

Part Number: BL0102-14-34

Super Bright Red
Super Bright Green

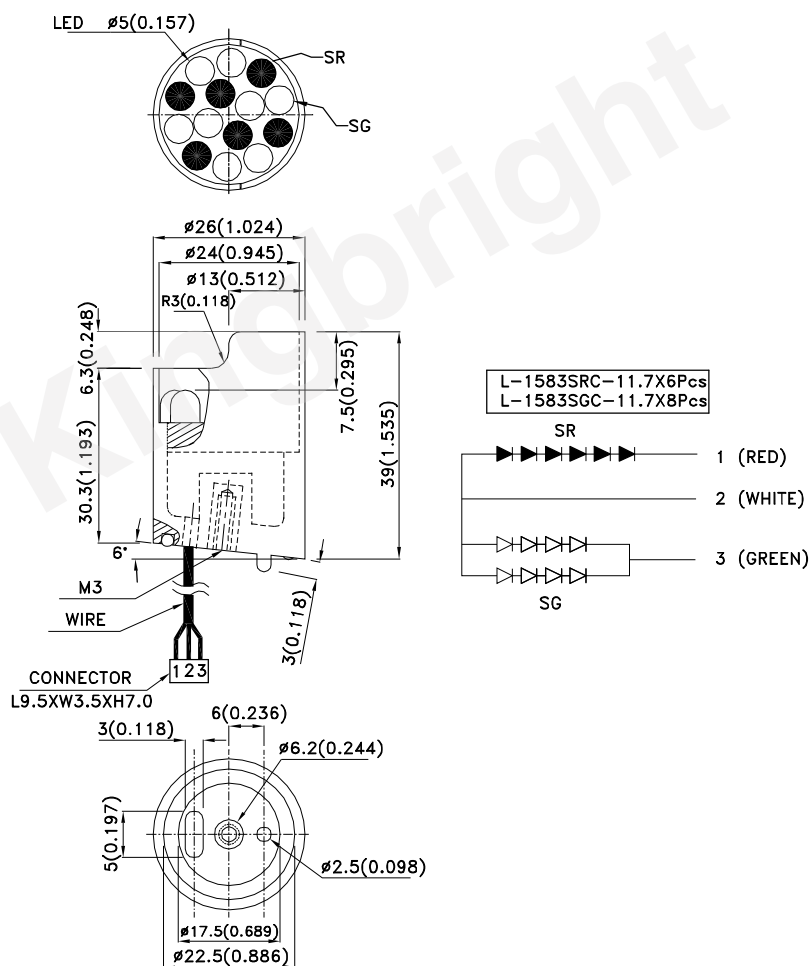
Features

- 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.

Descriptions

- 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	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			
21 θ/2	Viewing Angle		-	-	40	-	deg	-
VF	Forward Voltage		Super Bright Red	-	11	15	V	IF=20mA
			Super Bright Green	-	8.8	10	V	IF=40mA
λ P	Peak wavelength		Super Bright Red	-	655	-	nm	IF=20mA
			Super Bright Green	-	565	-		IF=40mA
λ D	Dominate Wavelength		Super Bright Red	-	640	-	nm	IF=20mA
			Super Bright Green	-	568	-		IF=40mA
Δλ 1/2	Spectral Line Half-width		Super Bright Red	-	20	-	nm	IF=20mA
			Super Bright Green	-	30	-		IF=40mA
IR	Reverse Current		Super Bright Red	-	-	10	uA	VR = 5V
			Super Bright Green	-	-	20		

Notes:

- *Luminous intensity value and Wavelength value are traceable to CIE127-2007 standards.
- Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Absolute Maximum Ratings at T_A=25°C

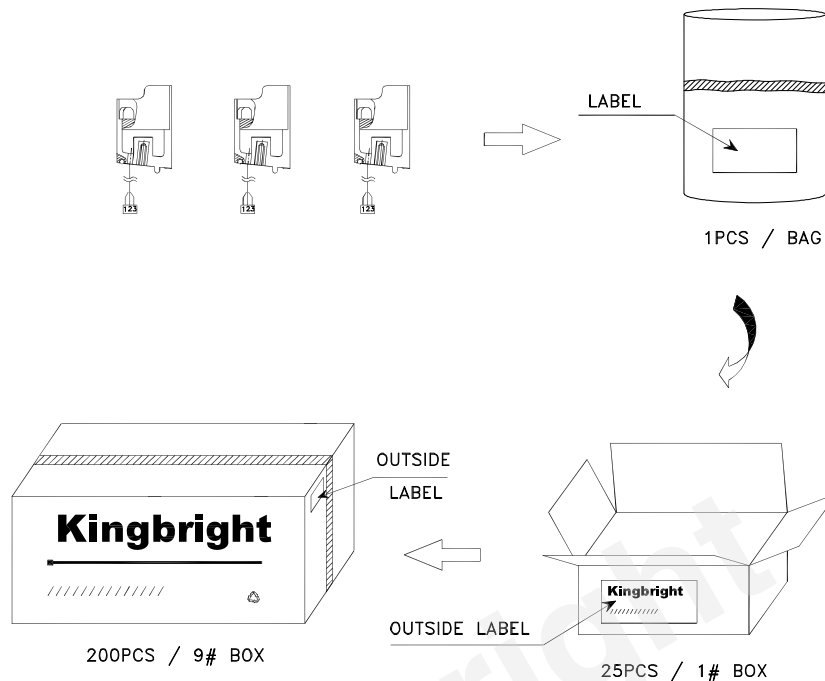
Parameter	Values		Units
	Super Bright Red	Super Bright Green	
Total Power dissipation	450	600	mW
DC Forward Current	30	60	mA
Reverse Voltage	5		V
Operating Temperature	-40 To +70		°C
Storage Temperature	-40 To +85		°C

Note:

- Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity – Ref JEDEC/JESD625-A and JEDEC/J-STD-033.

PACKING & LABEL SPECIFICATIONS

BL0102-14-34



Kingbright		
P/NO: BL0102-14xxx		
QTY: 1pcs	Q.C.	Q C
S/N: XXXX		XX XX XXXX
CODE: XXX		PASSED
LOT NO:		
XXXXXXXXXXXXXXXXXX		
RoHS Compliant		

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1. The information included in this document reflects representative usage scenarios and is intended for technical reference only.
2. The part number, type, and specifications mentioned in this document are subject to future change and improvement without notice. Before production usage customer should refer to the latest datasheet for the updated specifications.
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