

Part Number: BLS101SYC-12V-P

Super Bright Yellow

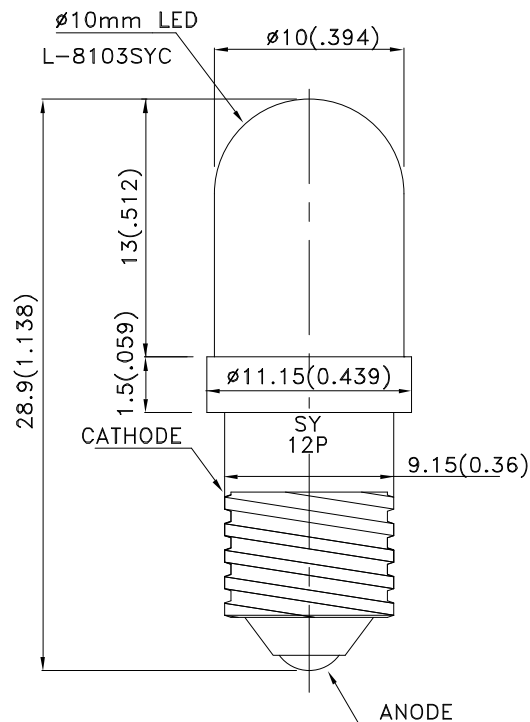
Features

- 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
BLS101SYC-12V-P	Super Bright Yellow (AlGaInP)	Water Clear	2300	3300	20°

Note:

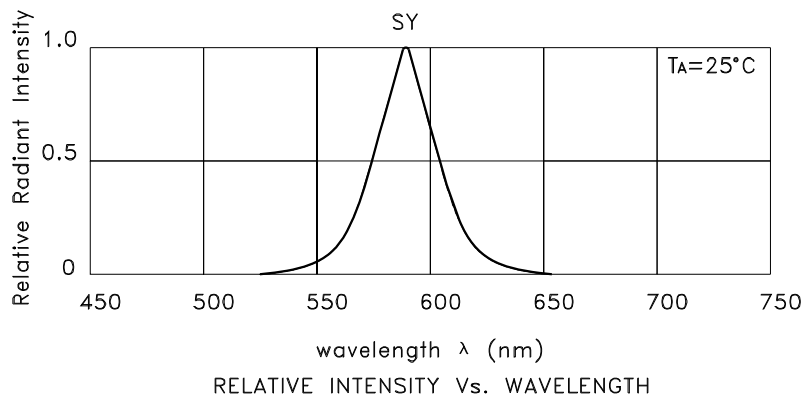
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Super Bright Yellow	590		nm	V _F =12V
λ_D	Dominant Wavelength	Super Bright Yellow	590		nm	V _F =12V
$\Delta\lambda_{1/2}$	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

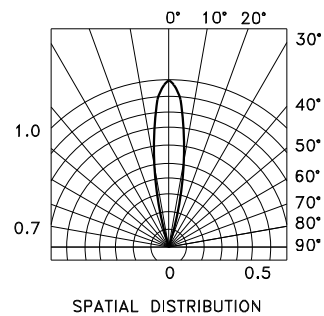
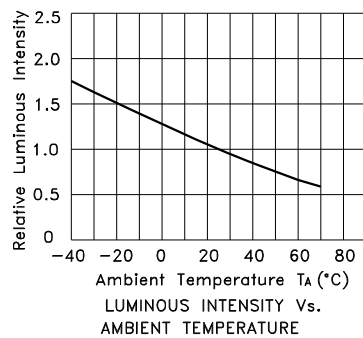
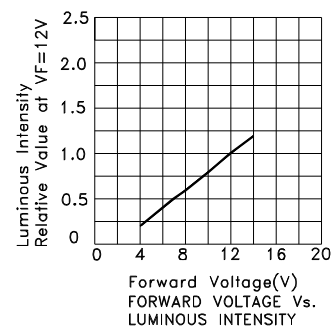
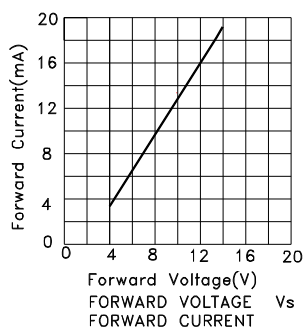
Absolute Maximum Ratings at TA=25°C

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	



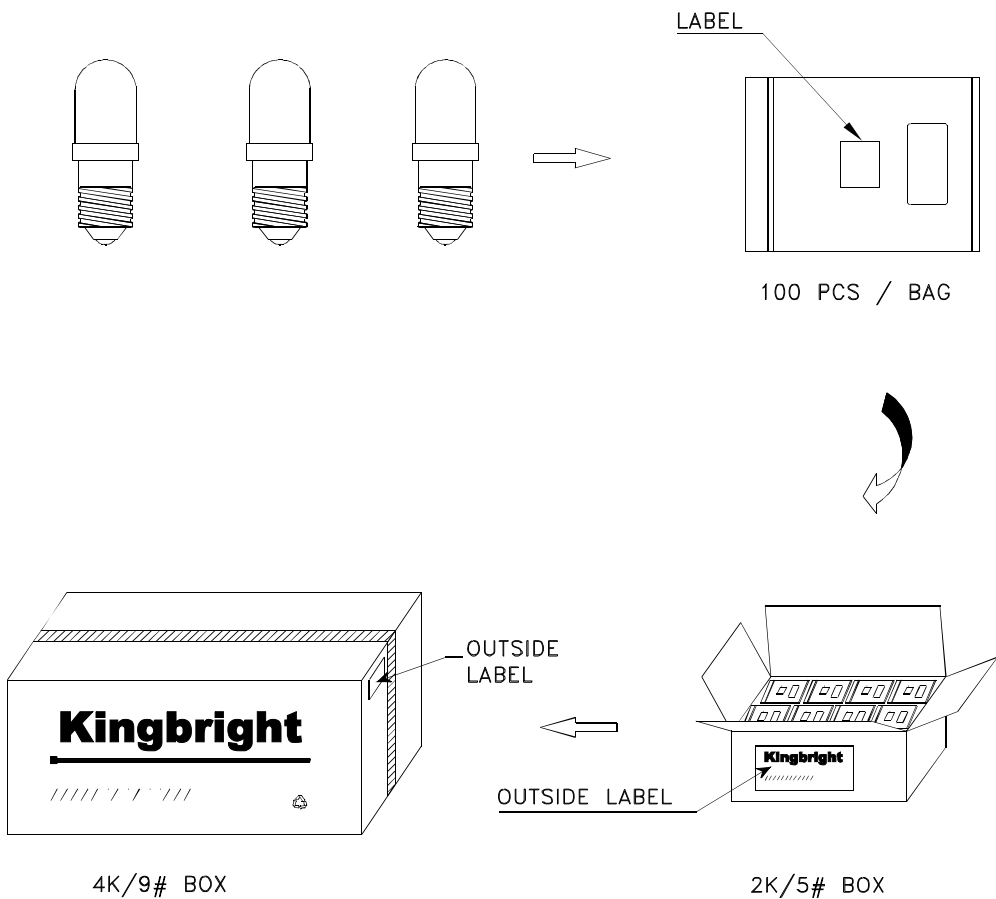
Super Bright Yellow

BLS101SYC-12V-P



PACKING & LABEL SPECIFICATIONS

BLS101SYC-12V-P



Kingbright	
P/NO:BLS101xxx	
QTY: 100 pcs	Q.C. Q C xx xx xxxx PASSED
S/N: XXXX	
CODE: XXX	
LOT NO:	
	
RoHS Compliant	