

LED Clusters

Order code	Manufacturer code	Description
56-2950	BL0101-15-33	26MM RED/GREEN LED CLUSTER (RC)

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The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

Kingbright®

26mm (1 INCH) LED CLUSTER

BL0101-15-33

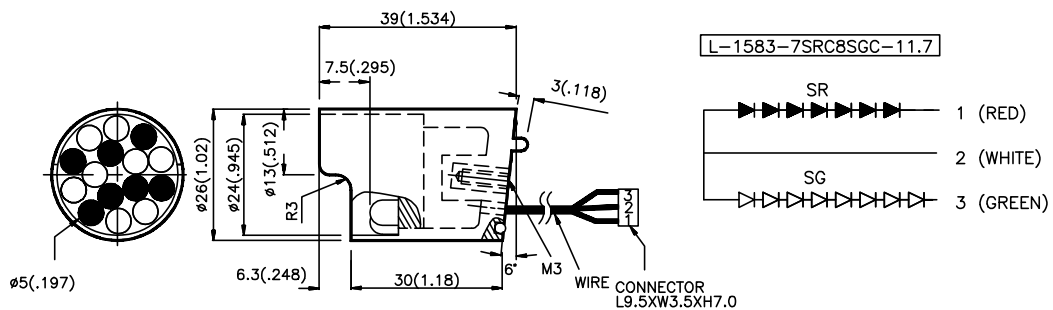
Features

- HIGH VISIBILITY.
- EMITTING COLOR: GREEN, RED AND ORANGE (MIXED COLOR).
- NO. OF BUILT-IN 5mm LED LAMPS: SUPER BRIGHT RED 7PCS, SUPERBRIGHT GREEN 8PCS.
- WATERPROOF PACKAGE WITH HOOD SUITABLE FOR OUTDOOR AND INDOOR INFORMATION BOARDS.

Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode .
The Super Bright Green color devices are made 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. Specifications are subjected to change without notice.

Electrical / Optical Characteristics at $T_A=25^\circ\text{C}$

Symbol	Parameter	Device	Color	Min.	Typ.	Max.	Units	Test Conditions
I_V	Luminous Intensity	BL0101-15-33	Red Green	1400 800	2500 1600	-	mcd	$I_F=20\text{mA}$ $I_F=20\text{mA}$
θ	Viewing Angle		Red Green	-	40	-	Deg	-
V_F	Forward Voltage		Red Green	-	12.3 16.8	14 19.2	V	$I_F=20\text{mA}$ $I_F=20\text{mA}$
λ_{peak}	Peak Wavelength		Red Green	-	660 565	-	nm	$I_F=20\text{mA}$ $I_F=20\text{mA}$
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth		Red Green	-	20 30	-	nm	$I_F=20\text{mA}$ $I_F=20\text{mA}$
I_R	Reverse Current		Red Green	-	70 80	-	μA	$V_R = 24\text{V}$

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

Parameter	Super Bright Green	Super Bright Red	Units
Power dissipation	0.4	0.6	W
DC Forward Current	30	30	mA
Reverse Voltage	24	24	V
Operation Temperature	-25 to +60		$^\circ\text{C}$
Storage Temperature	-30 to +90		$^\circ\text{C}$