

Part Number:BL0102-14-34

Super Bright Red  
Super Bright Green

### Features

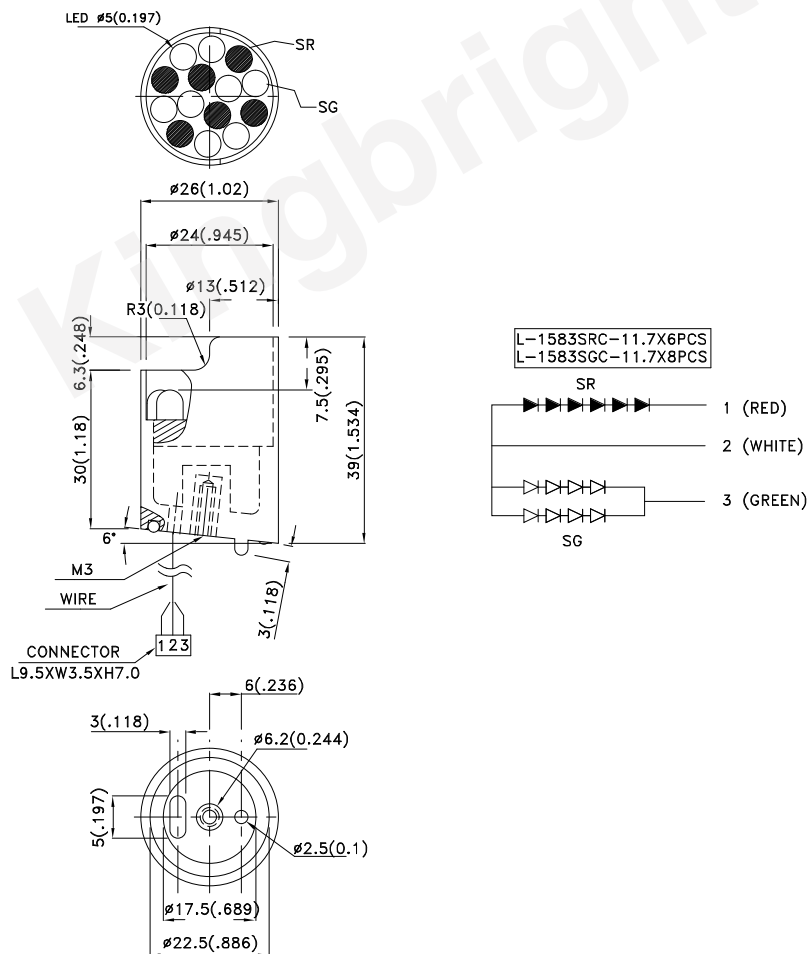
- High visibility.
- No. of built-in 5mm LED lamps: Super Bright Red 6 pcs,  
Super Bright Green 8 pcs.
- Waterproof package with hood suitable for outdoor and indoor  
information boards.
- RoHS compliant.

### Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

The Super Bright Green source color devices are made with Gallium Phosphide Green 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.



## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

Symbol	Parameter	Device	Term	Min	Typ.	Max.	Units	Test Conditions	
IV	Luminous Intensity	BL0102-14-34	Super Bright Red	1800	3600	-	mcd	IF=20mA	
				*600	*1200				
			Super Bright Green	800	1600	-	mcd	IF=40mA	
				*800	*1600				
210/2	Viewing Angle		-	-	40	-	deg	-	
VF	Forward Voltage		Super Bright Red	-	13	17.5	V	IF=20mA	
			Super Bright Green	-	17.6	20	V	IF=20mA	
λ <sub>P</sub>	Peak wavelength		Super Bright Red	-	660	*655	-	nm	IF=20mA
			Super Bright Green	-	565	*565	-		IF=20mA
λ <sub>D</sub>	Dominate Wavelength		Super Bright Red	-	640	*640	-	nm	IF=20mA
			Super Bright Green	-	568	*568	-		IF=20mA
Δλ <sub>1/2</sub>	Spectral Line Half-width		Super Bright Red	-	20		-	nm	IF=20mA
		Super Bright Green	-	30		-	IF=20mA		
IR	Reverse Current	-	-	-	-	20	uA	VR = 5V	

Note:

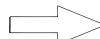
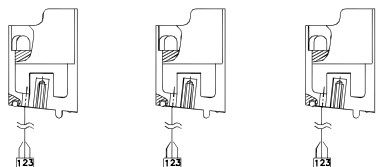
\*Luminous intensity value and Wavelength value are traceable to the CIE127-2007 compliant national standards.

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

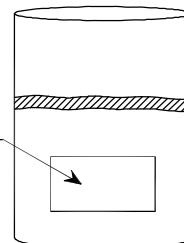
Parameter	Type		Units
	Super Bright Red	Super Bright Green	
Total Power dissipation	450	600	mW
DC Forward Current	30	60	mA
Reverse Voltage	5		V
Operating Temperature	-40 To +70		°C
Storage Temperature	-40 To +85		°C

## PACKING & LABEL SPECIFICATIONS

BL0102-14-34



LABEL

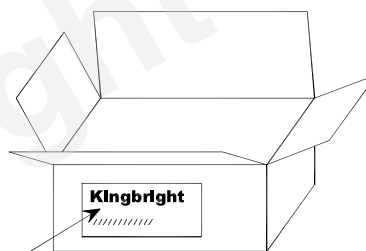


1PCS / BAG



200PCS / 9# BOX

OUTSIDE LABEL



25PCS / 1# BOX

OUTSIDE LABEL

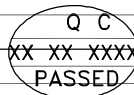
# Kingbright

P/NO: BL0102-14xxx

QTY: 1pcs      Q.C.

S/N:    XXXX

CODE: XXX



LOT NO:



XXXXXXXXXXXXXXXXXX

RoHS Compliant

Detailed application notes are listed on our website.  
[http://www.kingbright.com/application\\_notes](http://www.kingbright.com/application_notes)