

Part Number: BLS101SURC-E-12V-P

Hyper Red

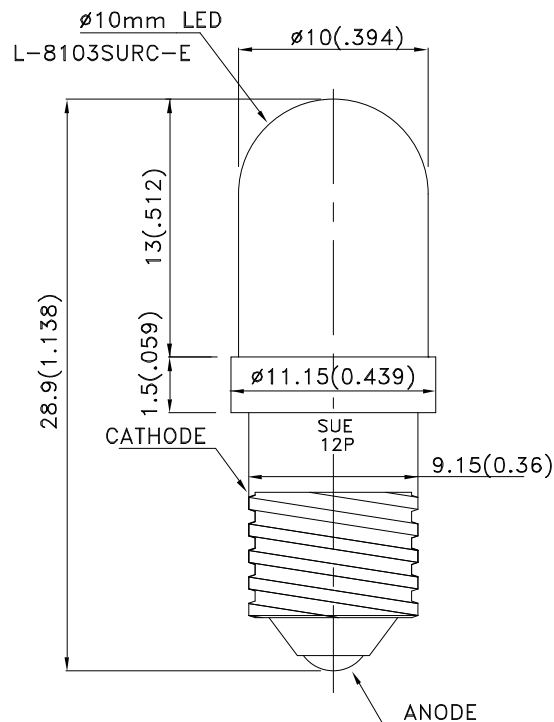
Features

- 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 Hyper Red source color devices are made with Al-GaN on GaAs substrate Light Emitting Diode.

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
BLS101SURC-E-12V-P	Hyper Red (AlGaInP)	Water Clear	2700	4200	20°

Notes:

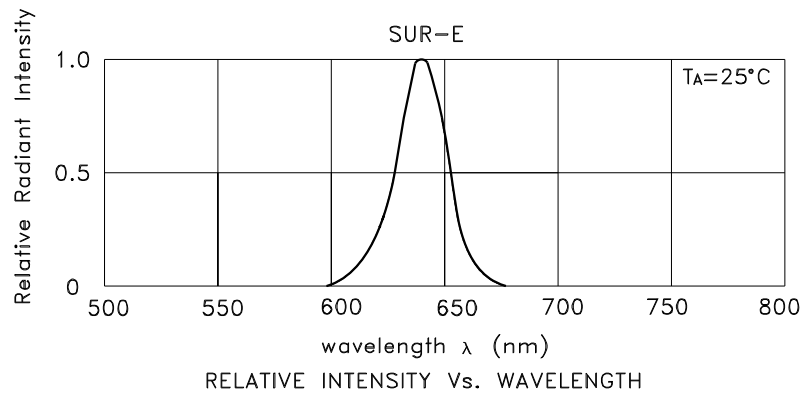
1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Hyper Red	640		nm	V _F =12V
λ_D	Dominant Wavelength	Hyper Red	630		nm	V _F =12V
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Hyper Red	25		nm	V _F =12V
I _F	Forward Current	Hyper Red	16	20	mA	V _F =12V
I _R	Reverse Current	Hyper Red		10	uA	V _R = 5V

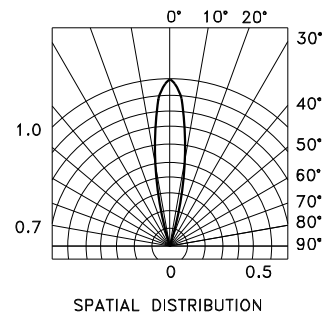
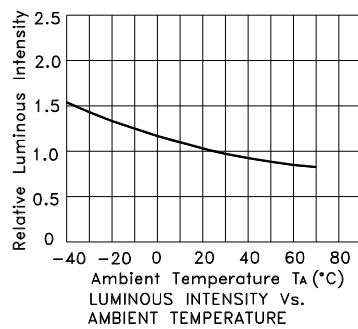
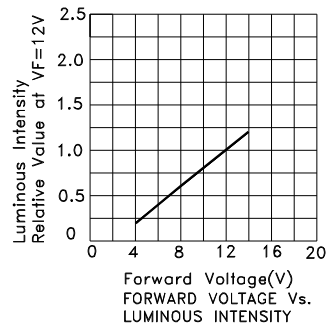
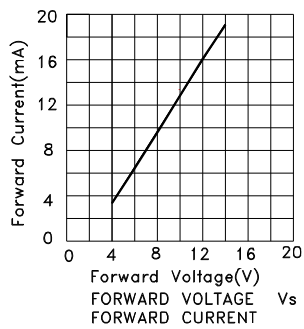
Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Red	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

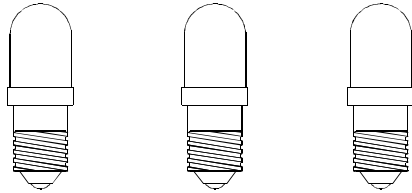
BLS101SURC-E-12V-P



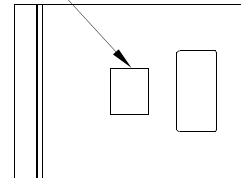
Kingbright

PACKING & LABEL SPECIFICATIONS

BLS101SURC-E-12V-P



LABEL



100 PCS / BAG

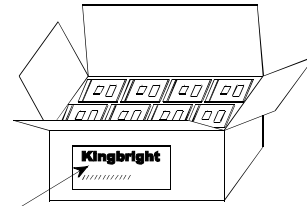


4K/9# BOX


OUTSIDE LABEL



OUTSIDE LABEL



2K/5# BOX

<h1>Kingbright</h1>	
P/NO: BLS101xxx	
QTY: 100 pcs	Q.C. Q C XX XX XXXX PASSED
S/N: XXXX	
CODE: XXX	
LOT NO:	
 xxxxxxxxxxxxxxxxxxxxxxxx	
RoHS Compliant	