Kingbright

6mm FLANGE BASED LED LAMP

ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

BLFA062PBC-6V-P BLUE

PRELIMINARY SPEC

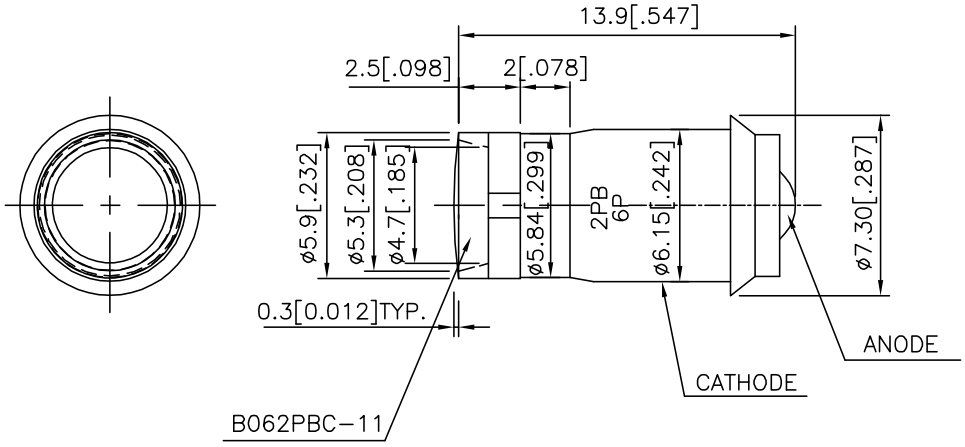
Features

- ●BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- ●LONG LIFE.
- ●DIFFERENT COLOR AVAILABLE.
- ●LOW MAINTENANCE.
- ●SOLID STATE, HIGH VIBRATION RESISTANT.
- ●6V INTERNAL RESISTOR.
- ●RoHS COMPLIANT.

Description

The Blue source color devices are made with InGaN on SiC 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 ±0.25(0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

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Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V=6V		Viewing Angle
			Min.	Typ.	2 θ 1/2
BLFA062PBC-6V-P	BLUE (InGaN)	WATER CLEAR	70	170	110°

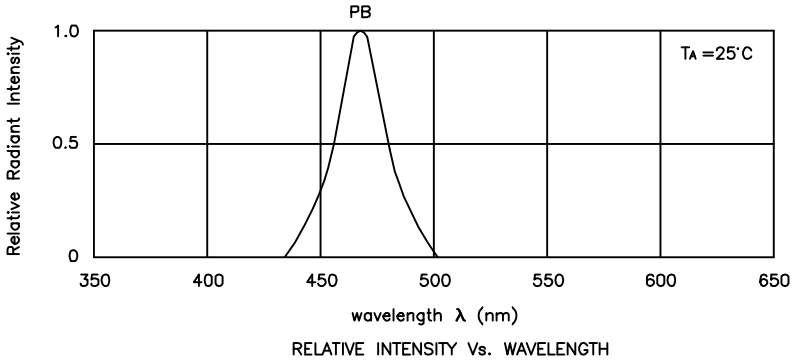
Note:
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	468		nm	V_F=6V
λD	Dominant Wavelength	Blue	470		nm	V_F=6V
Δλ1/2	Spectral Line Half-width	Blue	25		nm	V_F=6V
I_F	Forward Current	Blue	40		mA	V_F=6V
I_R	Reverse Current	Blue		20	uA	V_R = 5V

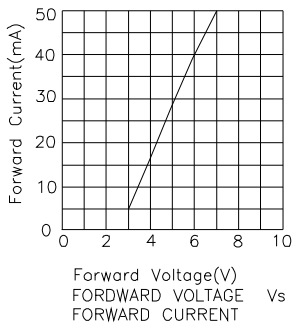
Absolute Maximum Ratings at T_A=25°C

Parameter	Blue	Units
Power dissipation	350	mW
Forward Voltage	7	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	

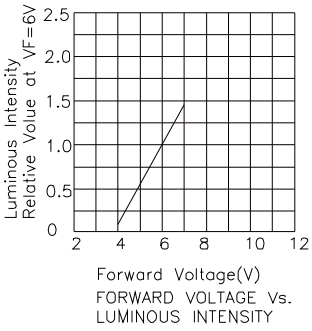


RELATIVE INTENSITY Vs. WAVELENGTH

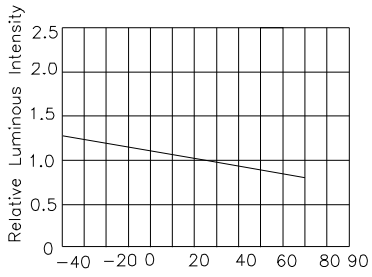
Blue **BLFA062PBC-6V-P**



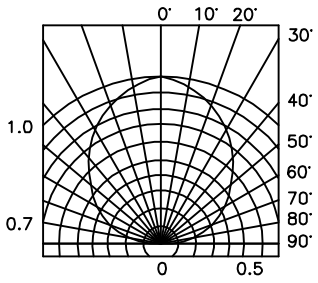
FORDWARD VOLTAGE Vs
FORWARD CURRENT



FORWARD VOLTAGE Vs.
LUMINOUS INTENSITY



LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE



SPATIAL DISTRIBUTION