

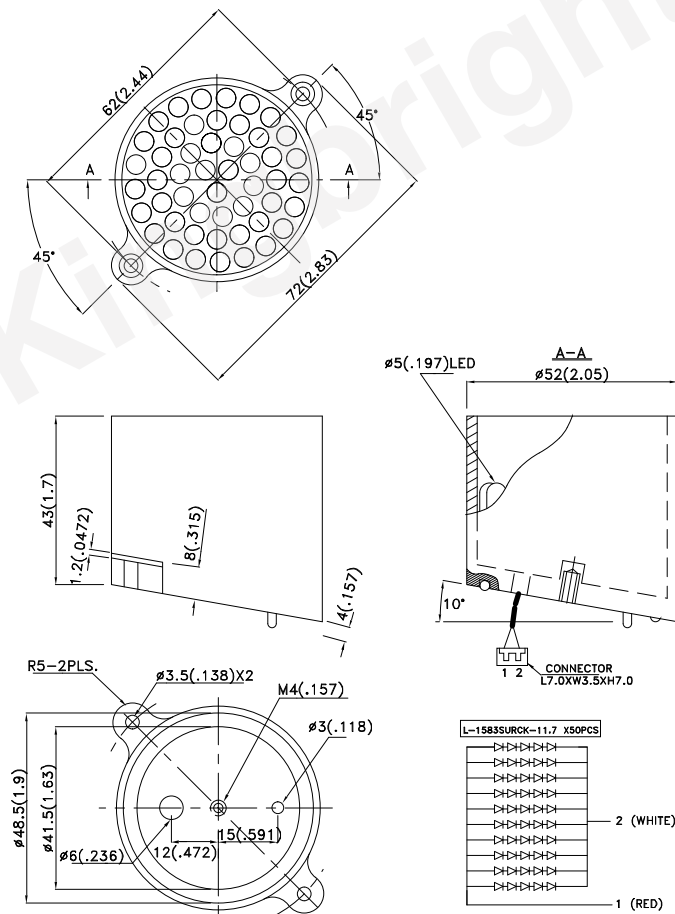
### Features

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

### Description

The Hyper Red source color devices are made with Al-GaInP on GaAs substrate 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 TA=25°C

Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
Iv	Luminous Intensity	BL0307-50-433	35000	75000	-	mcd	If=200mA
			*12300	*23000			
2θ1/2	Viewing Angle		-	40	-	deg	-
VF	Forward Voltage		-	9.75	12.5	V	If=200mA
λ peak	Peak Wavelength		-	645	-	nm	If=200mA
λ D	Dominant Wavelength		-	630	-	nm	If=200mA
Δλ 1/2	Spectral Line Half-width		-	28	-	nm	If=200mA
IR	Reverse Current		-	-	100	uA	VR = 5V

### Notes:

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

## Absolute Maximum Ratings at TA=25°C

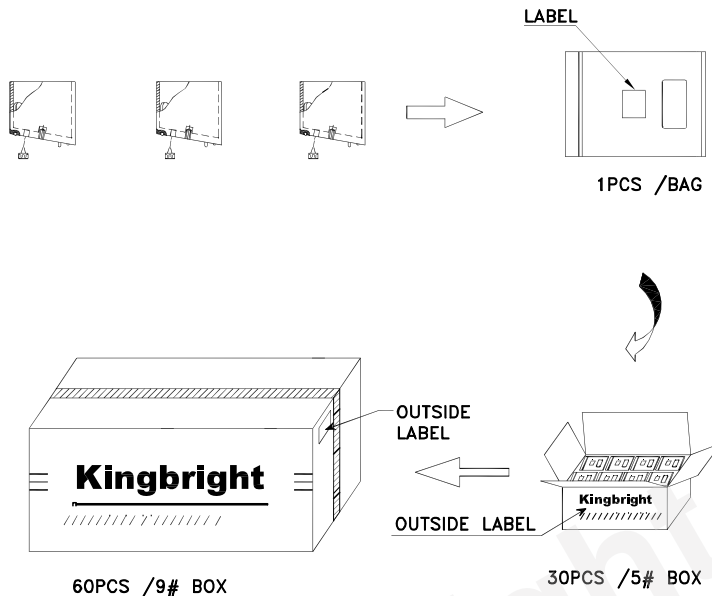
Parameter	Values	Units
Power dissipation	3750	mW
DC Forward Current	300	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	


### 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

BL0307-50-433



<b>Kingbright</b>	
P/NO: BL0307-50xxx	
QTY: 1 pcs	Q.C. <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Q C XX-XX-XX PASSED</span>
S/N: XXXX	
CODE: XXX	
LOT NO:	
	
RoHS Compliant	

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1. The information included in this document reflects representative usage scenarios and is intended for technical reference only.
2. The part number, type, and specifications mentioned in this document are subject to future change and improvement without notice. Before production usage customer should refer to the latest datasheet for the updated specifications.
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