

### LED LAMPS SPECIFICATION

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REVISION: 1.0

• COMMODITY : Standard 1.0"Lead  $4 \phi$ 

● DEVICE NUMBER: BL-B2432

SHEET DATE	1	2	3	4	5			CONTENTS
2002.08.22	1.0	1.0	1.0	1.0	1.0			Initial Released

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DEVICE NUMBER: BL-B2432 VERSION: 1.0

### ●ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta=25°C)

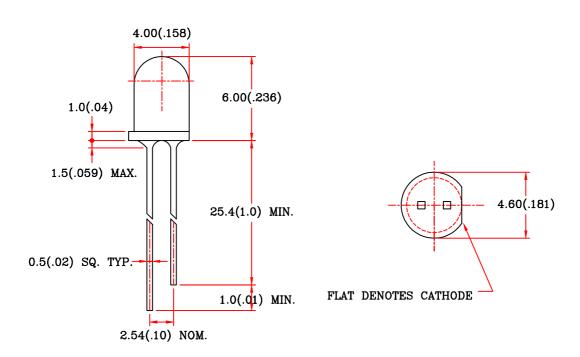
Chip		Lens	A	bsolute l Rat	Maximu ing	m	Electro-optical Data (At 20mA)			Viewing
Emitted Color	Peak Wave Length λ P(nm)	Appearance	Δ λ (nm)	Pd (mW)	If (mA)	Peak If(mA)		(V) Max.	Iv Typ. (mcd)	Angle 2 θ 1/2 (deg)
Green	568	Green Trans	30	80	30	150	2.2	2.6	120	35

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

### ● ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Reverse Voltage	5V
Reverse Current (Vr=5V)	
Operating Temperature Range	•
Storage Temperature Range	40°C ~ 85°C
Lead Soldering Temperature	260°C For 5 Seconds

#### 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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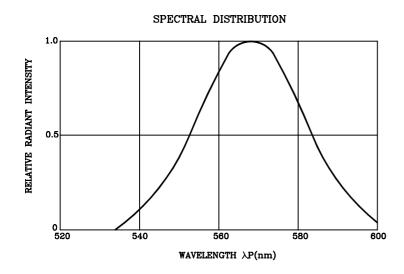
●COMMODITY:4ø Standard 1.0" Lead

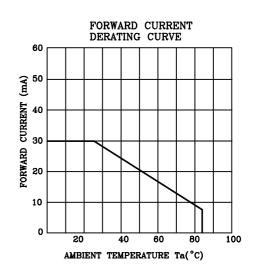
● DEVICE NUMBER: BL-B2432

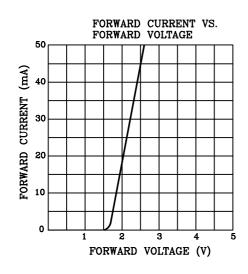
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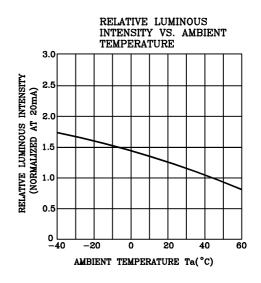
● ELECTRICAL AND OPTICAL CHARACTERISTICS(Ta=25°C)

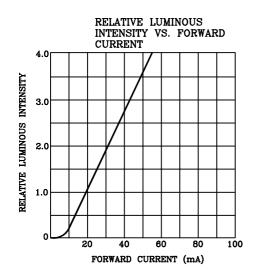
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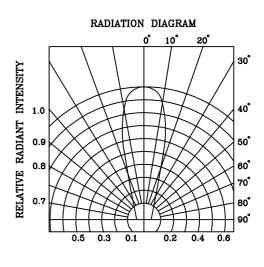












### LED LAMPS SPECICATION

**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=20mA 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=240hrs	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
	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
Environmental Test	Thermal Shock	MIL-STD-202:107D MIL-STD-750:1051 MIL-STD-883:1011	-55°C±5°C ~ 105°C±5°C 10min 10min Test Time=10cycle	0/100
	Solder Resistance	MIL-STD-202:201A MIL-STD-750:2031 JIS C 7021 :A-1	T.sol=260±5°C Dwell Time=5±1sec.	0/50
	Solder ability	MIL-STD-202:208D MIL-STD-750:2026 MIL-STD-883:2003 JIS C 7021 :A-2	T.sol=230±5°C 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	$ m V_F$	If=20mA	Over Ux1.2
Reverse current	Ir	Vr=5V	Over Ux2
Luminous intensity	Iv	If=20mA	Below Sx0.5

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

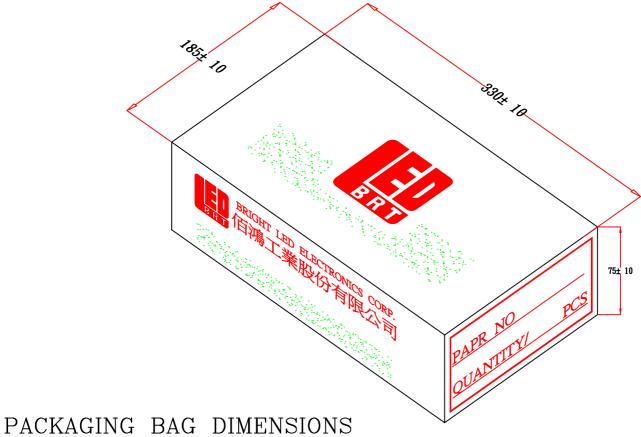
2.Measurment shall be taken between 2 hours and after the test pieces have been returned to normal ambient conditions after completion of each test.

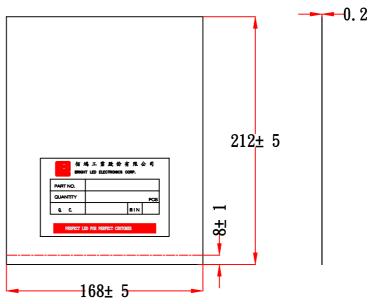
## PACKAGING DIMMENSIONS

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### PACKAGING BOX DIMENSIONS





### NOTES:

- 1.500 PCS PER BAG, 5K PCS PER BOX
- 2. ALL Dimensions are in millimeters(inches).
- 3. Specifications are subject to change without notice.