

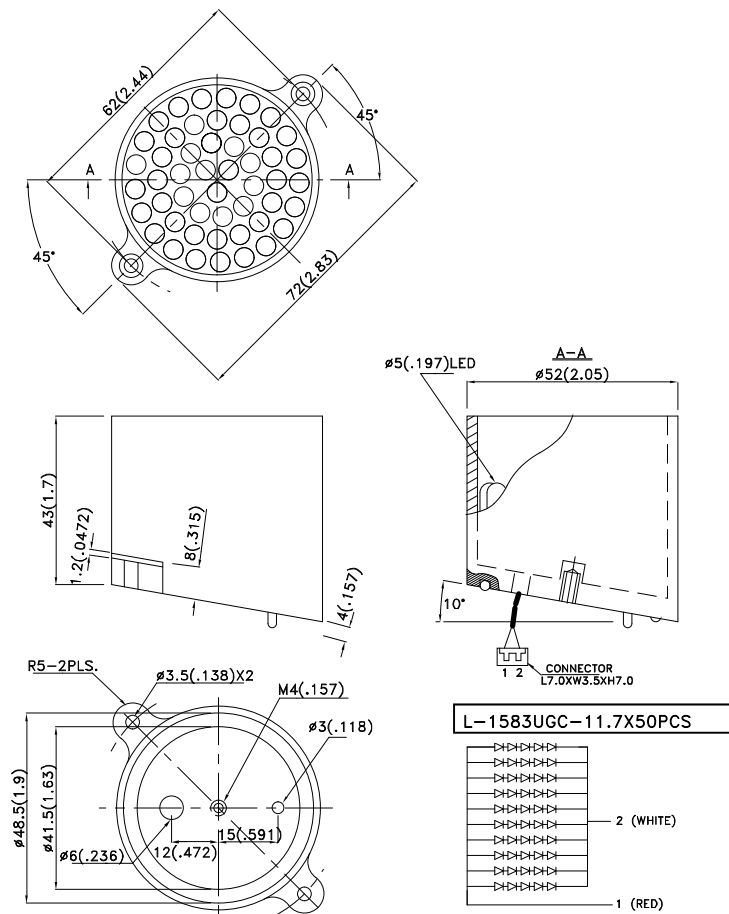
### Features

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

### Description

The Hyper Green source color devices are made with Gallium Phosphide Green 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	Color	Min.	Typ.	Max.	Units	Test Conditions
I <sub>v</sub>	Luminous Intensity	BL0307-50-46	Hyper Green	5000	10000	-	mcd	I <sub>F</sub> =200mA
2 θ <sub>1/2</sub>	Viewing Angle		Hyper Green	-	40	-	deg	-
V <sub>F</sub>	Forward Voltage		Hyper Green	-	11	12.5	V	I <sub>F</sub> =200mA
λ <sub>peak</sub>	Peak Wavelength		Hyper Green	-	562	-	nm	I <sub>F</sub> =200mA
λ <sub>D</sub>	Dominant Wavelength		Hyper Green	-	568	-	nm	I <sub>F</sub> =200mA
Δλ <sub>1/2</sub>	Spectral Line Half-width		Hyper Green	-	30	-	nm	I <sub>F</sub> =200mA
I <sub>R</sub>	Reverse Current		Hyper Green	-	-	100	uA	V <sub>R</sub> = 5V

Note:

1. Luminous intensity value and Wavelength value are traceable to the CIE127-2007 compliant national standards.

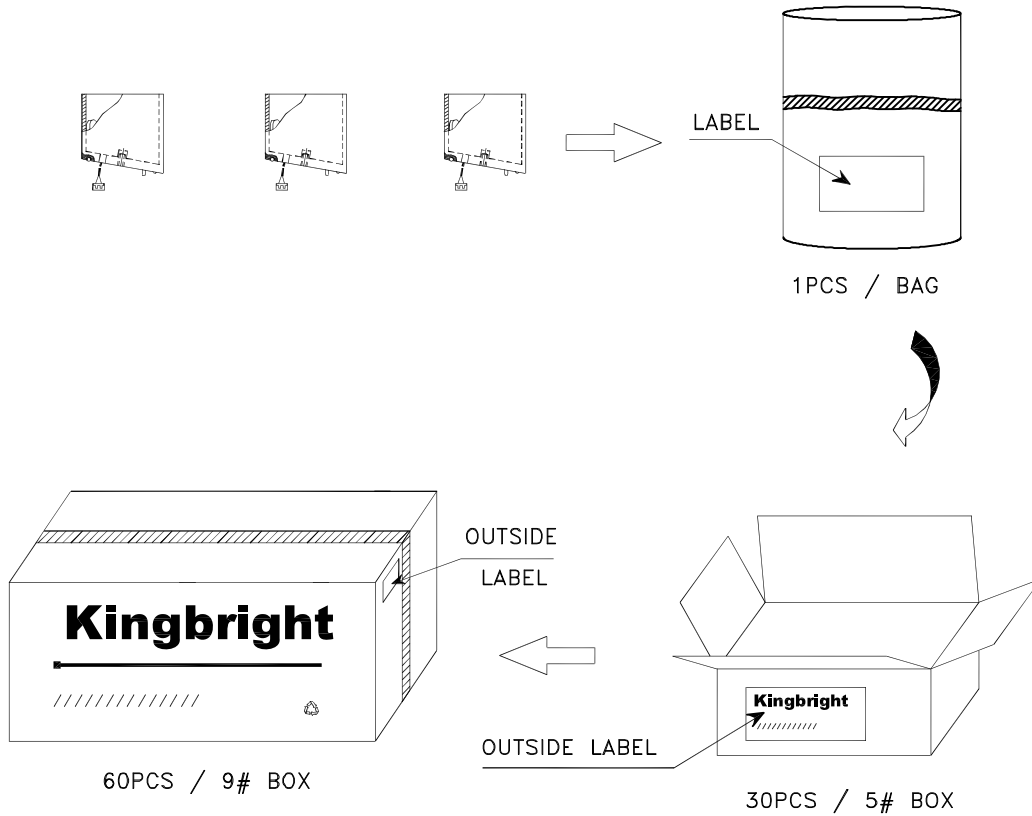
## Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	Type	Units
Power dissipation	3125	mW
DC Forward Current	250	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	

# Kingbright

## PACKING & LABEL SPECIFICATIONS

BL0307-50-46



<h1 style="margin: 0;">Kingbright</h1>					
P/NO: BL0307-50xxx					
QTY: 1pcs	Q.C.	<table border="1" style="margin: 0 auto;"> <tr> <td style="padding: 2px;">Q C</td> </tr> <tr> <td style="padding: 2px;">XX XX XXXX</td> </tr> <tr> <td style="padding: 2px;">PASSED</td> </tr> </table>	Q C	XX XX XXXX	PASSED
Q C					
XX XX XXXX					
PASSED					
S/N: XXXX					
CODE: XXX					
LOT NO:					
XXXXXXXXXXXXXXXXXX					
RoHS Compliant					

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