



OPERATING INSTRUCTIONS FOR M3310A AND M3320 STAR-TYPE LED DRIVERS



Please read the following instructions carefully

DESCRIPTION

Designed specifically for high-power star LEDs. Provides a constant current ensuring proper operation and long term reliability. Epoxy encapsulated. Easy inline 4-wire connections.

FEATURES:

Supplies constant current; Small package, UL-94 non-conductive case

APPLICATION:

LED room light; LED outwall light; Powered by car batteries.

SPECIFICATIONS:

M 3310A (M2-L6-035D9-30 Plus) 1W Star type LED driver - Will power up to 6 x 1W LEDs.

Max LED wattage: 1W

Max LEDs: 6

Constant current: 350mA $\pm 5\%$

Input voltage: 9-30V DC

Output voltage: 3.3-24V DC

Dimensions: 36H x 51W x 25D mm

Operating temperature: -20 to 60 C

M 3320 (M1-LL3-070DR) 3W Star type LED driver - Will power up to 3 x 3W LEDs.

Max LED wattage: 3W

Max LEDs: 3

Constant current: 700mA $\pm 5\%$

Input voltage: 12-15V DC

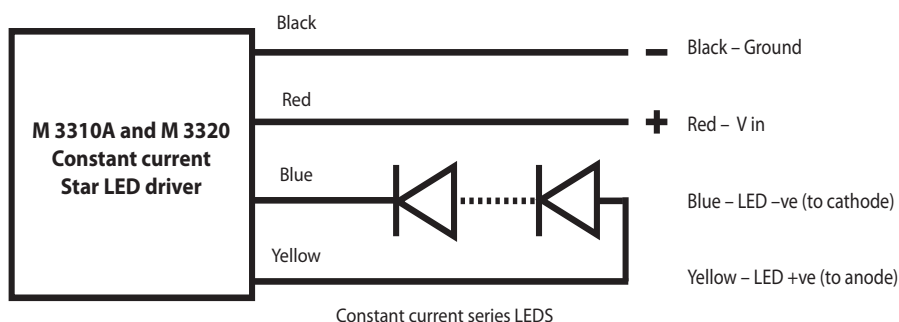
Output voltage: 3.3-10.2V DC

Dimensions: 33H x 45W x 23D mm

Operating temperature: -20 to 60 C

IMPORTANT NOTE: The power to the circuit **MUST BE OFF** when connecting the LED. Failure to observe this may result in failure of the LED.

FIGURE 1: DIAGRAM SHOWING WIRE COLOURS AND CONNECTIONS



* Coloured wires are all 150mm minimum length