

**TOSHIBA**

TLOU114P, TLSU114P, TLYU114P

**TENTATIVE**

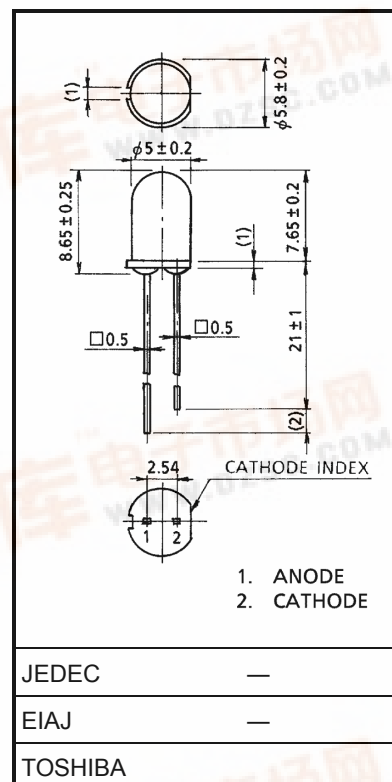
TOSHIBA InGaAlP LED

**TLOU114P, TLSU114P, TLYU114P**

## Panel Circuit Indicator

Unit in mm

- InGaAlP LED
- Without stand-offs
- All plastic mold type
- Colored lusterless lens
- Lineup: 3 colors (red, orange, yellow)
- Suitable for high-brightness and less electricity consumption.
- All plastic molded lens, provides an excellent on-off contrast ratio.
- Applications: Backlight, light for decoration, switches, various indicator, personal equipment



## Lineup

Product	Color	Material
TLOU114P	Orange	InGaAlP
TLSU114P	Red	InGaAlP
TLYU114P	Yellow	InGaAlP

Weight: 0.31g

## Maximum Ratings (Ta = 25°C)

Product	Forward Current I <sub>F</sub> (mA)	Reverse Voltage V <sub>R</sub> (V)	Power Dissipation P <sub>D</sub> (mW)	Operating Temperature T <sub>OP</sub> (°C)	Storage Temperature T <sub>STG</sub> (°C)
TLOU114P	30	4	72	-20~75	-30~100
TLSU114P	30	4	72	-20~75	-30~100
TLYU114P	30	4	75	-20~75	-30~100

## Electrical And Optical characteristics (Ta = 25°C)

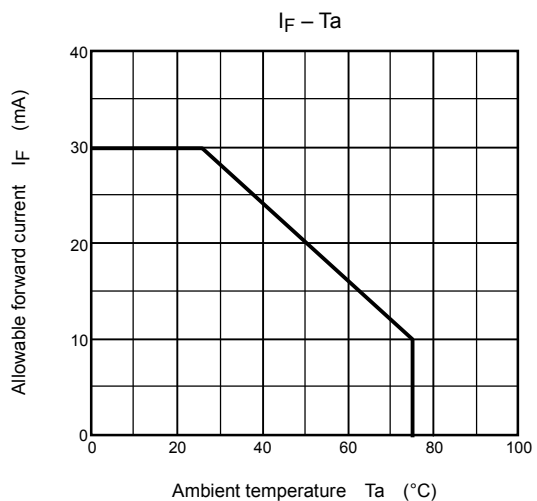
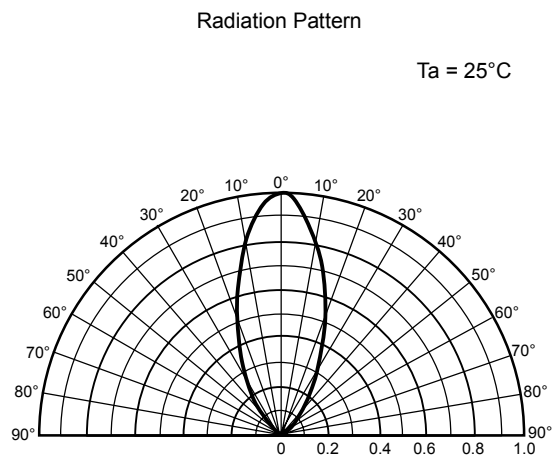
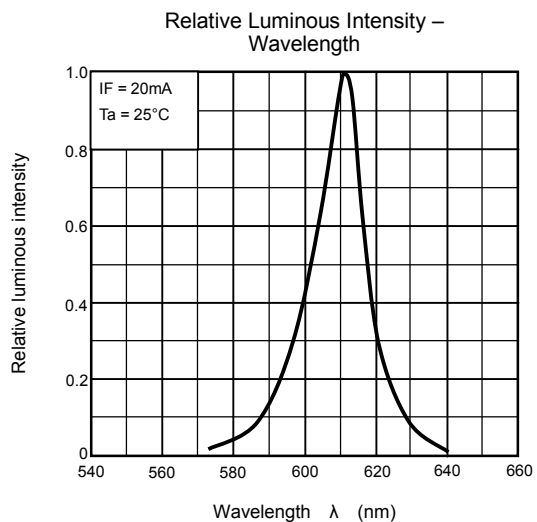
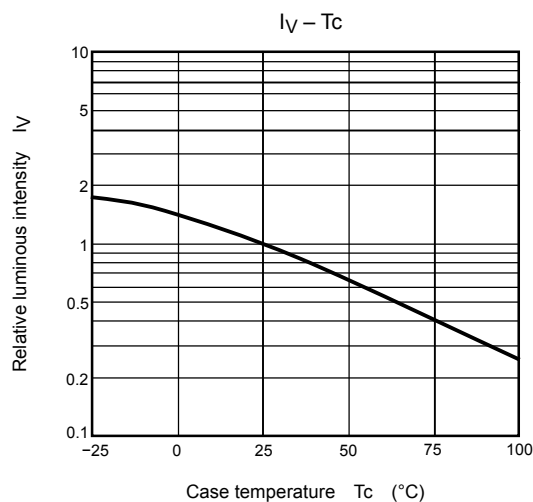
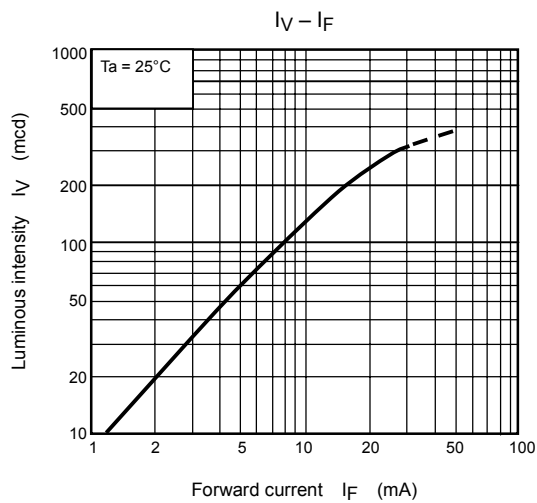
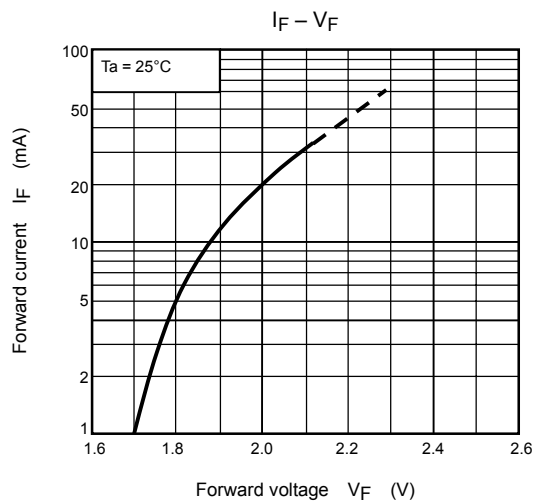
Product	Typ.Emission Wevelength			Luminous Intensity I <sub>v</sub>			Forward Voltage V <sub>F</sub>			Reverse Current I <sub>R</sub>	
	λ <sub>p</sub>	Δλ	I <sub>F</sub>	Min	Typ.	I <sub>F</sub>	Typ.	Max	I <sub>F</sub>	Max	V <sub>R</sub>
TLOU114P	612	15	20	47.6	250	20	2.0	2.4	20	50	4
TLSU114P	636	17	20	47.6	250	20	2.0	2.4	20	50	4
TLYU114P	590	13	20	47.6	130	20	2.1	2.5	20	50	4
Unit	nm		mA	mcd		mA	V		mA	μA	V

## Precaution

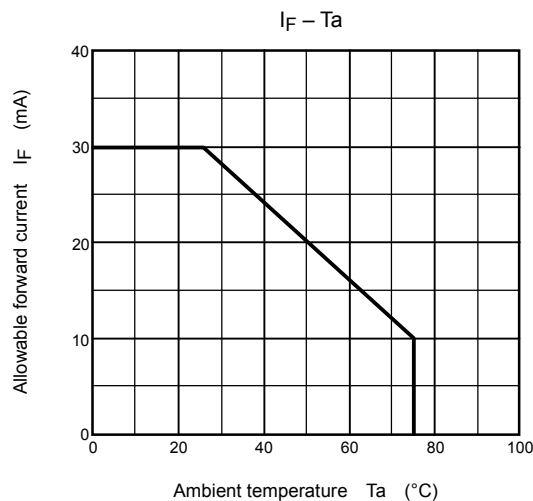
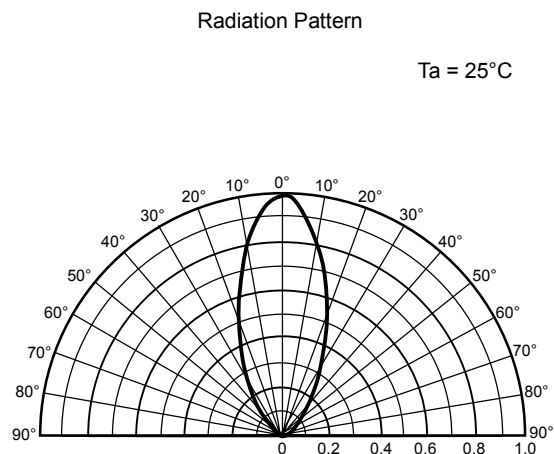
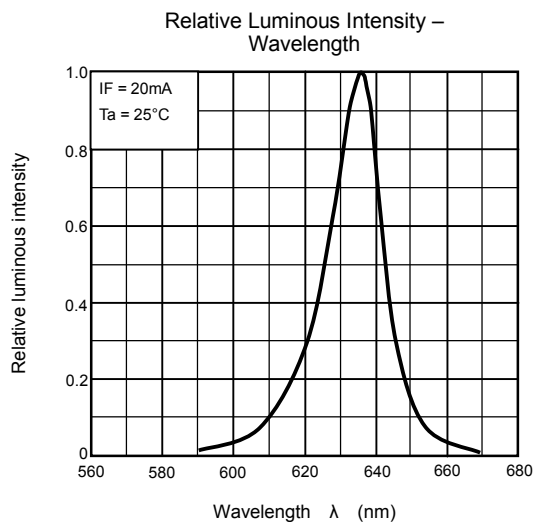
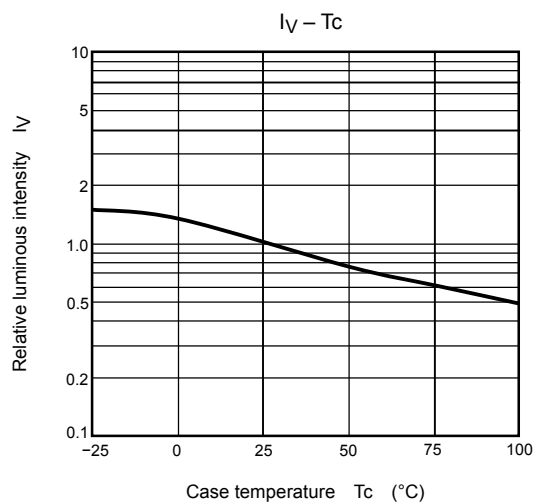
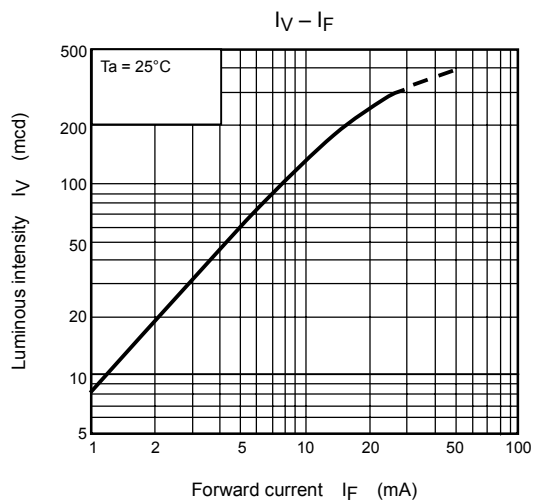
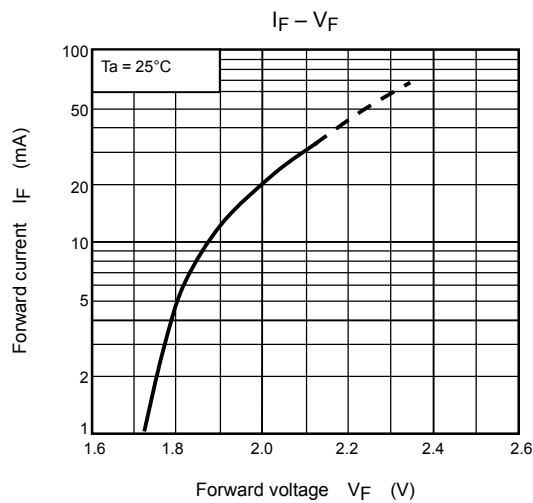
Please be careful of the followings

- Soldering temperature: 260°C max     Soldering time: 3s max  
(Soldering portion of lead: up to 2mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5mm 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.

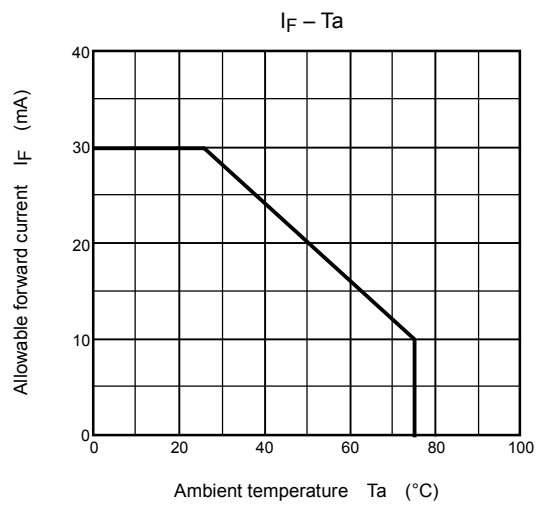
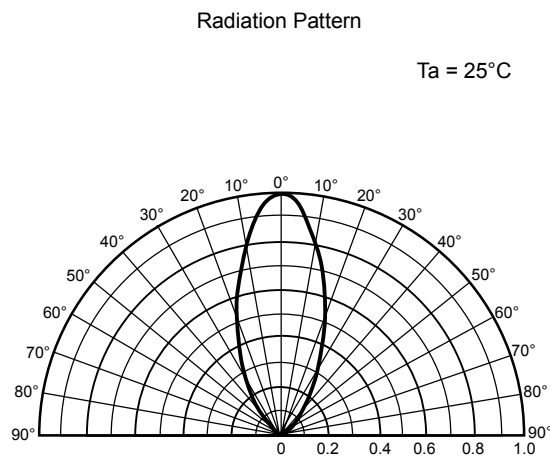
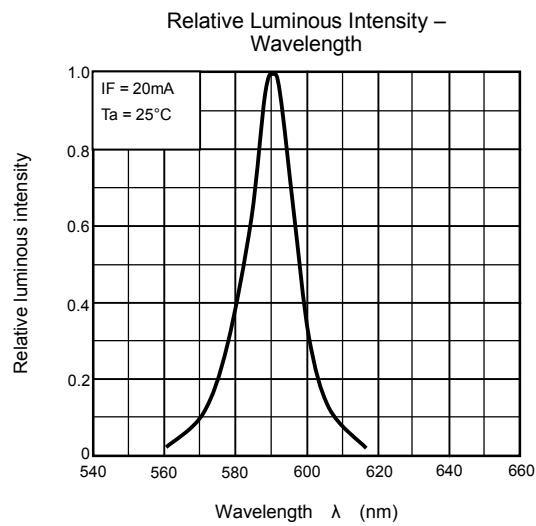
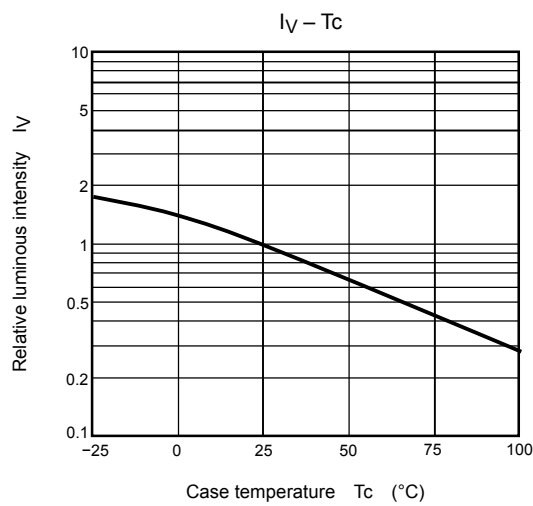
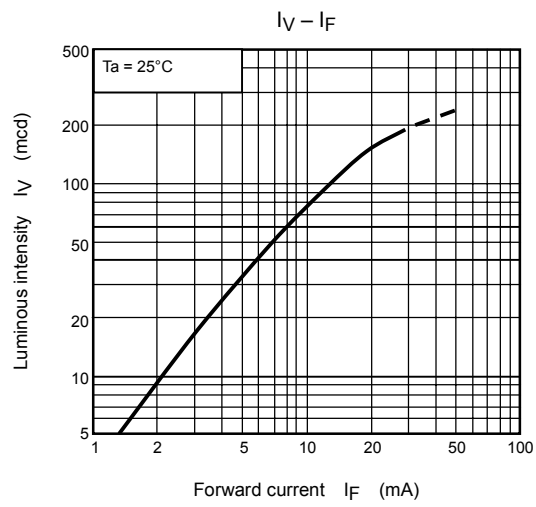
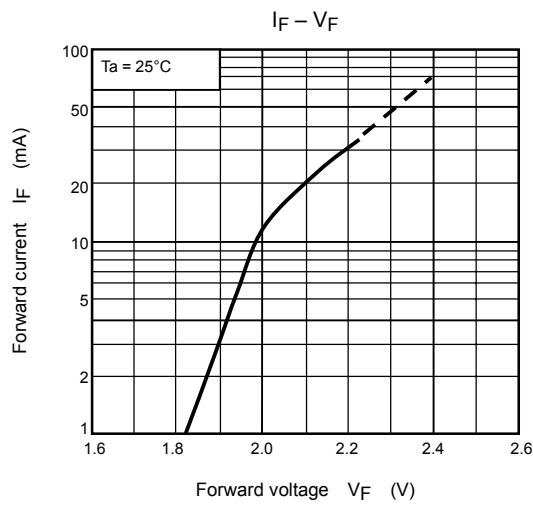
TLOU114P



TLSU114P



TLYU114P



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