

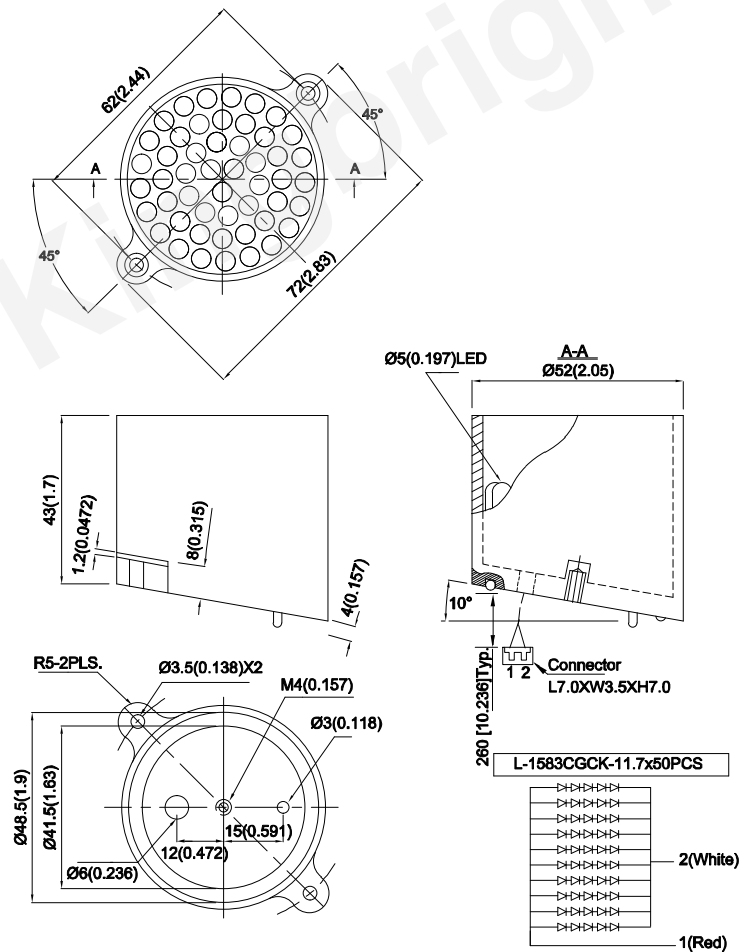
Features

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

Description

The Green source color devices are made with InGaAlP 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 | BL0307-50-360 | 15000 | 25000 | - | mcd | I _F =200mA |
| 2θ1/2 | Viewing Angle | | - | 40 | - | deg | - |
| V _F | Forward Voltage | | - | 10.5 | 12.5 | V | I _F =200mA |
| λ _{peak} | Peak Wavelength | | - | 574 | - | nm | I _F =200mA |
| λ _D | Dominant Wavelength | | - | 570 | - | 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

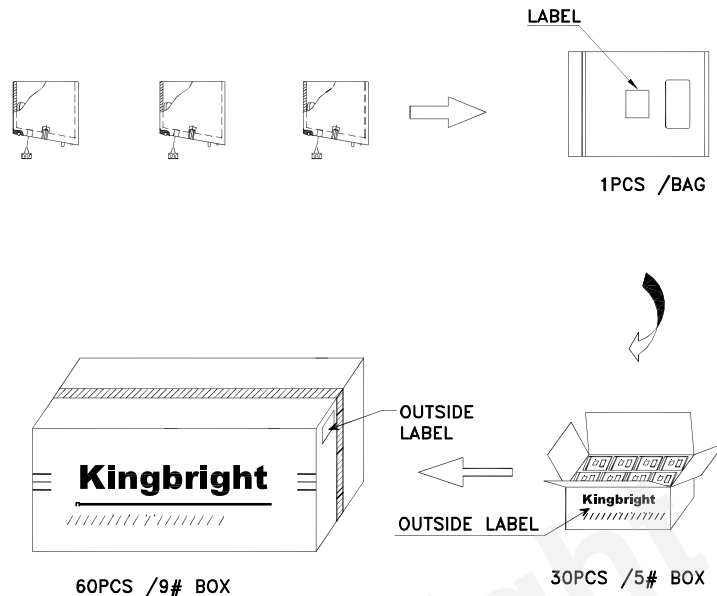
| Parameter | Values | Units |
|-----------------------|----------------|-------|
| Power dissipation | 3750 | mW |
| DC Forward Current | 300 | mA |
| Reverse Voltage | 5 | V |
| Operating Temperature | -40°C To +70°C | |
| Storage Temperature | -40°C To +85°C | |


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

BL0307-50-360



| | |
|--|--|
| Kingbright | |
| P/N0: 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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