

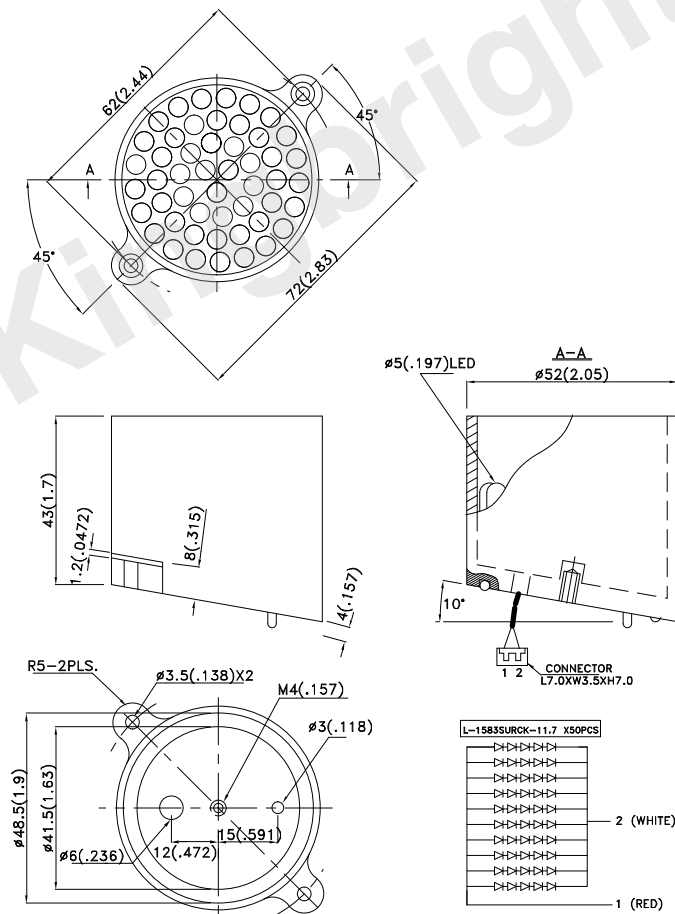
Features

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

Description

The Hyper Red source color devices are made with Al-GaN 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 T_A=25°C

Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
I _V	Luminous Intensity	BL0307-50-433	35000	75000	-	mcd	I _F =200mA
			*12300	*23000			
2 θ _{1/2}	Viewing Angle		-	40	-	deg	-
V _F	Forward Voltage		-	9.75	12.5	V	I _F =200mA
λ _{peak}	Peak Wavelength		-	645	-	nm	I _F =200mA
λ _D	Dominant Wavelength		-	630	-	nm	I _F =200mA
Δλ _{1/2}	Spectral Line Half-width		-	28	-	nm	I _F =200mA
I _R	Reverse Current		-	-	100	uA	V _R = 5V

Notes:

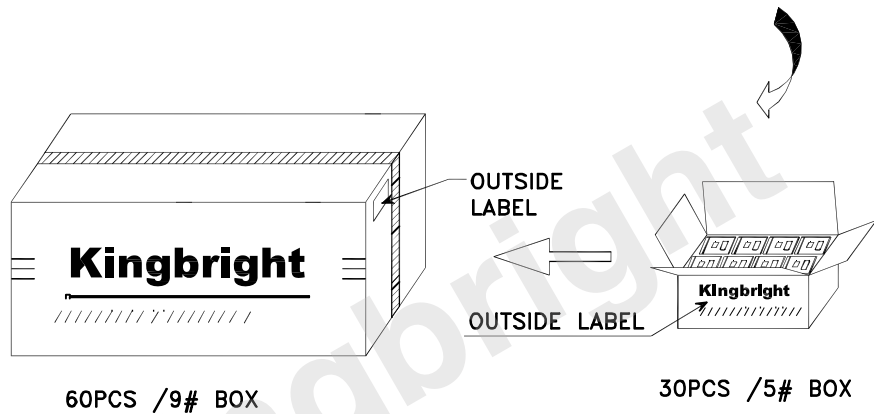
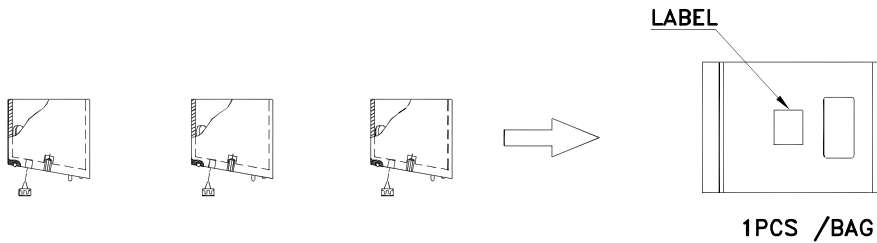
1. *Luminous intensity value is traceable to the CIE127-2007 compliant national standards.
2. Wavelength value is traceable to the CIE127-2007 compliant national standards.


Absolute Maximum Ratings at T_A=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

BL0307-50-433



Kingbright							
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 XX</td></tr><tr><td colspan="2">PASSED</td></tr></table>	Q	C	XX	XX XX	PASSED	
Q	C						
XX	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