



TrailBlazer 6.5" Driving Lights User Manual



Specification

LED Chips OSRAM P8 LEDs

Beam Pattern Driving Beam

Power 48W per light

Lumens 4245LM per light

Main Beam CCT 6000K White

DRL CCT 6000K/3000K

Voltage DC 9–32V

Waterproof Rating IP68

Housing Die-cast Aluminum

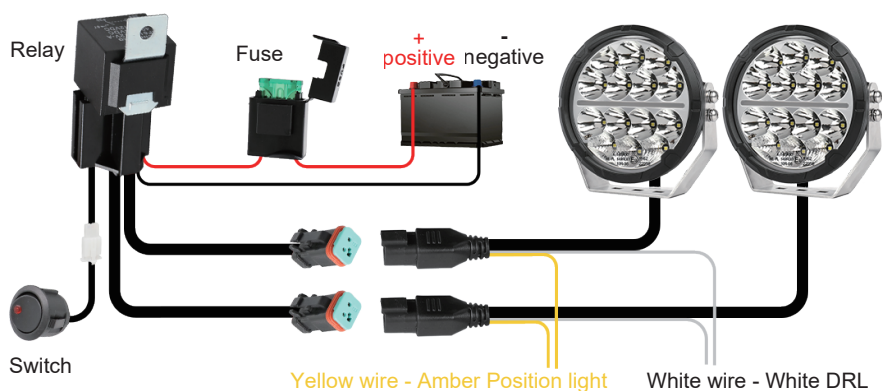
Certification EMARK E9

Connector Identification

Wire	LIGHT OUTPUT	Wiring
DT Connector	Main Driving Beam	To DT-2 Wire Harness
White Wire	White DRL (+12V Trigger)	To Daytime Running Light “+”
Yellow Wire	Yellow DRL (+12V Trigger)	To Position Light “+”

Wiring Diagram & Instructions

How to wire up 2 lights by one switch



Recommended angle

- Keep both lights level.
- Slightly angle inward for maximum distance.
- Avoid aiming above the horizon to prevent glare.

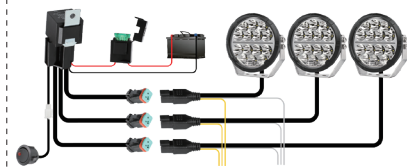
Beam Adjustment

- Park approximately 25 ft (7.6 m) from a wall.
- Turn on the driving beam.
- Adjust vertically until both beams are level.
- Tighten all mounting hardware securely.

Safety Precautions

- Disconnect the battery before installation.
- Do not stare directly into the LEDs.
- Ensure wiring is routed away from hot engine components.
- Avoid pinching wires during installation.
- Tighten all mounting bolts after the first off-road trip.
- Spray high-pressure water directly at the connectors.
- Submerge electrical connectors for extended periods.
- White/Yellow DRL wires are optional. If unused, insulate and secure them properly.

How to wire up 3 lights by one switch



Warranty

- **Duration:** 2-Year Warranty from the date of purchase.
- **Coverage:** Manufacturing defects, LED failure, waterproofing issues.
- **Exclusions:** Damage from misuse, crashes, modifications, or improper installation.



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For any additional assistance or inquiries, feel free to contact
our customer support at ***support@led-colight.com***