



2.5 Inch Bi-LED Projector Grille Lights User Manual



Specifications(Pair)

Power	54W White + 54W Yellow	CCT	6000K White / 3000K Yellow
Voltage	DC 9-32V	Housing Material	Die-Cast Aluminum
LED Chips	3535 Dual-Color LED	Waterproof Rating	IP68
Brightness	11,800 Lumens	Lifespan	50,000 Hours
Beam Pattern	High / Low / Combo Beam	Cable Length	146 cm Built-in Cable

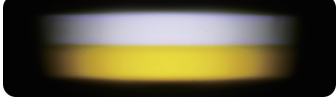
INSTALLATION

1. Choose a suitable mounting location on the grille, bumper, or other auxiliary mounting point.
2. Secure the mounting bracket using the supplied hardware.
3. Adjust the light angle before fully tightening the mounting bolts.
4. Connect the wiring according to your vehicle's electrical system or compatible wiring harness.
5. Turn on the lights and verify all lighting functions before driving.

Warranty

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

Wiring & Beam Modes

CONNECTION	LIGHT OUTPUT	BEAM PATTERN
 BLACK + YELLOW	Yellow Low Beam	
 BLACK + WHITE	White High Beam	
 BLACK + RED	White High Beam + Yellow Low Beam	

Notes:

- Connect the **Black wire** to the vehicle ground (negative). The rest three colored wires are power input wires, not signal trigger wires.
- Direct connection to the factory headlight circuit may cause CANBUS errors, bulb-out warnings, or abnormal operation on some vehicles.

If you want the auxiliary lights to operate together with your vehicle's factory high/low beam, we recommend using a dedicated relay harness or controller.

- Insulate all unused positive wires to prevent short circuits.

OPTIONAL ACCESSORIES (Sold Separately)



① 3-Wire Wiring Harness



Note:

*Using the optional 3-wire harness allows convenient switching, but only **two lighting functions** can be controlled. One of the three light modes will be unavailable.*



② Grille Mounting Bracket
(For 3.9 mm Grille)



③ Grille Mounting Bracket
(For 10 mm Grille)



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