

PRELIMINARY SPEC

Part Number: BL0307-50-223

Blue



**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

### Features

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

### Description

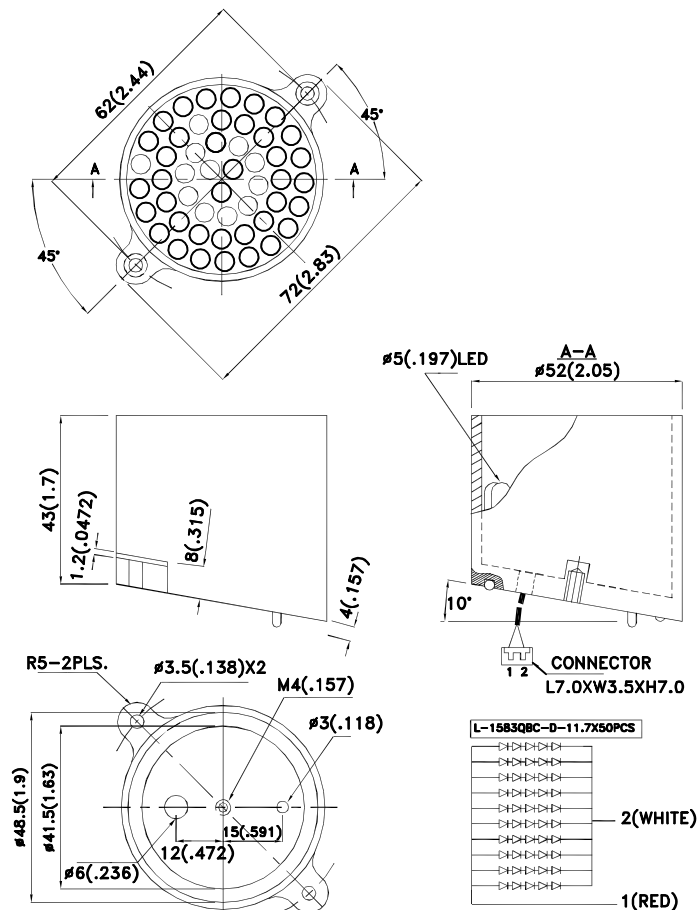
The Blue source color devices are made with InGaN Light Emitting Diode.

Static electricity and surge damage the LEDs.

It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

### Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.
3. Specifications are subjected to change without 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	BL0307-50-223	Blue	16000	25000	-	mcd	I <sub>F</sub> =200mA
2θ 1/2	Viewing Angle		Blue	-	40	-	deg	-
V <sub>F</sub>	Forward Voltage		Blue	-	16.5	20	V	I <sub>F</sub> =200mA
λ <sub>peak</sub>	Peak Wavelength		Blue	-	468	-	nm	I <sub>F</sub> =200mA
λ <sub>D</sub>	Dominant Wave-length		Blue	-	470	-	nm	I <sub>F</sub> =200mA
Δλ 1/2	Spectral Line Half-width		Blue	-	25	-	nm	I <sub>F</sub> =200mA
I <sub>R</sub>	Reverse Current		Blue	-	-	100	uA	V <sub>R</sub> = 5V

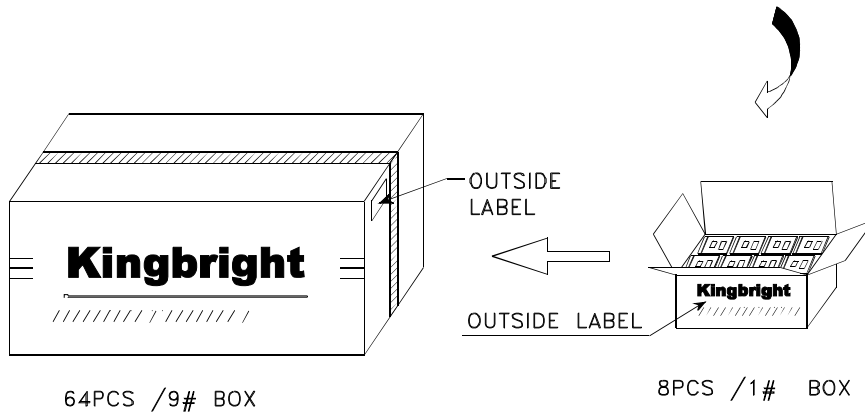
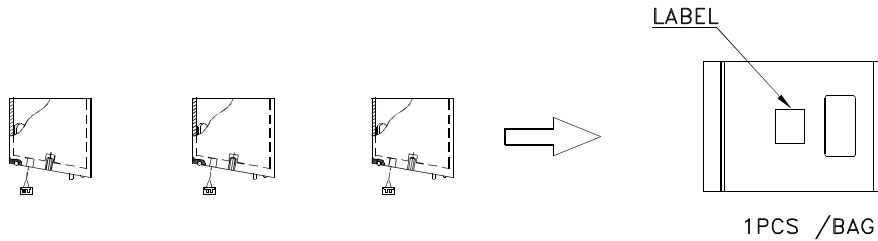
## Absolute Maximum Ratings at T<sub>A</sub>=25°C


Parameter	Type	Units
Power dissipation	6000	mW
DC Forward Current	300	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	

# Kingbright

## PACKING & LABEL SPECIFICATIONS

BL0307-50-223



<h1>Kingbright</h1>	
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:	
 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	
RoHS Compliant	