

Kingbright®

26mm (1 INCH) LED CLUSTER

BL0102-14-34

Features

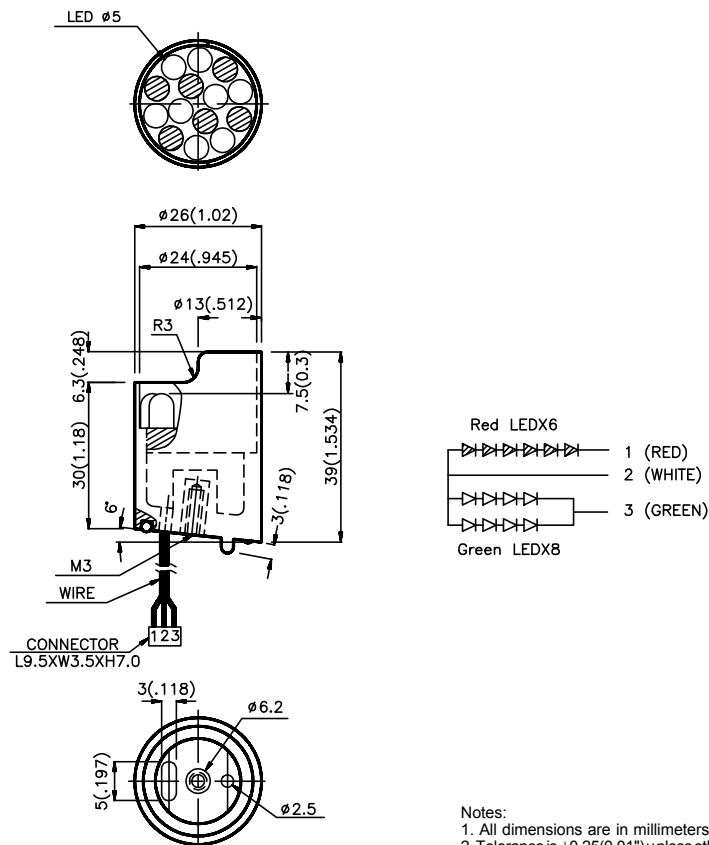
- HIGH VISIBILITY.
- EMITTING COLOR: GREEN, RED AND ORANGE (MIXED COLOR).
- NO. OF BUILT-IN 5mm LED LAMPS: SUPER BRIGHT RED 6 PCS, SUPER BRIGHT GREEN 8 PCS.
- WATERPROOF PACKAGE WITH HOOD SUITABLE FOR OUTDOOR AND INDOOR INFORMATION BOARDS.

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°C

Symbol	Parameter	Device	Color	Min.	Typ.	Max.	Units	Test Conditions
I _v	Luminous Intensity	BL0102-14-34	Red Green	1600 800	-	4200 2400	mcd	IF=20mA IF=20mA
θ	Viewing Angle		Red Green	-	40	-	Deg	-
V _F	Forward Voltage		Red Green	-	12.3 16.8	14 19.2	V	IF=20mA IF=20mA
λ _{peak}	Peak Wavelength		Red Green	-	660 565	-	nm	IF=20mA IF=20mA
Δλ _{1/2}	Spectral Line Halfwidth		Red Green	-	20 30	-	nm	IF=20mA IF=20mA
I _R	Reverse Current		Red Green	-	70 80	-	uA	VR = 24V

Absolute Maximum Ratings at T_A=25°C

Parameter	Super Bright Green	Super Bright Red	Units
Power dissipation	0.6	0.4	W
DC Forward Current	60	30	mA
Reverse Voltage	18	18	V
Operation Temperature	-25 to +60		°C
Storage Temperature	-30 to +90		°C