

Part Number: BLB101SYC-12V-P

Super Bright Yellow

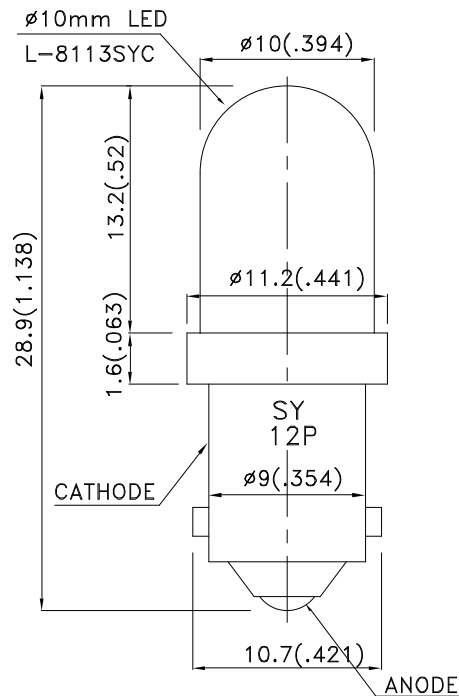
Features

- 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.
- 12V internal resistor
- RoHS compliant.

Description

The Super Bright Yellow device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

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.



Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) V= 12V		Viewing Angle
			Min.	Typ.	2θ1/2
BLB101SYC-12V-P	Super Bright Yellow (AlGaInP)	Water Clear	2300	3300	20°

Note:

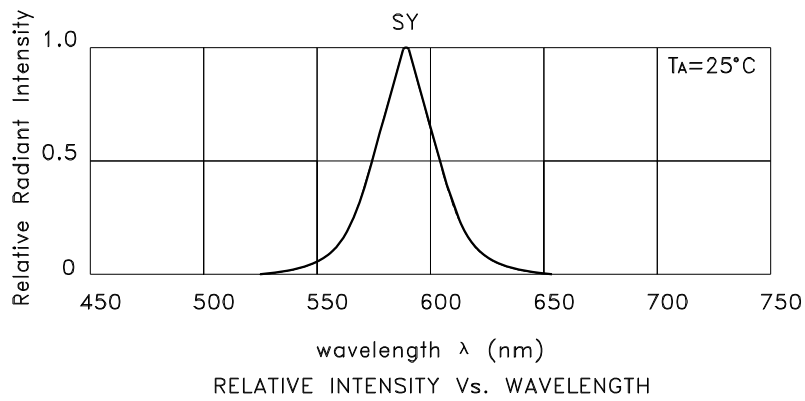
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

Electrical / Optical Characteristics at TA=25°C

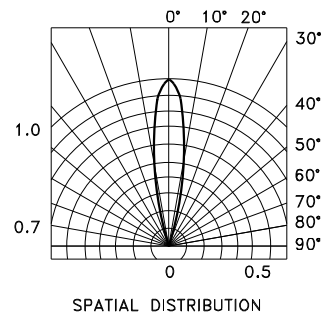
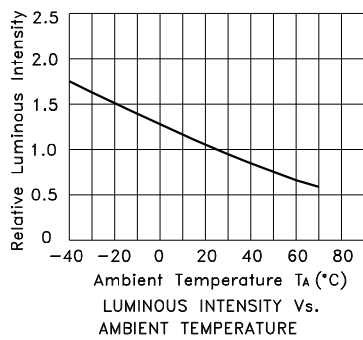
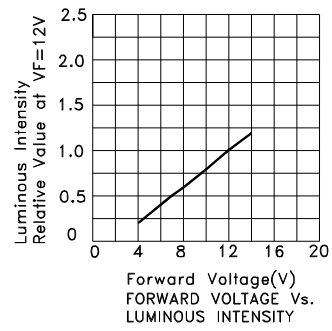
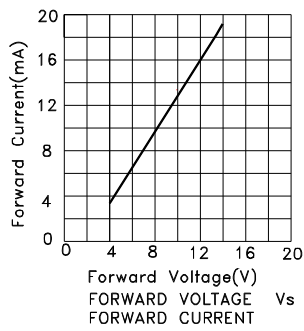
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Yellow	590		nm	V _F =12V
λD	Dominant Wavelength	Super Bright Yellow	590		nm	V _F =12V
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	28		nm	V _F =12V
I _F	Forward Current	Super Bright Yellow	16	20	mA	V _F =12V
I _R	Reverse Current	Super Bright Yellow		10	μA	V _R = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Super Bright Yellow	Units
Power dissipation	280	mW
Forward Voltage	14	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	



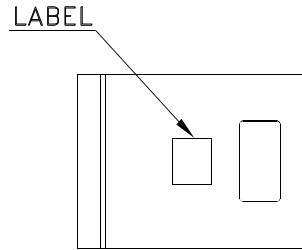
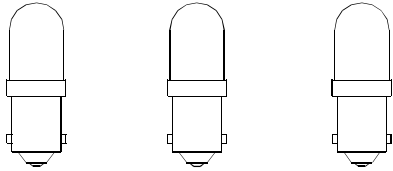
Super Bright Yellow BLB101SYC-12V-P



Kingbright

PACKING & LABEL SPECIFICATIONS

BLB101SYC-12V-P

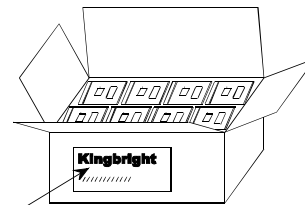


100PCS/BAG




4K/9# BOX

OUTSIDE LABEL



OUTSIDE LABEL

2K/5# BOX

<h1>Kingbright</h1>	
P/NO: BLB101xxx	
QTY: 100 pcs	Q.C. Q C XX XX XXXX PASSED
S/N: XXXX	
CODE: XXX	
LOT NO:	
 <small>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</small>	
RoHS Compliant	