

Part Number: BL0307-50-374

Super Bright Yellow

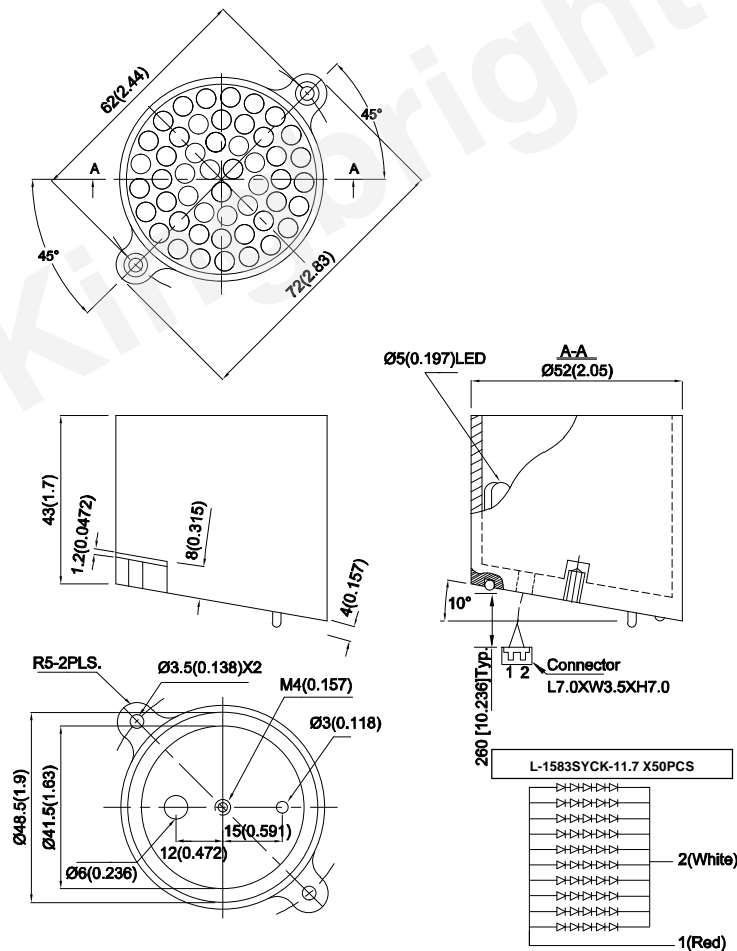
Features

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

Description

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

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_A=25°C

Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
I _V	Luminous Intensity	BL0307-50-374	45000	75000	-	mcd	I _F =200mA
2 θ _{1/2}	Viewing Angle		-	40	-	deg	-
V _F	Forward Voltage		-	10	12.5	V	I _F =200mA
λ _{peak}	Peak Wavelength		-	590	-	nm	I _F =200mA
λ _D	Dominant Wavelength		-	590	-	nm	I _F =200mA
Δλ _{1/2}	Spectral Line Half-width		-	20	-	nm	I _F =200mA
I _R	Reverse Current		-	-	100	uA	V _R = 5V

Notes:

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

Absolute Maximum Ratings at T_A=25°C

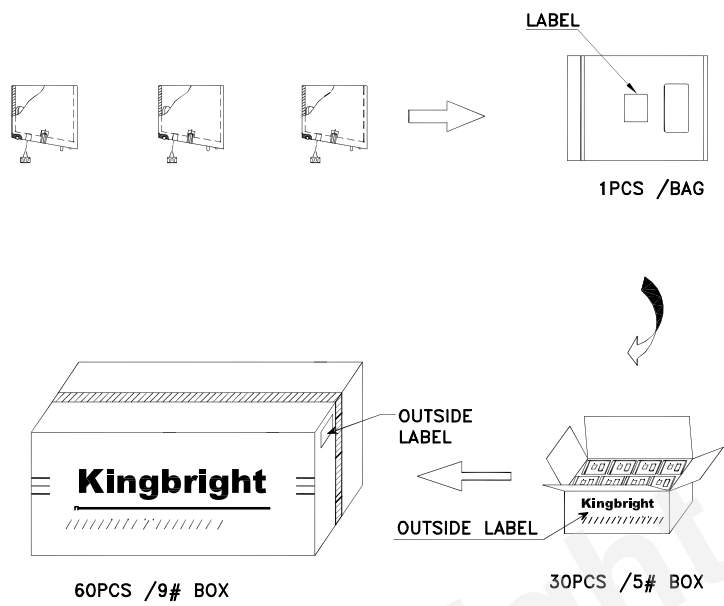
Parameter	Values	Units
Power dissipation	3750	mW
DC Forward Current	300	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	


Note:

1. Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity – Ref JEDEC/JESD625-A and JEDEC/J-STD-033.

PACKING & LABEL SPECIFICATIONS

BL0307-50-374



Kingbright	
P/NO: BL0307-50xxx	
QTY: 1 pcs	Q.C. <div>Q C XX XX XX PASSED</div>
S/N: XXXX	
CODE: XXX	
LOT NO:	
	
RoHS Compliant	