

Part Number:BL0102-14-34

Super Bright Red
Super Bright Green

Features

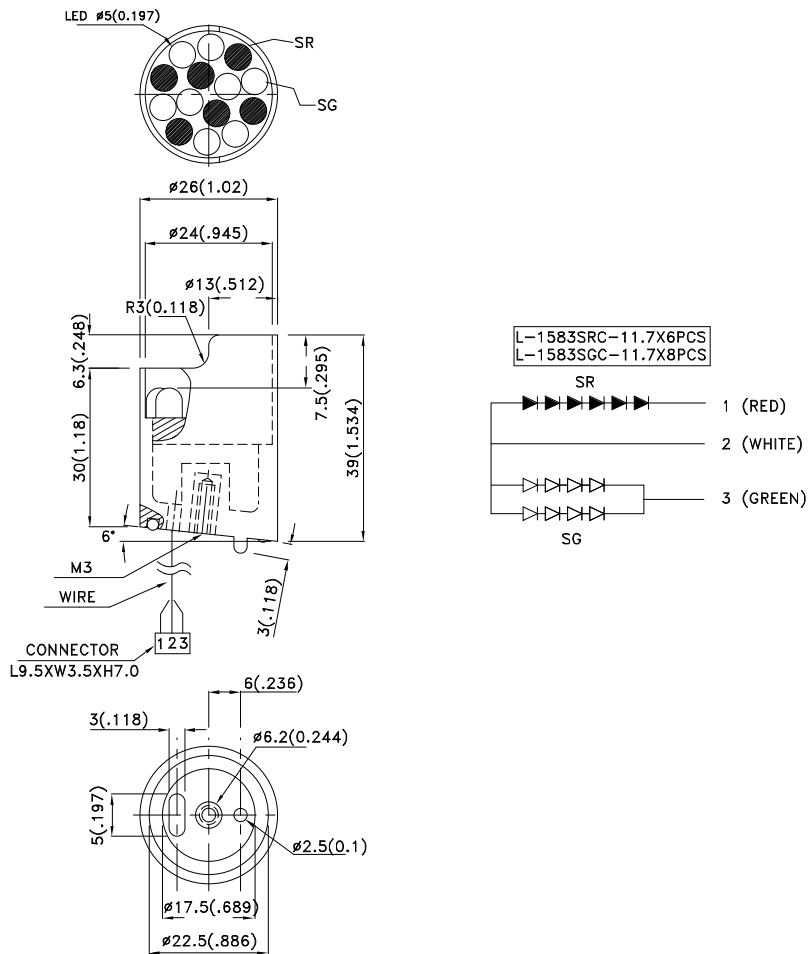
- High visibility.
- No. of built-in 5mm LED lamps: Super Bright Red 6 pcs,
Super Bright Green 8 pcs.
- Waterproof package with hood suitable for outdoor and indoor
information boards.
- RoHS compliant.

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_A=25°C

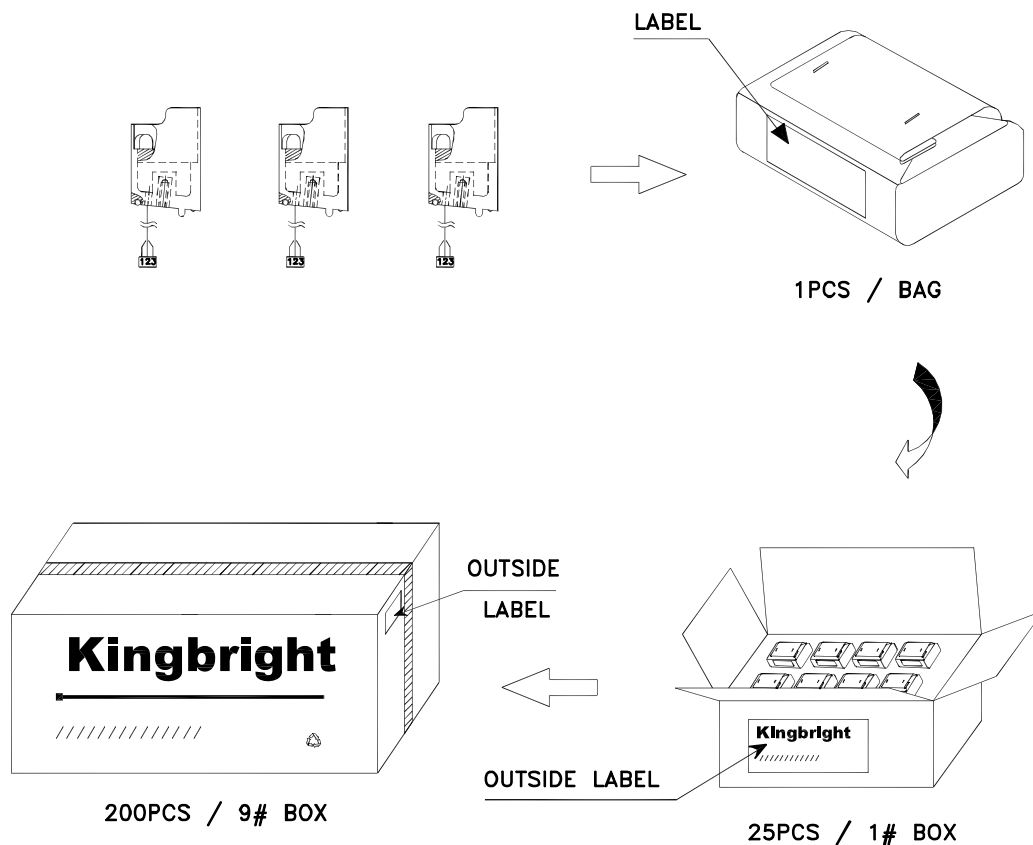
Symbol	Parameter	Device	Color	Min.	Typ.	Max.	Units	Test Conditions
I _V	Luminous Intensity	BL0102-14-34	Super Bright Red	1800	3600	-	mcd	I _F =20mA
			Super Bright Green	800	1600	-		I _F =40mA
2θ _{1/2}	Viewing Angle		Super Bright Red	-	40	-	deg	-
			Super Bright Green	-	40	-		-
V _F	Forward Voltage		Super Bright Red	-	11	15	V	I _F =20mA
			Super Bright Green	-	8.8	10		I _F =40mA
λ _P	Peak Wavelength		Super Bright Red	-	660	-	nm	I _F =20mA
			Super Bright Green	-	565	-		I _F =40mA
λ _D	Dominate Wavelength		Super Bright Red	-	640	-	nm	I _F =20mA
			Super Bright Green	-	568	-		I _F =40mA
Δλ _{1/2}	Spectral Line Half-width	Super Bright Red	-	20	-	nm	I _F =20mA	
		Super Bright Green	-	30	-		I _F =40mA	
I _R	Reverse Current	Super Bright Red	-	-	10	uA	V _R = 5V	
		Super Bright Green	-	-	20			

Absolute Maximum Ratings at T_A=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



<h2 style="margin: 0;">Kingbright</h2>		
P/NO: BL0102-14xxx		
QTY: 1pcs	Q.C.	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> Q C XX XX XXXX PASSED </div>
S/N: XXXX		
CODE: XXX		
LOT NO:		
XXXXXXXXXXXXXXXXXX		
RoHS Compliant		