



## Preliminary Steps

1. Read all instructions carefully and study diagrams before installing lights.
2. Check with state and local authorities for laws governing usage and proper mounting of auxiliary lamps.
3. Disconnect ground connection from battery (marked “-“) to avoid accidental short circuits before attempting to connect electrical wires.
4. Route new wires along existing wiring. Tape as necessary to correct slack.
5. When running wires, keep them away from moving parts.

## Wiring Instructions

### 1. Switch Controls:

- 1) High beam: Big red wire connected to positive pole + black wire connected to negative pole.
- 2) White position light: White wire connected to positive pole + black wire connected to negative pole. (While white position light and amber position light are connected at the same time, amber position light will be on as priority.)
- 3) Amber position light: Blue wire connected to positive pole + black wire connected to negative pole. (While white position light and amber position light are connected at the same time, amber position light will be on as priority.)
- 4) Amber warning light: Small red wire connected positive pole + black wire connected to negative pole.

## Cautions:

- Working voltage (DC12V-24V), Voltage range (DC9V-36V).
- This light becomes hot during continuous use. Don't remove the lamp or touch the casing for at least 30 minutes after turning the lamp off.
- Keep heat-sink clean and exposed to maintain air flow.



## 2. Amber warning light flash patterns switching:

- 1) Connect small red wire (+) to positive pole of 9-36V power, black wire (-) to negative pole, amber warning light is on. (Initial default pattern: Single Flash )
- 2) Six different flash patterns: Pattern 1 (Single Flash), Pattern 2 (Double Flash), Pattern 3 (Triple Flash), Pattern 4 (steady burn), Pattern5 (left and right alternately triple flash), Patter6 (left and right alternately single flash).
- 3) Patterns Switching: When the light is on, simultaneously contact small red wire(+) and yellow wire for more than 1 second and less than 4 seconds, and then release to trigger the next flash pattern. Patterns switching keeps cycling in turn.
- 4) Patterns Reset: When the ligh is on, hold small red wire(+) and yellow wire contacting for more than 5 seconds, and then release to reset to Pattern 1.
- 5) Synchronization Function: When there are two lights or above, initially adjust all of them with the same flash pattern, while all of them are lighted up, connect together all their yellow wires for warning lights, then flashing synchronization is realized.

## 3. Wire Functions

- 1) Big Red Wire: Positive pole for high beam
- 2) Blue Wire: Positive pole for amber position light
- 3) Black wire: Negative pole
- 4) Small Red Wire: positive pole for amber warning light
- 5) Yellow Wire: Flash patterns switch
- 6) White Wire: Positive pole for white position light

## Mounting Lights

Lock the U-shape bracket to the rear housing with 4 pcs each M6 screws, M6 flat washers, and M6 spring washers.

