

# Brillite 3" Single Color Light Head

## WS82 & WS83 series

### FEATURES

**Operation Voltage**  
10-30VDC

**LEDs**  
4pcs 4 watt

**Lens**  
Clear Polycarbonate

**Housing**  
Die-cast Aluminum

**Mounting Type**  
Screw: 2pcs ST3.5\*16

**Waterproof**  
IP67

**Operating Temperature**  
-40°C ~ +65 °C

**Storage Temperature**  
-20°C ~ +65 °C

**Weight**  
95g

**Package**  
Box: 57\*57\*62mm  
Carton: 290\*190\*290mm  
75 pcs/carton

**Cable Length**  
0.2m

**Approval**  
TBC



### Horizontal installation

**WS83100** 

**WS83200** 

**WS83300** 

**WS83500** 

**WS83600** 



### Vertical installation

**WS82100** 

**WS82200** 

**WS82300** 

**WS82500** 

**WS82600** 

Brillite introduces energy efficient lighting with LED technology in our multi-volt LED light head warning lamps.

This LED light head incorporates a long-life LED light source. Using a dedicated LED driver with pulse width modulation constant current supply combines to produce a long lasting, low power consumption and environmentally friendly LED lamp.

All models are suitable for various types of vehicles.

# BRILLITE

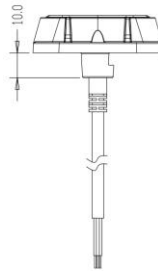
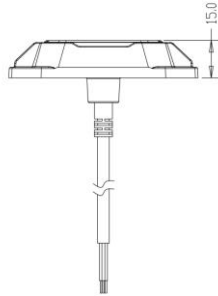
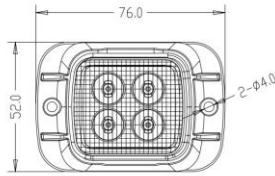
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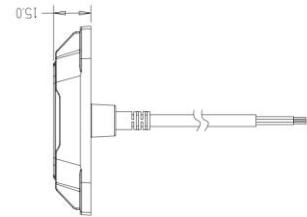
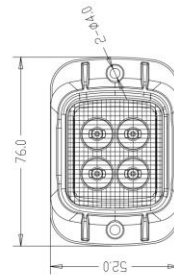
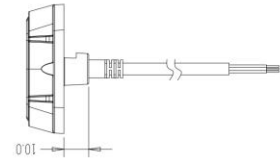
Oct 2022

# Dimension

WS83 series drawing



WS82 series drawing



# Wiring Guide

- Red: Positive (+)
- Black: Negative (-)
- Yellow: Pattern switch & Synchronous & 10% cruise
- White: Asynchronous
- Blue: Dimmer

## **Pattern Switch & 10% cruise**

Momentarily apply yellow wire to positive wire less than 3 second, once for next pattern, if it is longer than 3 seconds, then will not change pattern.

Hold the yellow wire to positive to keep in 10% cruise mode.

## **Synchronous operation wiring:**

Set all lights to the same flash pattern, connect yellow wires together, then power on.

## **Asynchronous operation wiring:**

Set all lights to the same flash pattern, connect yellow wires together, then power on. Connect white wire to positive from the one you wish to alternate, and lights will flash alternately.

## **Dimmer operation:**

Apply blue wire to positive to dim the lamp at any flashing pattern.

# BRILLITE

# Flashing Mode

Pattern	Flashing Mode	FPM
1	Single flash, ECE R65 Class 2 (by day)	150
2	Double Flash	150
3	Quadruple Flash	150
4	Quintuple Flash	150
5	Strobe	1500
6	Combination 1	/
7	Combination 2	/
8	Single Flash, California Title 13	75
9	Combination 3	/
10	Alternate Single Flash	300
11	Alternate Double Flash	300
12	Alternate Quadruple Flash	300
13	Alternate Quintuple Flash	300
14	Alternate Strobe	35
15	Combination 4	/
16	Combination 5	/
17	Combination 6	/
18	Left Double Flash/Right Single Flash	/
19	Cruise (30% brightness by day)	/

\*Once blue wire (dimmer switch) connected to positive: FP#1 will be changed to: Single flash, ECE R65 Class 1 (by night); FP#2~19 will be 50% light output.

