



CRUISADER

LED Headlight

User & Specification Manual
Model H6024-OE3/5

FMVSS 108/CMVSS 108 COMPLIANCE STATEMENT

Your new Crusader LED headlights have been rigorously tested to ensure complete compliance with all FMVSS 108 and CMVSS 108 physical and photometric regulations for both the USA and Canada. These lights are engineered with precision optics to produce an optimal beam pattern and must be properly aimed to prevent undue glare for oncoming drivers.

To ensure compliance with all local and municipal laws please adjust to VOL aiming specifications. If you are unable to properly adjust your lights it is strongly recommended that you take your vehicle to a certified headlight aiming facility to perform the adjustment.

For more information, visit us at:

www.KnightBeam.com



SPECIFICATIONS

Style: H6024 7" Round

Light Color: OE3/2,900K - OE5/5,800K

Lens: UV Hard Coated Polycarbonite

Light Output: 775 Lumens Low Beam - 1,350 Lumens High Beam

Hot Spot: 52,000 cd Low Beam - 64,000 cd High Beam

Beam Pattern: VOL

Certification: FMVSS 108/CMVSS 108

Design Life: 20,000 Hrs (L70B10 Rating)

Waterproof Rating: IP67

Voltage Rating: 9-18V DC

Power Consumption: 25 Watts Low Beam - 35 Watts High Beam

Minimum Fuse Rating: 5 Amps per Light

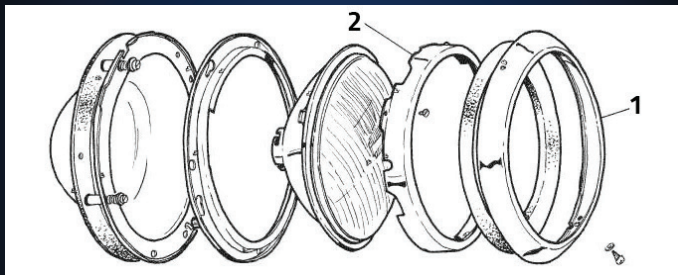
Circuit: Non-Polarity

Connection: Standard H4 Plug



INSTALLATION

Most headlight replacements will only require the removal of the headlight trim ring (1) and retainer ring (2).

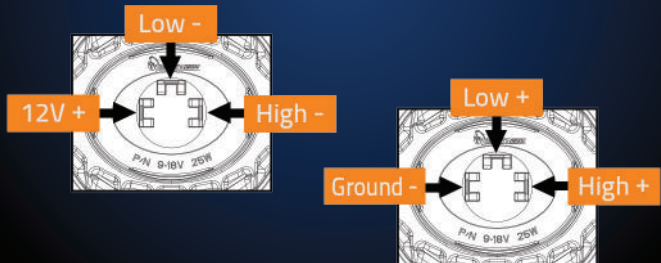


Please review your vehicle-specific workshop manual, or visit our website for instructions on how to ensure your headlights are properly installed.



CONNECTION OPTIONS

Your Crusader LED headlights utilize non-polarity circuitry to ensure they function in almost all vehicle applications. This results in a plug & play installation in vehicles with either a common ground or common hot circuit. The below illustrates the two connection options for proper operation. If your application is non-standard and does not utilize either of these connections you will have to repin your connector for the lights to function.

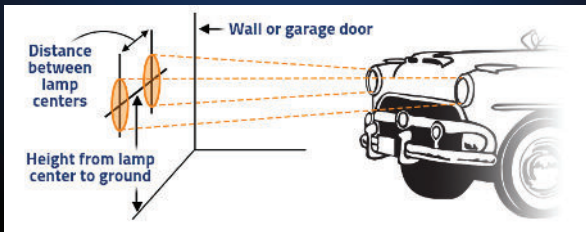


ADJUSTMENT

How To Aim Your Headlights

1. Position vehicle 25' from a wall.
2. Measure to center of headlight (H).
3. Subtract (2) inches from the measurement ($H - 2"$).
4. Using this measurement, place a mark on the wall, this is the cutoff line height target.
5. Cover or unplug one headlight.
6. Turn on headlights.
7. Adjust light so that the cutoff is within 1" of the mark
8. Repeat process for the other light.

For detailed instructions, please visit our website.



CUSTOMER SERVICE & WARRANTY



12 Month Limited Warranty



Lifetime Support



Email: Support@KnightBeam.com



Phone: 1-833-9-KNIGHT
(5 6 4 4 4 8)

*For FAQ & more information,
please visit:*

www.KnightBeam.com





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