
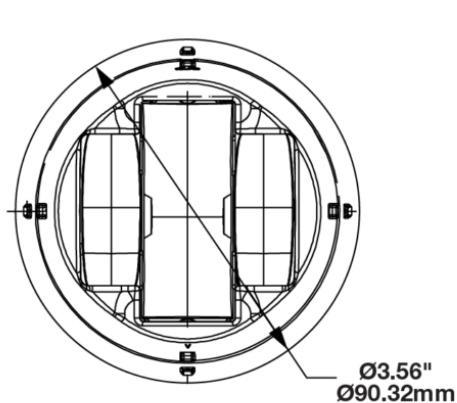
# 90mm LED Headlight - Model 93

## PRODUCT INFORMATION

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



## PRODUCT DIMENSIONS



Print date: 2026-01-20

© 2026 J.W. Speaker Corporation • Germantown, WI U.S.A.  
[www.jwspeaker.com](http://www.jwspeaker.com) • [speaker@jwspeaker.com](mailto:speaker@jwspeaker.com) • 262.251.6660

# 90mm LED Headlight - Model 93

## ELECTRICAL SPECIFICATIONS

|                          |  |
|--------------------------|--|
| <b>Input Voltage</b>     | 12-24V DC  |
| <b>Operating Voltage</b> | 10-31V DC  |
| <b>Red Wire</b>          | Positive   |
| <b>Black Wire</b>        | Negative   |
| <b>Current Draw</b>      | 1.97A @ 12V DC (Low Beam)<br>0.98A @ 24V DC (Low Beam) |

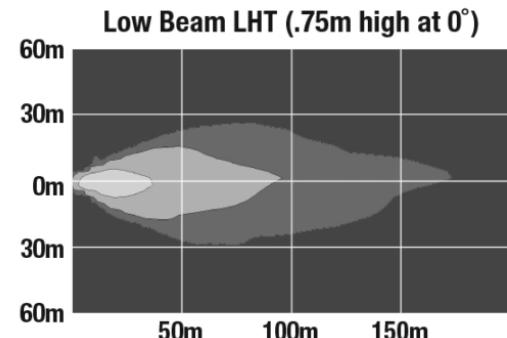
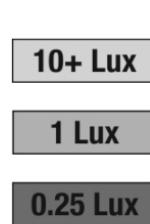
## REGULATORY STANDARDS COMPLIANCE



|                             |              |
|-----------------------------|--------------|
| Buy America Standards       | ECE Reg 10   |
| ECE Reg 112                 | Eco Friendly |
| FMVSS 108 s10.1 (Table XIX) | IEC IP69K    |

## PHOTOMETRIC SPECIFICATIONS

|                                      |   |
|--------------------------------------|---|
| <b>Raw Lumen Output</b>              | 1,910                                       |
| <b>Effective Lumen Output</b>        | 575   |
| <b>Candela Output</b>                | 18,500                                      |
| <b>Nominal LED Color Temperature</b> | 5000 K                                      |
| <b>Beam Pattern(s)</b>               | Forward Lighting - Low Beam (ECE Left Hand) |



Print date: 2026-01-20

© 2026 J.W. Speaker Corporation • Germantown, WI U.S.A.  
www.jwspeaker.com • speaker@jwspeaker.com • 262.251.6660

# 90mm LED Headlight - Model 93

## 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](http://www.P65Warnings.ca.gov).

**⚠ AVERTISSEMENT:** Cancer et effet nocif sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Print date: 2026-01-20

© 2026 J.W. Speaker Corporation • Germantown, WI U.S.A.  
[www.jwspeaker.com](http://www.jwspeaker.com) • [speaker@jwspeaker.com](mailto:speaker@jwspeaker.com) • 262.251.6660

# 90mm LED Headlight - Model 93

## 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  
0553071**

12-24V DOT/ECE LED  
High Beam Headlight

**Part Number  
0553081**

12-24V DOT/ECE  
Symmetric 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