

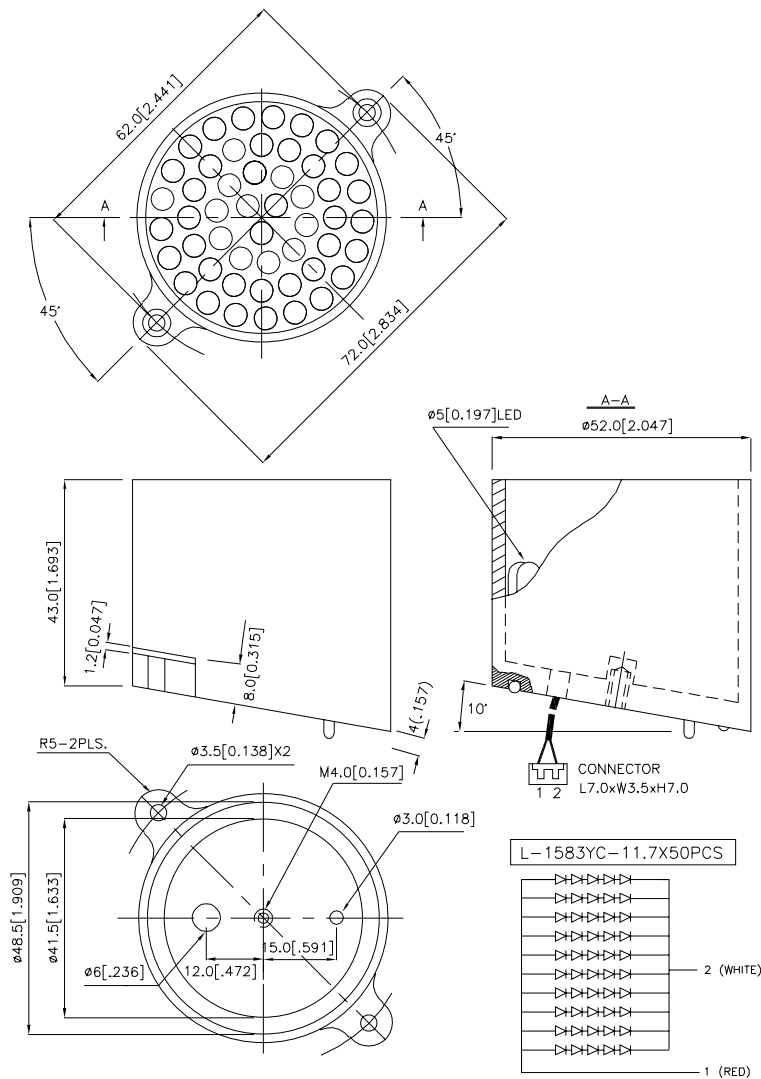
### Features

- WATERPROOF CONSTRUCTION.
- SUITABLE FOR OUTDOOR APPLICATIONS, SIGNBOARD OR MESSAGE BOARD, ETC.
- RoHS COMPLIANT.

### Description

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

### Package Dimensions



#### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.
3. Specifications are subjected to change without notice.



## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

Symbol	Parameter	Device	Color	Min	Typ.	Max.	Units	Test Conditions
I <sub>v</sub>	Luminous Intensity	BL0307-50-45	Super Bright Yellow	1200	1900	-	mcd	I <sub>F</sub> =200mA
2θ1/2	Viewing Angle		Super Bright Yellow	-	40	-	deg	-
V <sub>F</sub>	Forward Voltage		Super Bright Yellow	-	10.5	12.5	V	I <sub>F</sub> =200mA
λ <sub>peak</sub>	Peak Wavelength		Super Bright Yellow	-	590	-	nm	I <sub>F</sub> =200mA
λ <sub>D</sub>	Dominant Wave-length		Super Bright Yellow	-	588	-	nm	I <sub>F</sub> =200mA
Δλ <sub>1/2</sub>	Spectral Line Half-width		Super Bright Yellow	-	35	-	nm	I <sub>F</sub> =200mA
I <sub>R</sub>	Reverse Current		Super Bright Yellow	-	-	100	uA	V <sub>R</sub> = 5V

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	Type	Units
Power dissipation	2150	mW
DC Forward Current	200	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	