

Part Number: BL0307-50-44

Super Bright Red

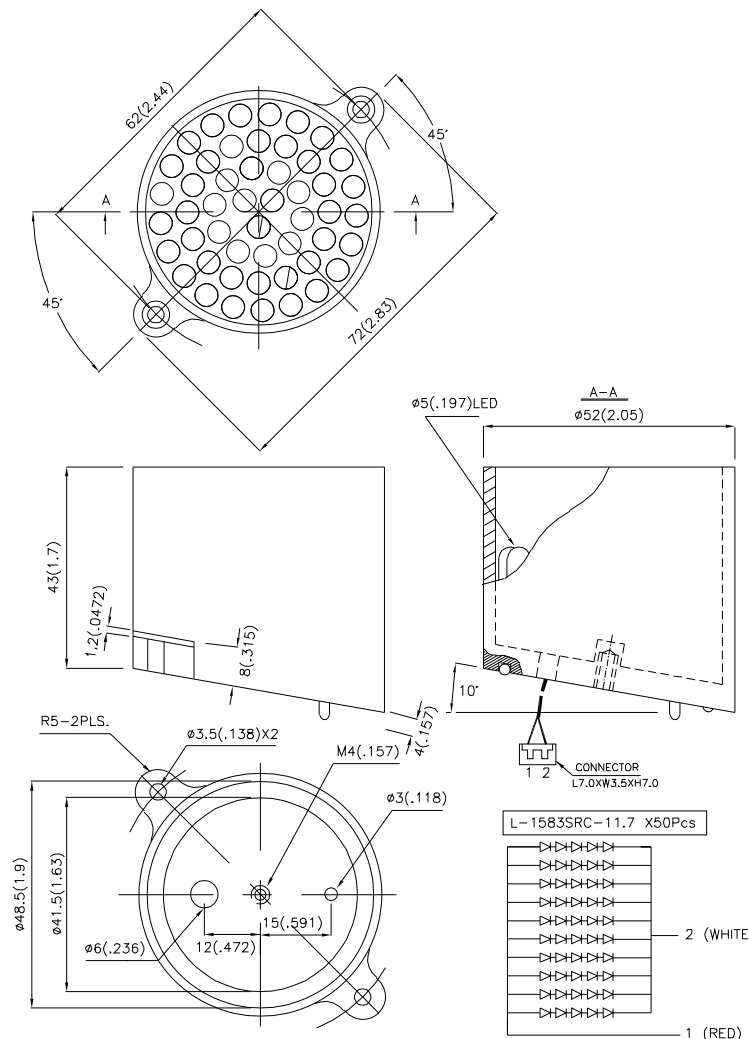
### Features

- Waterproof construction.
- Suitable for outdoor applications, signboard or message board, etc.
- RoHs compliant.

### Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red 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. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



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

Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
I <sub>V</sub>	Luminous Intensity	BL0307-50-44	15000	30000	-	mcd	I <sub>F</sub> =200mA
2θ <sub>1/2</sub>	Viewing Angle		-	40	-	deg	-
V <sub>F</sub>	Forward Voltage		-	9.3	12.5	V	I <sub>F</sub> =200mA
λ <sub>peak</sub>	Peak Wavelength		-	660	-	nm	I <sub>F</sub> =200mA
λ <sub>D</sub>	Dominant Wavelength		-	640	-	nm	I <sub>F</sub> =200mA
Δλ <sub>1/2</sub>	Spectral Line Half-width		-	20	-	nm	I <sub>F</sub> =200mA
I <sub>R</sub>	Reverse Current		-	-	100	uA	V <sub>R</sub> = 5V

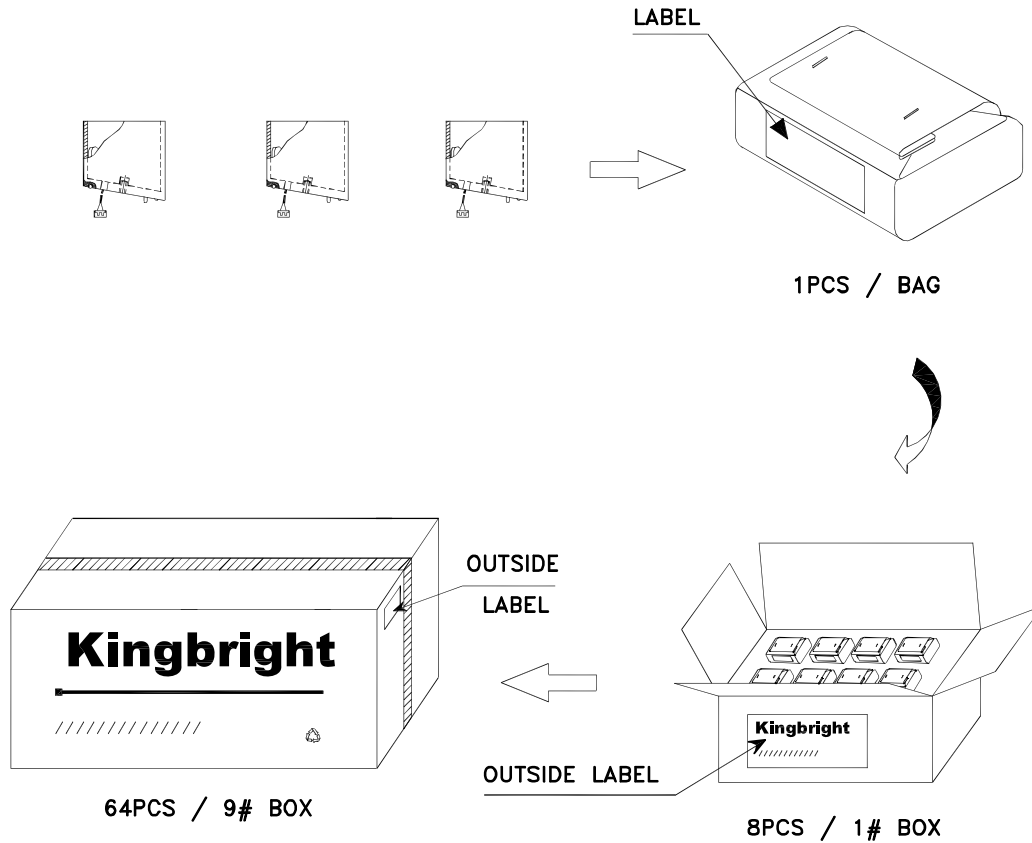
## Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	Type	Units
Power dissipation	3750	mW
DC Forward Current	300	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	

# Kingbright

PACKING & LABEL SPECIFICATIONS

BL0307-50-44



<h2 style="margin: 0;">Kingbright</h2>		
P/NO: BL0307-50xxx		
QTY: 1pcs	Q.C.	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center; font-size: 8px; margin-bottom: 2px;">Q C</div> <div style="text-align: center; font-size: 8px; margin-bottom: 2px;">XX XX XXXX</div> <div style="text-align: center; font-size: 8px; margin-bottom: 2px;">PASSED</div> </div>
S/N: XXXX		
CODE: XXX		
LOT NO:		
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RoHS Compliant		