

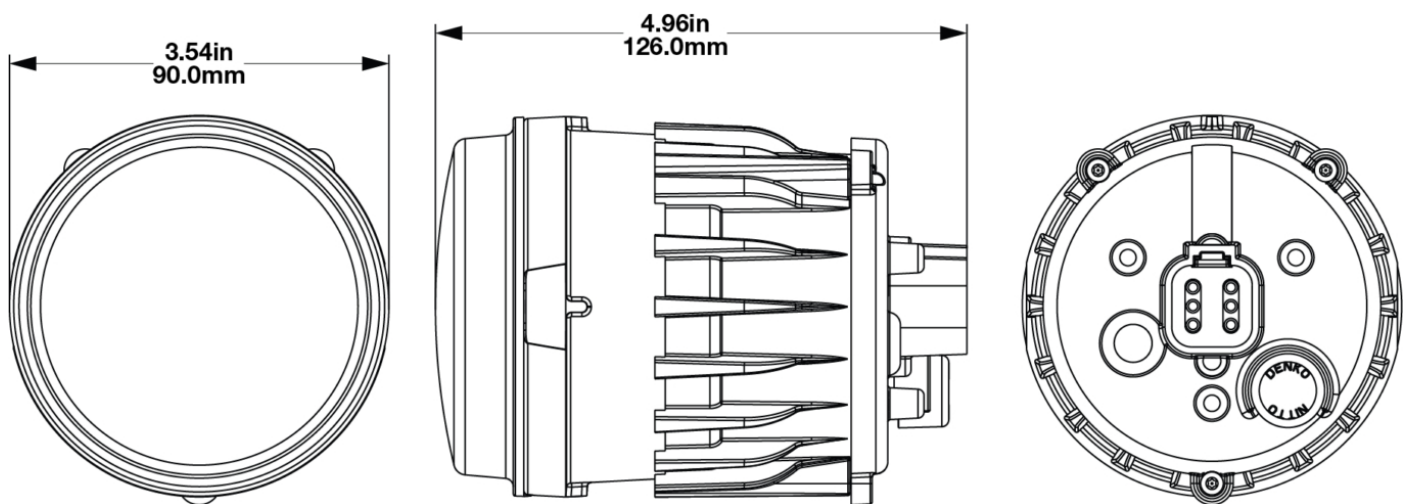
# 90mm LED Headlight - Model 93

## PRODUCT INFORMATION

|                                      |  |
|--------------------------------------|--|
| <b>Description</b>                   | 12V DOT/ECE LED Symmetric Motorcycle Headlight |
| <b>Height</b>                        | 90.00 mm / 3.54 in                             |
| <b>Width</b>                         | 90.00 mm / 3.54 in                             |
| <b>Depth</b>                         | 126.04 mm / 4.96 in                            |
| <b>Shape</b>                         | Round  |
| <b>Outer Lens Material</b>           | Polycarbonate                                  |
| <b>Outer Lens Color</b>              | Clear  |
| <b>Housing Material</b>              | Aluminum                                       |
| <b>Housing Color</b>                 | Black  |
| <b>Bezel Color</b>                   | N/A  |
| <b>Minimum Operating Temperature</b> | -40 °C / -40 °F                                |
| <b>Maximum Operating Temperature</b> | 65 °C / 149 °F                                 |
| <b>Mating Connector</b>              | Deutsch DT06-6S                                |
| <b>Product Weight</b>                | 1.18 lbs / 0.54 kgs                            |
| <b>Shipping Weight</b>               | 1.34 lbs / 0.61 kgs                            |



## PRODUCT DIMENSIONS



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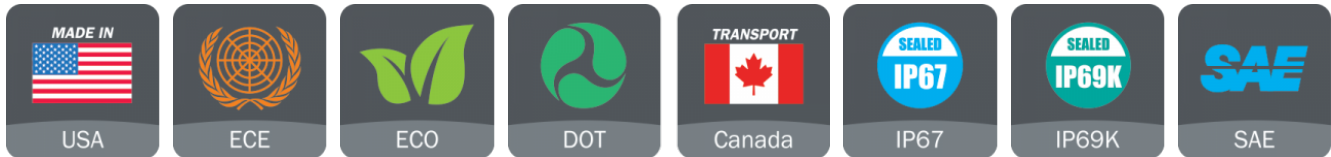
**J.W. SPEAKER**  
 Engineered. Lighting. Solutions.

# 90mm LED Headlight - Model 93

## ELECTRICAL SPECIFICATIONS

|                                   |   |
|-----------------------------------|---|
| <b>Input Voltage</b>              | 12V DC  |
| <b>Operating Voltage</b>          | 9-16V DC  |
| <b>Transient Spike Protection</b> | 150V Peak @ 1 HZ-100 Pulses   |
| <b>Yellow Wire</b>                | Low Beam  |
| <b>Red Wire</b>                   | Front Position  |
| <b>Blue Wire</b>                  | DRL   |
| <b>Black Wire</b>                 | Ground  |
| <b>White Wire</b>                 | High Beam   |
| <b>Current Draw</b>               | 1.13A @ 12V DC (Low Beam)<br>1.45A @ 12V DC (High Beam)<br>0.111A @ 12V DC (Front Position)<br>1.00A @ 12V DC (DRL) |

## 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                                       | FMVSS 108 s10.1 (Table XX) |
| IEC IP67   | IEC IP69K                  |
| SAE J222   | SAE J584                   |
| Tested to ECE Reg. 10<br>(Radiated Emissions only) |                            |

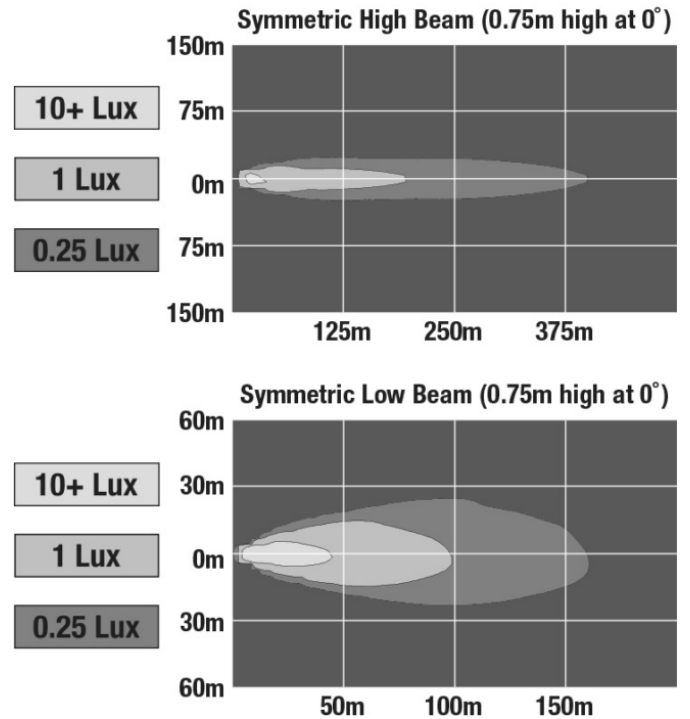
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## PHOTOMETRIC SPECIFICATIONS

|                                      |   |
|--------------------------------------|---|
| <b>Raw Lumen Output</b>              | 2650(High Beam), 1750(Low Beam)   |
| <b>Effective Lumen Output</b>        | 750(High Beam), 610(Low Beam)   |
| <b>Candela Output</b>                | 44,000(High Beam), 23,000(Low Beam)   |
| <b>Nominal LED Color Temperature</b> | 5665 K  |
| <b>Beam Pattern(s)</b>               | Forward Lighting - Daytime Running Light<br>Forward Lighting - High Beam (ECE)<br>Forward Lighting - Low Beam (DOT/ECE)<br>Signalization - Front Position |



## APPLICATIONS



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## ADDITIONAL INFORMATION

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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

LAMP IS NOT SUPPLIED WITH A HARNES

## PRODUCT WARNINGS

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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).

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## ACCESSORIES

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**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

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**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