Kingbright

26mm LED CLUSTER

Part Number: BL0102-14-34

Super Bright Red
Super Bright Green

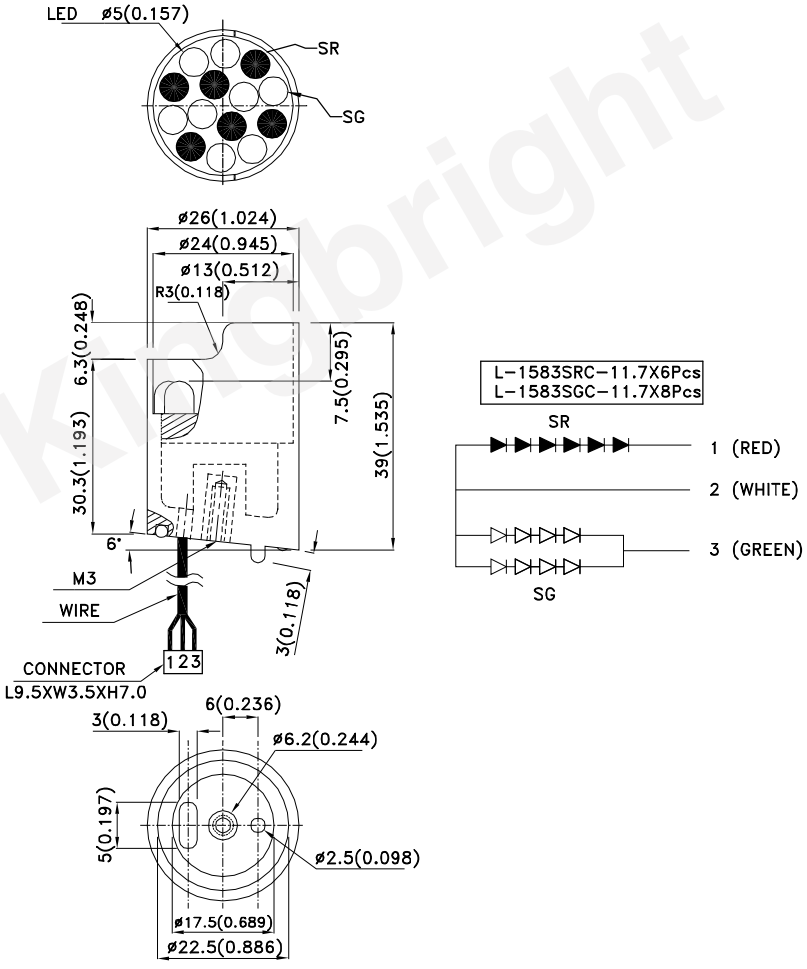
Features

- 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 ±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:
1.*Luminous intensity value and Wavelength value are traceable to CIE127-2007 standards.
2.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:
1. 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.

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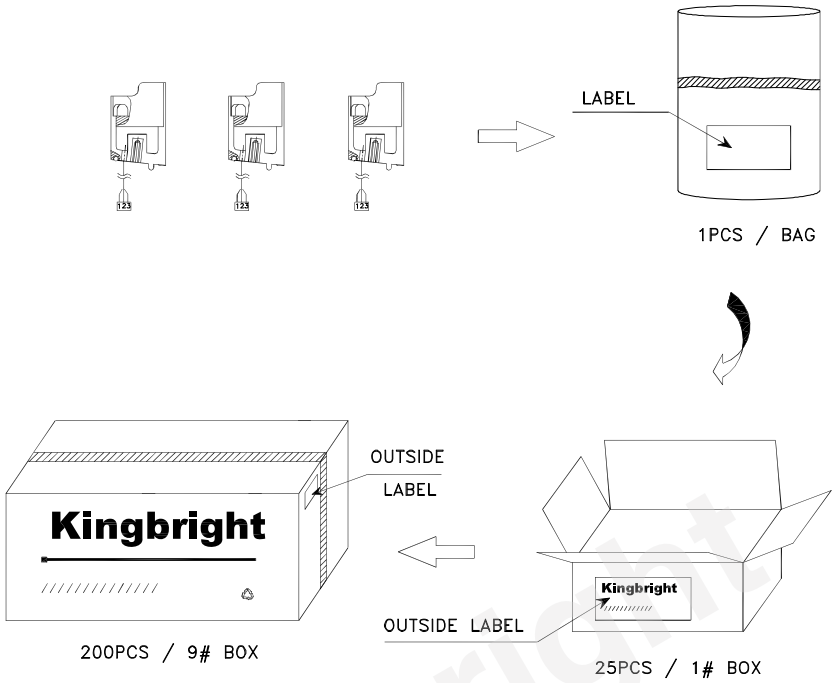
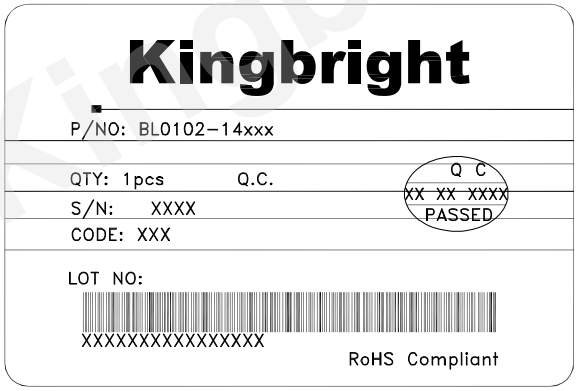
PACKING & LABEL SPECIFICATIONS **BL0102-14-34**





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