

### PRELIMINARY SPEC

Part Number: BLFA054PBC-A-6V-P      Blue



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

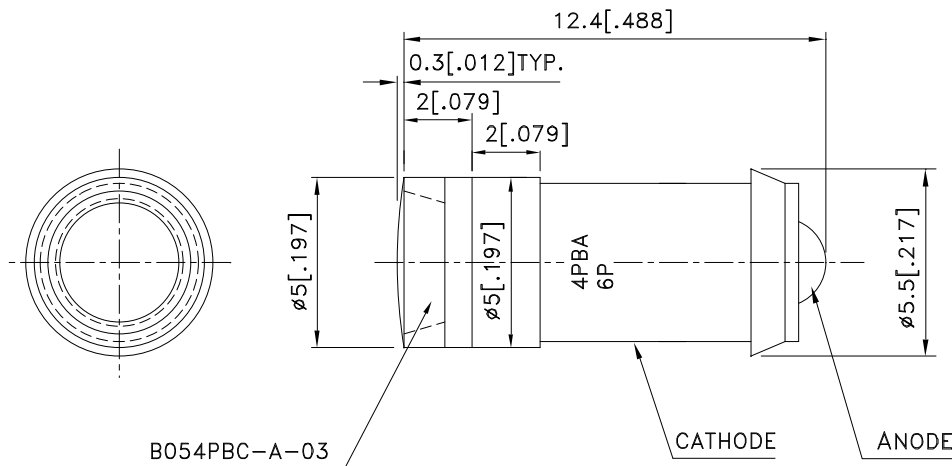
### Features

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW MAINTENANCE.
- DIFFERENT COLOR AVAILABLE.
- 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  $\pm 0.25(0.01)$  unless otherwise noted.
3. Specifications are subject to change without notice.



## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V= 6V		Viewing Angle
			Min.	Typ.	2θ1/2
BLFA054PBC-A-6V-P	Blue (InGaN)	WATER CLEAR	110	300	110°

Note:

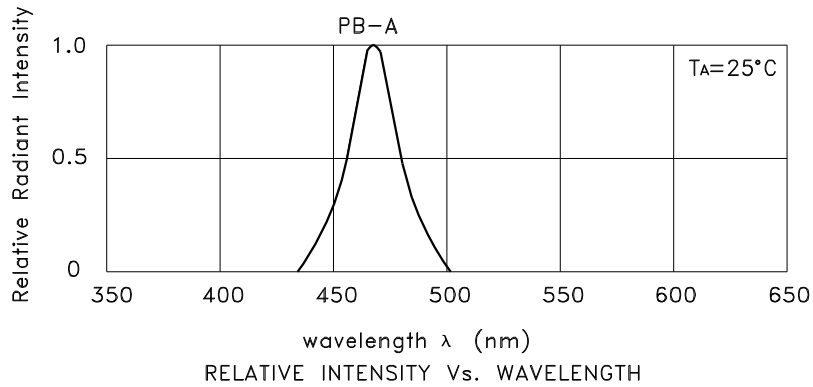
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

## Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
$\lambda_{peak}$	Peak Wavelength	Blue	468		nm	V <sub>F</sub> =6V
$\lambda_D$	Dominant Wavelength	Blue	470		nm	V <sub>F</sub> =6V
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Blue	21		nm	V <sub>F</sub> =6V
I <sub>F</sub>	Forward Current	Blue	34	42	mA	V <sub>F</sub> =6V
I <sub>R</sub>	Reverse Current	Blue		10	uA	V <sub>R</sub> = 5V

## Absolute Maximum Ratings at TA=25°C

Parameter	Blue	Units
Power dissipation	294	mW
Forward Voltage	7	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	



## Blue

### BLFA054PBC-A-6V-P

