

TENTATIVE

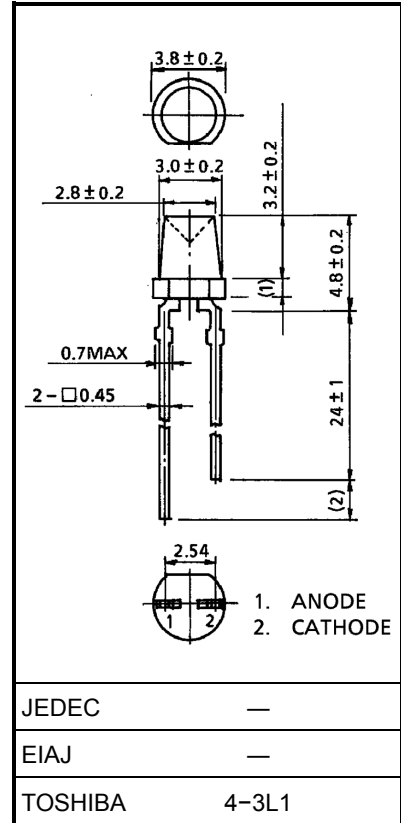
TOSHIBA LED Lamp InGaAlP Green Light Emission

TLGE260

Panel Circuit Indicator

- 3 mm diameter (T1)
- InGaAlP green LED
- All plastic mold type.
- Colorless clear lens
- Low drive current, high intensity green light emission
Recommended forward current: $I_F=15\sim 20\text{mA(DC)}$
- All plastic molded lens, provides an excellent on-off contrast ratio.
- Fast response time, capable of pulse operation.
- High power luminous intensity
- Applications: suitable for outdoor message signboard, safety equipment, etc.

Unit in mm



Weight: 0.14g

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Forward current (DC)	I_F	50	mA
Reverse voltage	V_R	4	V
Power dissipation	P_D	140	mW
Operating temperature range	T_{opr}	-30~85	°C
Storage temperature range	T_{stg}	-40~120	°C

Electrical And Optical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Condition	Min	Typ.	Max	Unit
Forward voltage	V_F	$I_F=20\text{mA}$	—	2.27	2.8	V
Reverse current	I_R	$V_R=4\text{V}$	—	—	50	μA
Luminous intensity	I_V	$I_F=20\text{mA}$ (Note)	8.5	45	—	mcd
Peak emission wavelength	λ_p	$I_F=20\text{mA}$	—	574	—	nm
Spectral line half width	$\Delta\lambda$	$I_F=20\text{mA}$	—	11	—	nm
Dominant wavelength	λ_d	$I_F=20\text{mA}$	—	571	—	nm

(Note): Lamps are classified into the following ranks according to their luminous intensity.

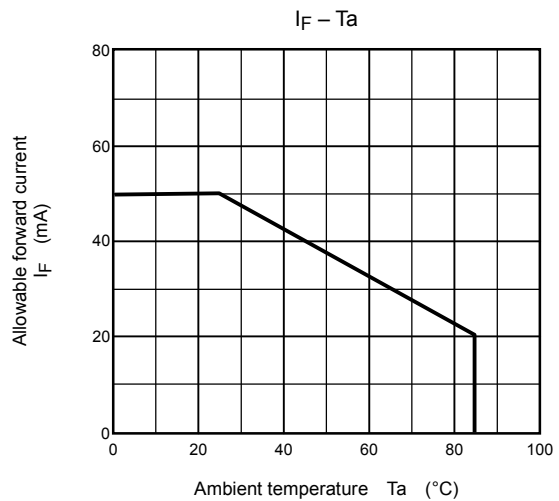
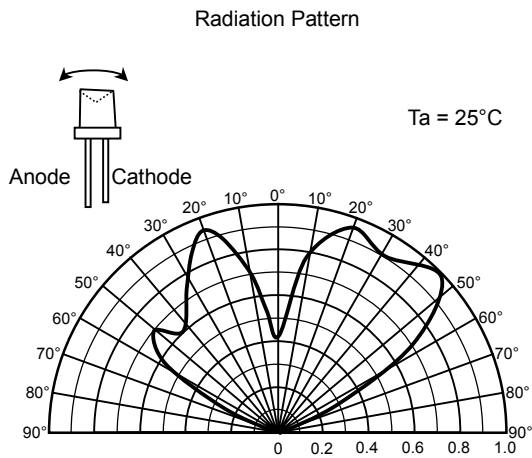
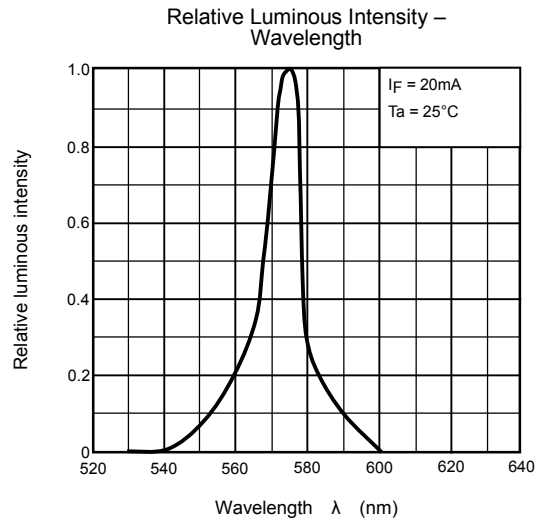
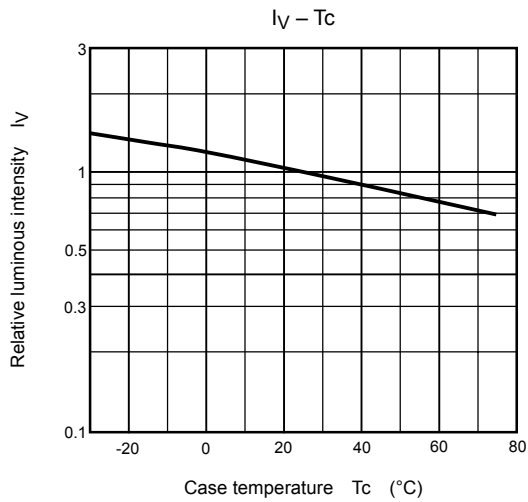
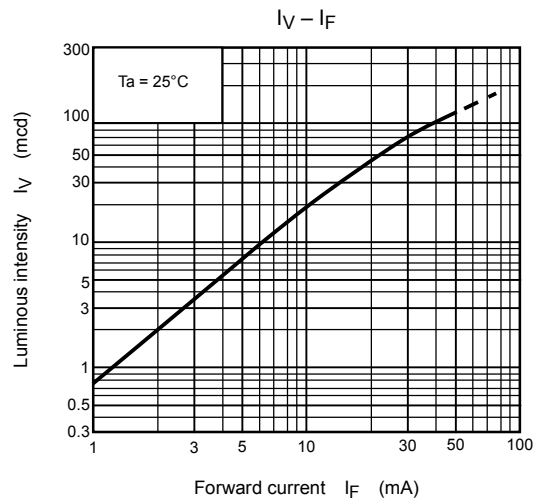
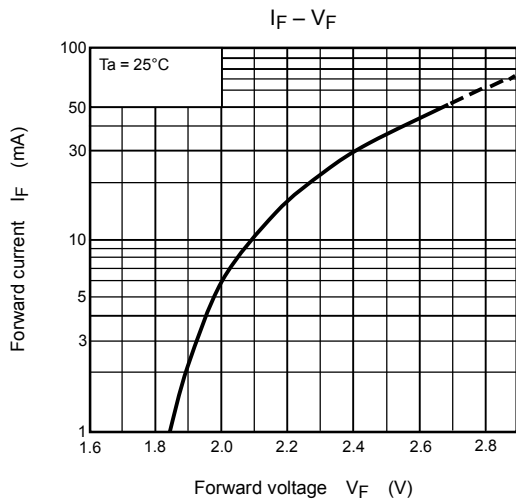
Measurement tolerance for each limit is $\pm 15\%$.

J: 10–20mcd, K: 18–36mcd, L: 32–64mcd

Precaution

Please be careful of the followings

- Soldering temperature: 260°C max Soldering time: 3 s max
(Soldering portion of lead: Up to 2 mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5 mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- This visible LED lamp also emits some IR light. If a photodetector is located near the LED lamp, please ensure that it will not be affected by this IR light.



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