

Part Number: BL0307-50-374

Super Bright Yellow

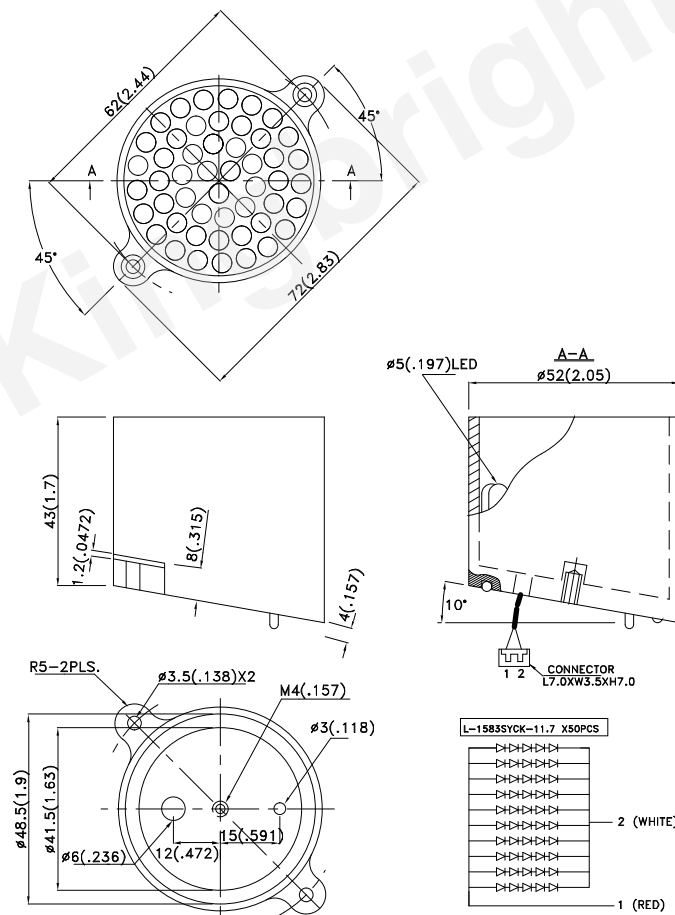
### Description

The Super Bright Yellow device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

## Features

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

## 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	BL0307-50-374	45000	75000	-	mcd	I <sub>F</sub> =200mA
2 θ <sub>1/2</sub>	Viewing Angle		-	40	-	deg	-
V <sub>F</sub>	Forward Voltage		-	10	12.5	V	I <sub>F</sub> =200mA
λ <sub>peak</sub>	Peak Wavelength		-	590	-	nm	I <sub>F</sub> =200mA
λ <sub>D</sub>	Dominant Wavelength		-	590	-	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

### Notes:

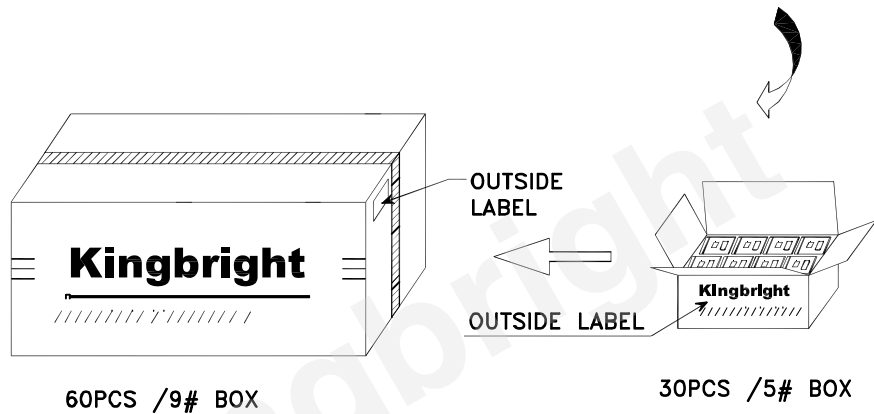
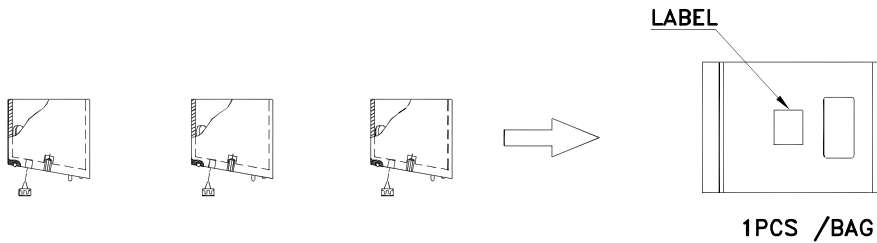
1. Luminous intensity value is traceable to the CIE127-2007 compliant national standards.
2. Wavelength value is traceable to the CIE127-2007 compliant national standards.


## 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	

## PACKING & LABEL SPECIFICATIONS

BL0307-50-374



<b>Kingbright</b>							
P/NO: BL0307-50xxx							
QTY: 1 pcs	Q.C. <table border="1"><tr><td>Q</td><td>C</td></tr><tr><td>XX</td><td>XX</td></tr><tr><td colspan="2">PASSED</td></tr></table>	Q	C	XX	XX	PASSED	
Q	C						
XX	XX						
PASSED							
S/N: XXXX							
CODE: XXX							
LOT NO:							
							
RoHS Compliant							

Detailed application notes are listed on our website.  
[http://www.kingbright.com/application\\_notes](http://www.kingbright.com/application_notes)