TOSHIBA TLYK31T(F)

TOSHIBA LED Lamp InGaA&P Yellow Light Emission

TLYK31T(F)

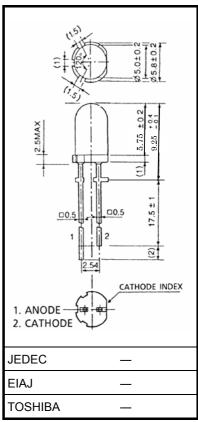
Panel Circuit Indicator

- Lead(Pb)-free products (lead: Sn-Ag-Cu)
- 5 mm package
- InGaAlP technology
- Transparent lens
- Low drive current, high intensity yellow light emission Recommended forward current: $I_F = 10 \sim 30 \text{ mA}$ (DC)
- All plastic molded lens, provides an excellent on-off contrast ratio.
- Fast response time, capable of pulse operation.
- Applications: outdoor message signboards, Traffic signals, Safety equipment, HMSL, etc
- Straight lead type is also available TLYK31TP(F)

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Forward current (DC)	lF	50	mA
Reverse voltage	V_{R}	4	٧
Power dissipation	P_{D}	130	mW
Operating temperature range	T _{opr}	-40~100	°C
Storage temperature range	T _{stg}	-40~120	°C

Unit in mm



Weight: 0.28 g



For part availability and ordering information please call Toll Free: 800.984.5337 Website: www.marktechopto.com | Email: info@marktechopto.com

Electrical And Optical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _F	I _F = 20 mA	1.9	2.4	2.6	V
Reverse current	I _R	V _R = 4 V	_	_	50	μΑ
Luminous intensity	ly	I _F = 20 mA (Note)	1530	4000	_	mcd
Peak emission wavelength	λ _P	I _F = 20 mA	_	(594)	_	nm
Spectral line half width	Δλ	I _F = 20 mA	_	13	_	nm
Dominant wavelength	λ _d	I _F = 20 mA (Note)	581	590	595	nm

(Note): Lamps are classified into the following ranks according to Iv and λd , and packed in boxes by each rank.

Iv-rank T: 1530 - 4140mcd, U: 2720 - 7360mcd, V: 4760mcd -

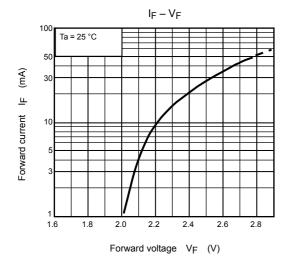
λd-rank 1: 581 - 588nm, 2: 585 - 592nm, 3: 589 - 595nm

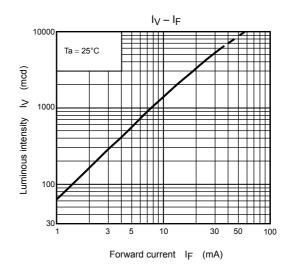
Precaution

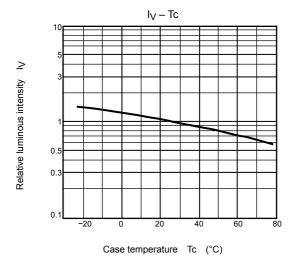
Please be careful of the followings

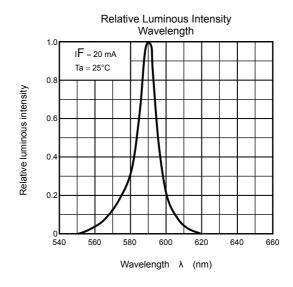
• Soldering temperature: 260°C max Soldering time: 3 s max (Soldering portion of lead: below the lead stopper of the device)

- If the lead is formed, the lead should be formed up to below the lead stopper 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.



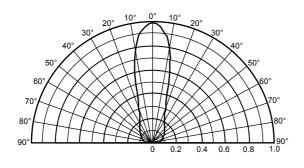


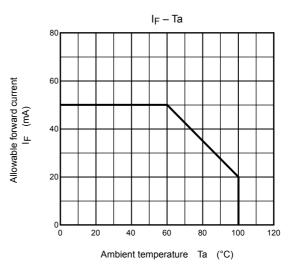




Radiation Pattern







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RESTRICTIONS ON PRODUCT USE

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