BRIGHT LED ELECTRONICS CORP.

LED LAMPS SPECIFICATION

• DEVICE NUMBER : BL-B2134-L

• ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta=25°C)

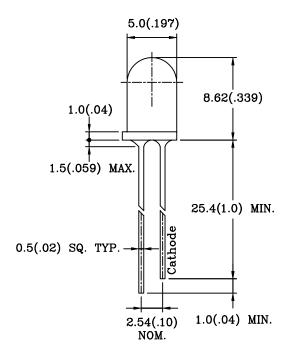
Chip	Peak Wave Length λ P(nm)	Lens Appearance	Absolute Maximun Rating			Electro-optical Data (At 2mA)		Viewing Angle	
Emitted Color			Δλ (nm)	Pd (mW)	If (mA)	Vf Typ.	(V) Max.	Iv Typ. (mcd)	2 0 1/2 (deg)
Green	568	Green Diffused	30	10	5	1.9	2.2	8	35

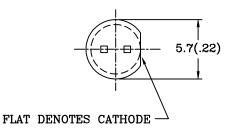
Remark : Viewing angle is the Off-axis angle at which the luminous intensity is half the axial luminous intensity.

• ABSOLUTE MAXIMUN RATINGS (Ta=25°C)

Reverse Voltage	
Reverse Current (-Vr=5V)	
Operating Temperature Range	
Storage Temperature Range	
Lead Soldering Temperature	

PACKAGE DIMENSIONS





NOTES: 1.All dimensions are in millimeters (inches).

2. Tolerance is \pm 0.25mm (0.01") unless otherwise specified.

3.Lead spacing is measured where the leads emerge from the package.

4. Specifications are subject to change without notice.

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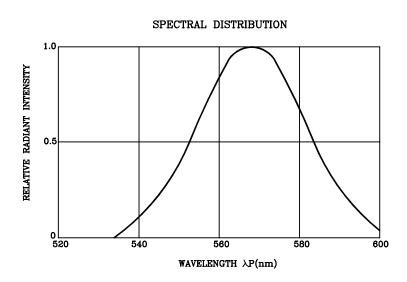
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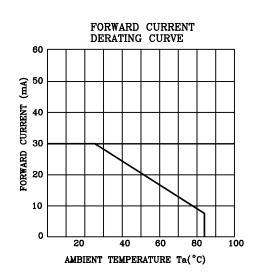
LED LAMPS SPECIFICATION

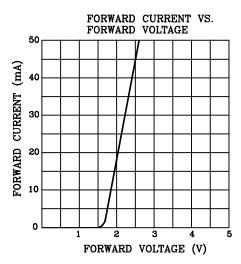
●COMMODITY:T-1 3/4 Standard 1.0" Lead ,5ø

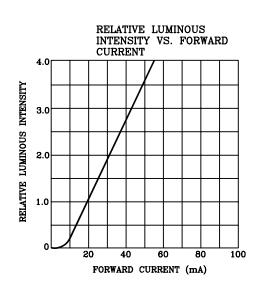
• DEVICE NUMBER: BL-B2134-L

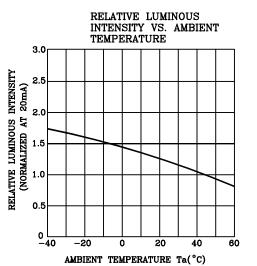
• ELECTRICAL AND OPTICAL CHARACTERISTICS(Ta=25°C)

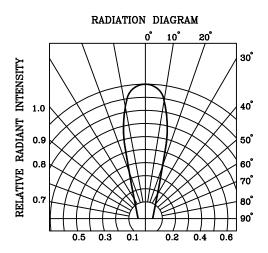












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LED LAMPS SPECIFICATION

RELIABILITY TEST

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Classification	Test Item	Reference Standard	Test Conditions	Result
	Operation Life	MIL-STD-750:1026 MIL-STD-883:1005 JIS C 7021 :B-1	Connect with a power If=7mA Ta=Under room temperature Test time=1,000hrs	0/100
Endurance Test	High Temperature High Humidity Storage	MIL-STD-202:103B JIS C 7021 :B-11	Ta=85°C ±5°C RH=90%-95% Test time=1,000hrs	0/100
	High Temperature Storage	MIL-STD-883:1008 JIS C 7021 :B-10	High Ta=105°C±5°C Test time=1,000hrs	0/100
	Low Temperature Storage	JIS-C-7021 :B-12	Low Ta=-55°C ±5°C Test time=1,000hrs	0/100
Environmental Test	Temperature Cycling	MIL-STD-202:107D MIL-STD-750:1051 MIL-STD-883:1010 JIS C 7021 :A-4	-55° C ~ 25° C ~ 105° C ~ 25° C 30min 5min 30min 5min Test Time=10cycle	0/100
	Thermal Shock	MIL-STD-202:107D MIL-STD-750:1051 MIL-STD-883:1011	$\begin{array}{ccc} 105^{\circ}\text{C}\pm5^{\circ}\text{C} &\sim -55^{\circ}\text{C}\pm5^{\circ}\text{C} \\ 10\text{min} & 10\text{min} \\ \text{Test Time=}10\text{cycle} \end{array}$	0/100
	Solder Resistance	MIL-STD-202:201A MIL-STD-750:2031 JIS C 7021 :A-1	T.sol= $260\pm5^{\circ}$ C Dwell Time= 10 ± 1 sec.	0/50
	Solderability	MIL-STD-202:208D MIL-STD-750:2026 MIL-STD-883:2003 JIS C 7021 :A-2	T.sol=230±5℃ Dwell Time=5±1sec.	0/50
	Lead Bending Stress	MIL-STD-750:2036 JIS C 7021 :A-11	0°~90°~0°bend , 3 cycles Weight 250g	0/50

JUDGMENT CRITERIA OF FAILURE FOR THE RELIABILITY

Measuring items	Symbol	Measuring conditions	Judgement criteria for failure
Forward voltage	VF	IF=2mA	Over Ux1.2
Reverse current	IR	VR=5V	Over Ux2
Liminous intensity	IV	IF=2mA	Below Sx0.5

Note: 1.U means the upper limit of specified characteristics. S means initial value.

2.Measurment shall be taken between 2 hours and after the test pieces have been returned

to normal ambient conditions after completion of each test.