

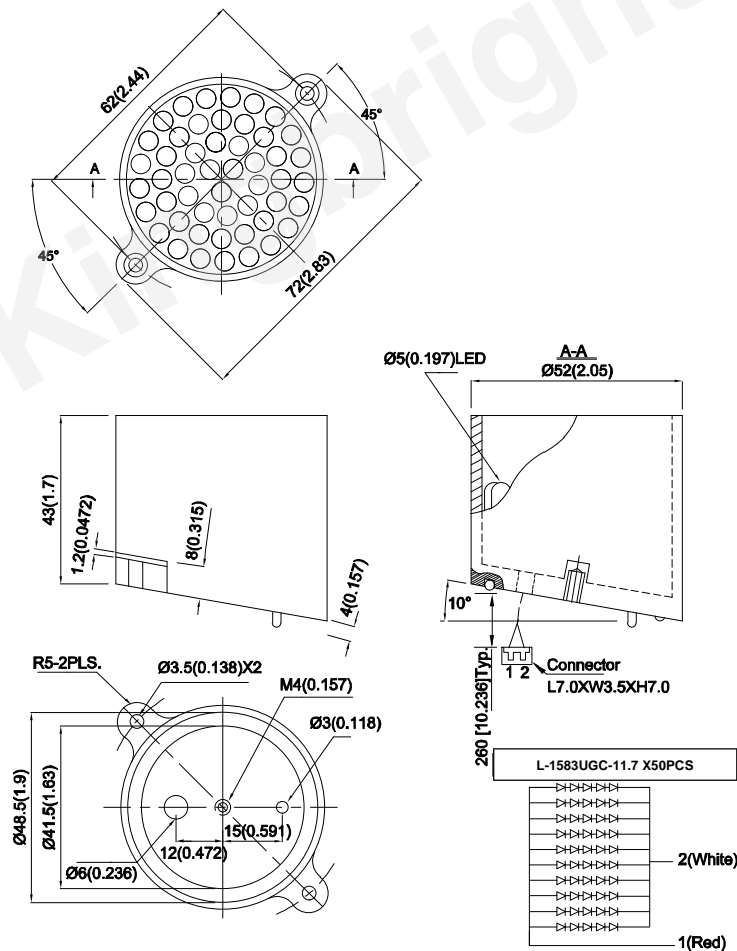
Features

- 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_A=25°C

Symbol	Parameter	Device	Color	Min.	Typ.	Max.	Units	Test Conditions
I _V	Luminous Intensity	BL0307-50-46	Hyper Green	5000	10000	-	mcd	I _F =200mA
2 θ _{1/2}	Viewing Angle		Hyper Green	-	40	-	deg	-
V _F	Forward Voltage		Hyper Green	-	11	12.5	V	I _F =200mA
λ _{peak}	Peak Wavelength		Hyper Green	-	562	-	nm	I _F =200mA
λ _D	Dominant Wavelength		Hyper Green	-	568	-	nm	I _F =200mA
Δλ _{1/2}	Spectral Line Half-width		Hyper Green	-	30	-	nm	I _F =200mA
I _R	Reverse Current		Hyper Green	-	-	100	uA	V _R = 5V

Note:

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

Absolute Maximum Ratings at T_A=25°C

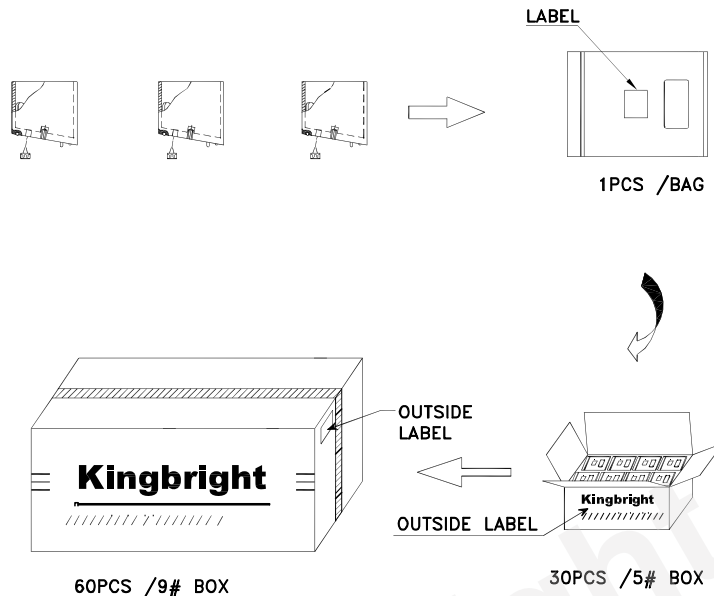
Parameter	Values	Units
Power dissipation	3125	mW
DC Forward Current	250	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	


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

BL0307-50-46



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

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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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