



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

BLS101PBC-6V-P

BLUE

### PRELIMINARY SPEC

#### Features

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

#### Description

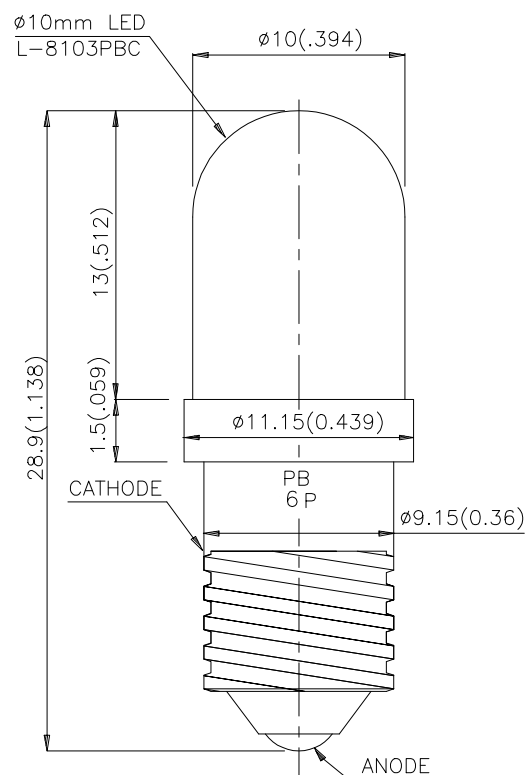
The Blue source color devices are made with InGaN on SiC Light Emitting Diode.

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.	2 $\theta$ 1/2
BLS101PBC-6V-P	BLUE (InGaN)	WATER CLEAR	650	1200	20°

Note:

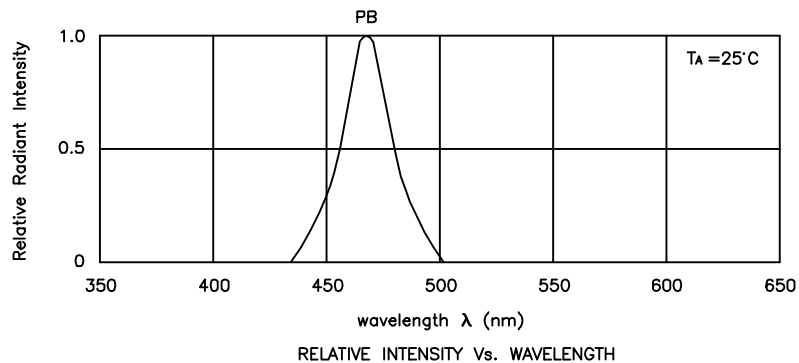
1.  $\theta$ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

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

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
$\lambda_{peak}$	Peak Wavelength	Blue	468		nm	VF=6V
$\lambda_D$	Dominant Wavelength	Blue	470		nm	VF=6V
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Blue	25		nm	VF=6V
IF	Forward Current	Blue	18		mA	VF=6V
IR	Reverse Current	Blue		10	uA	VR = 5V

## Absolute Maximum Ratings at TA=25°C

Parameter	Blue	Units
Power dissipation	140	mW
Forward Voltage	7	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	



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