

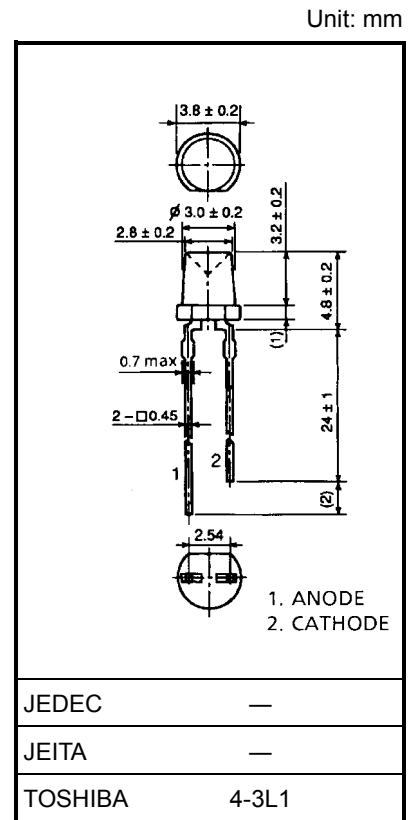
**TLRE60T, TLOE60T, TLYE60T, TLGE60T**

Panel Circuit Indicators

- $\phi 3$  mm package
- InGaAlP technology
- All plastic mold type
- Transparent lens
- Line-up: 4 colors (red, orange, yellow and green)
- High intensity light emission
- Excellent low current light output
- Wide radiation pattern
- Applications: backlighting

Line-up

Product Name	Color	Material
TLRE60T	Red	InGaAlP
TLOE60T	Orange	
TLYE60T	Yellow	
TLGE60T	Green	



Weight: 0.12 g

Maximum Ratings (Ta = 25°C)

Product Name	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>opr</sub> (°C)	Storage Temperature T <sub>stg</sub> (°C)
TLRE60T	50	4	120	-40~100	-40~120
TLOE60T					
TLYE60T					
TLGE60T					

## Electrical and Optical Characteristics (Ta = 25°C)

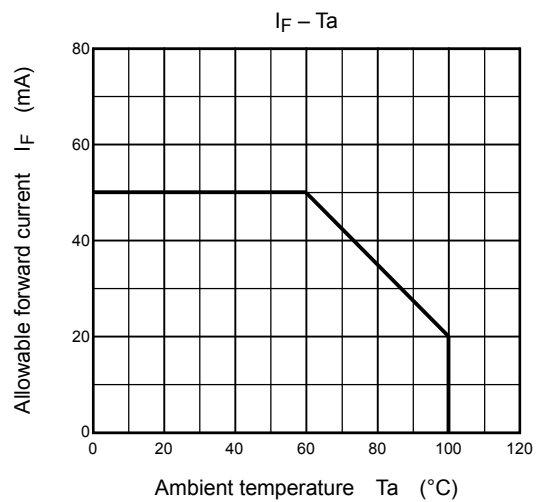
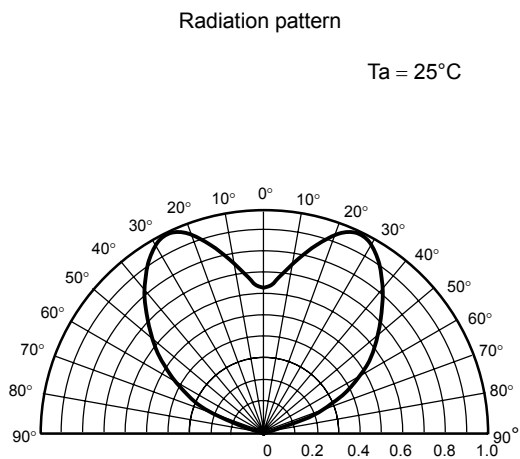
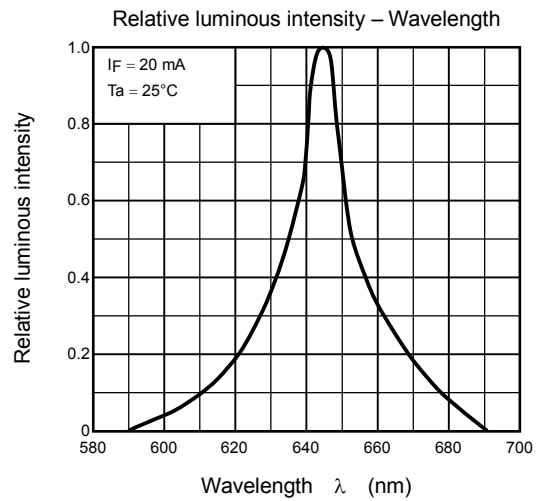
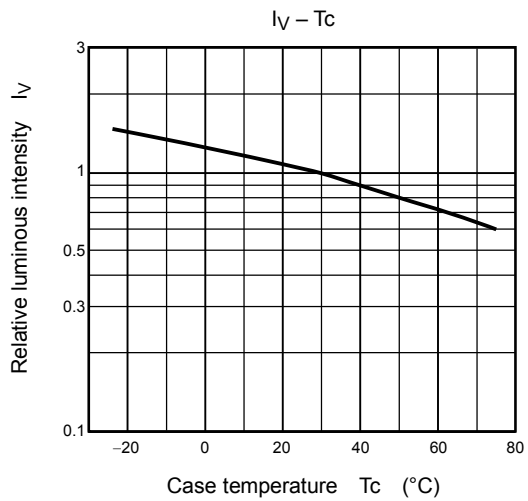
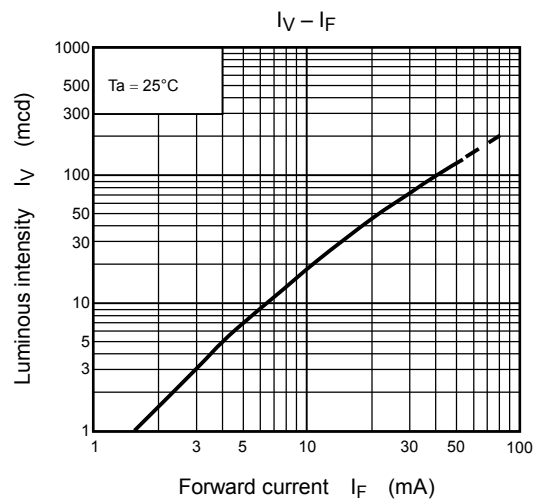
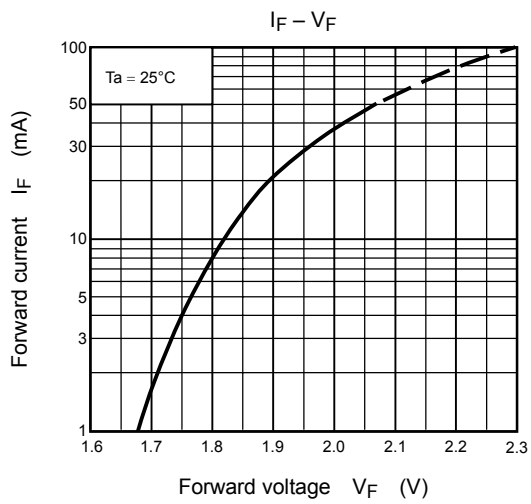
Product Name	Typ. Emission Wavelength				Luminous Intensity I <sub>V</sub>			Forward Voltage V <sub>F</sub>			Reverse Current I <sub>R</sub>	
	λ <sub>d</sub>	λ <sub>p</sub>	Δλ	I <sub>F</sub>	Min	Typ.	I <sub>F</sub>	Min	Typ.	I <sub>F</sub>	Max	V <sub>R</sub>
TLRE60T	630	(644)	20	20	15.3	45	20	1.9	2.4	20	50	4
TLOE60T	605	(612)	20	20	27.2	100	20	2.0	2.4	20	50	4
TLYE60T	587	(590)	17	20	27.2	85	20	2.0	2.4	20	50	4
TLGE60T	571	(574)	17	20	15.3	50	20	2.0	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

## Precautions

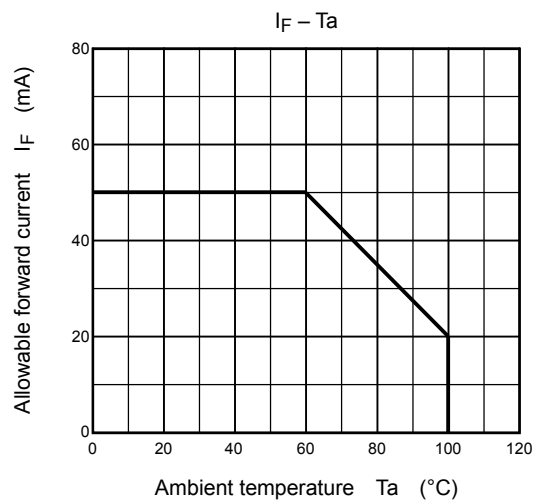
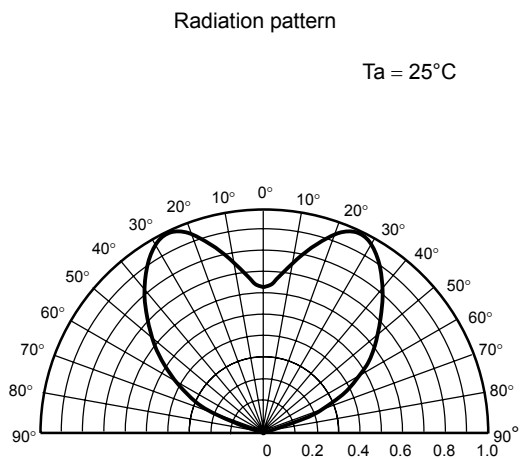
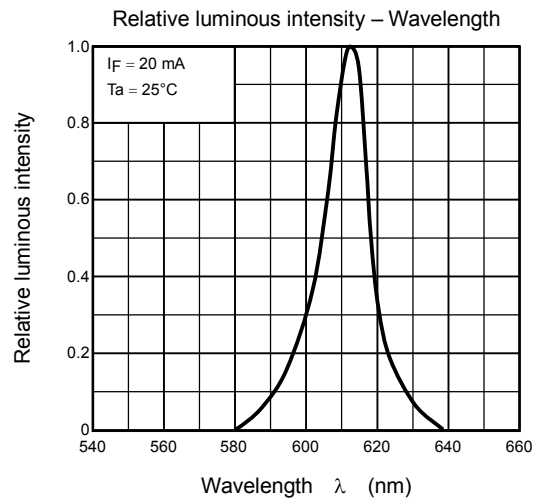
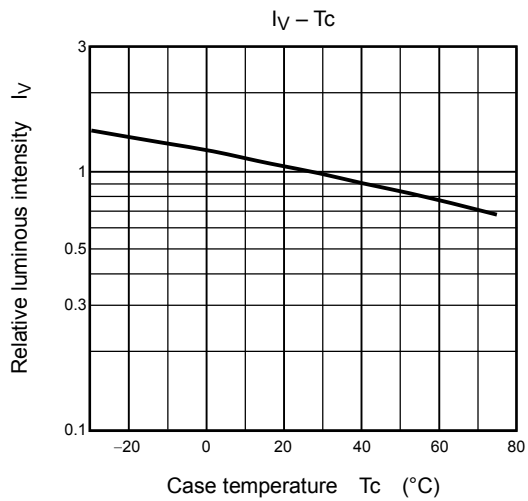
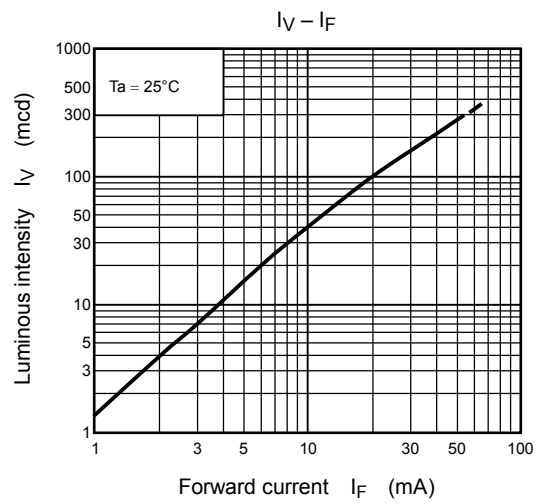
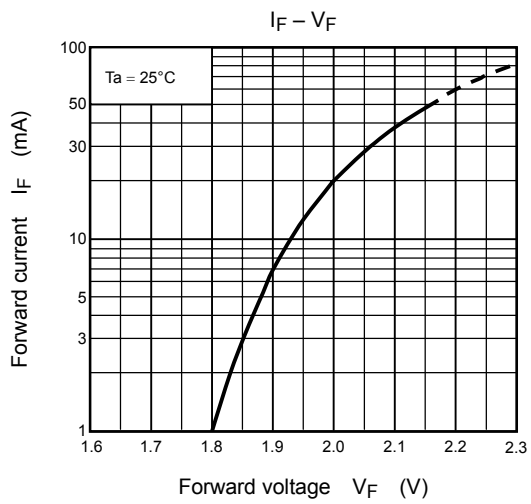
Please be careful of the following:

- 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.

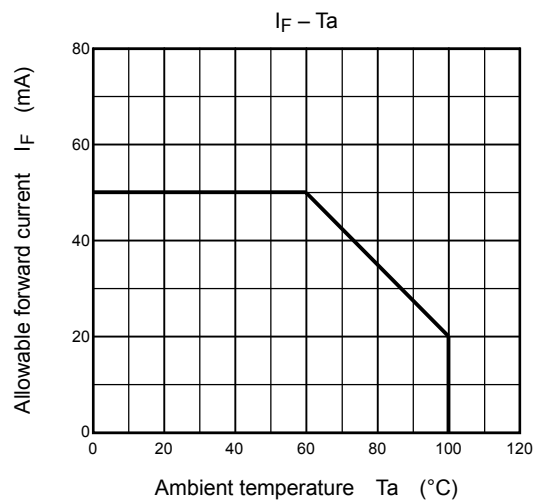
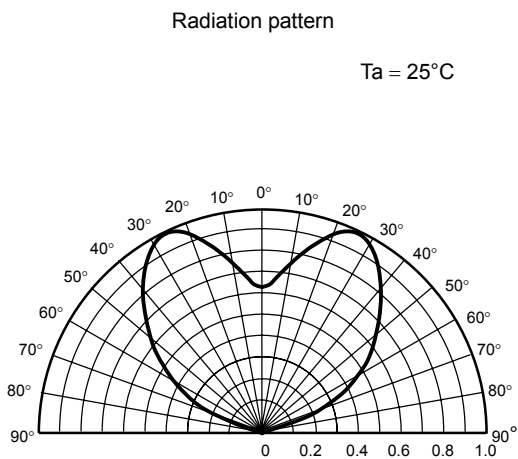
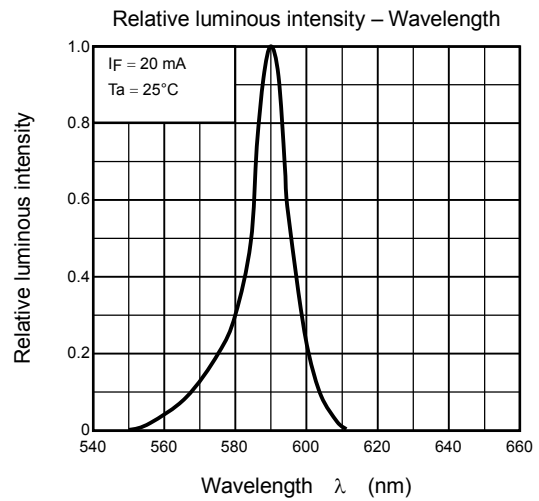
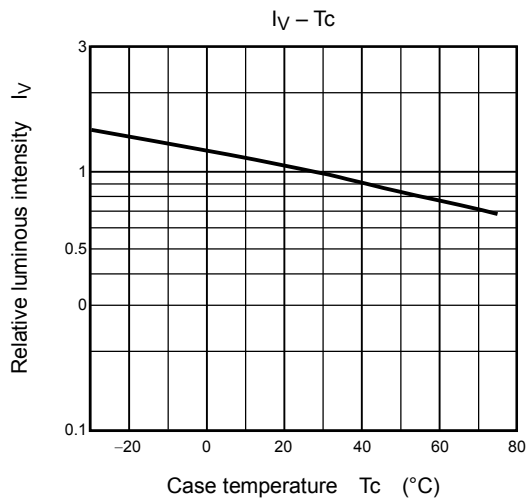
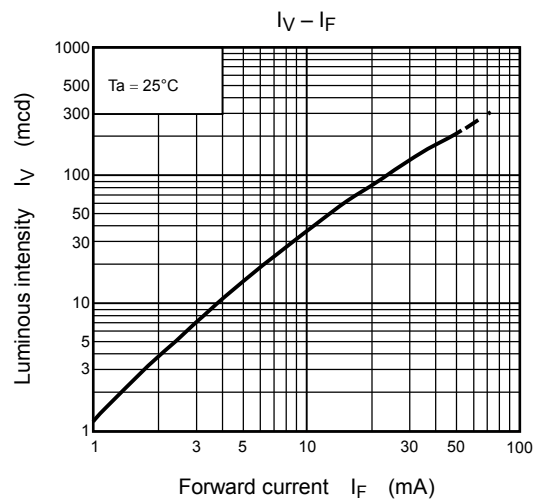
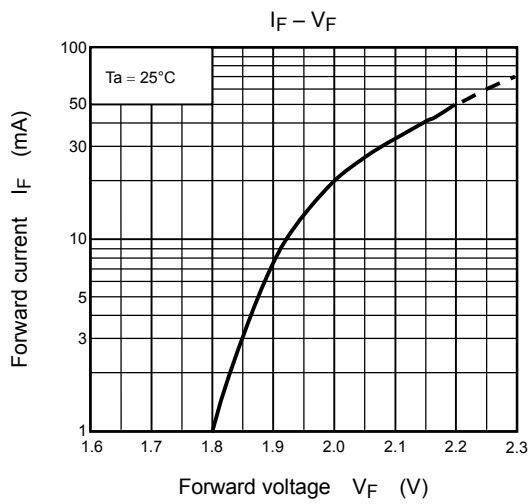
## TLRE60T



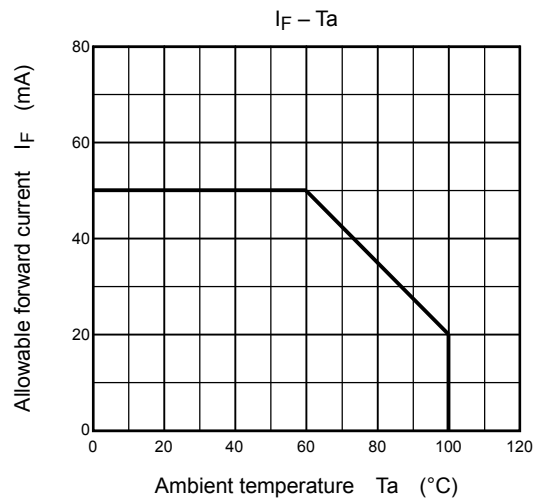
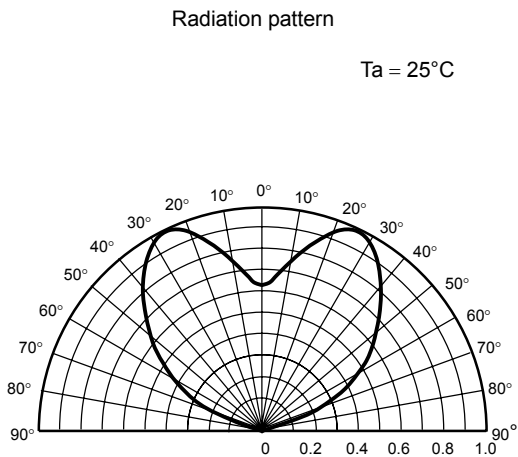
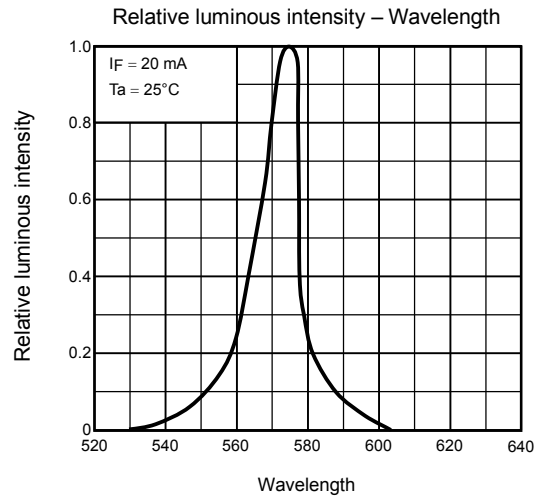
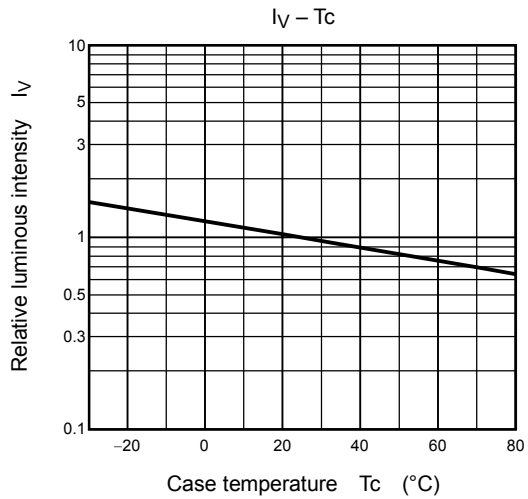
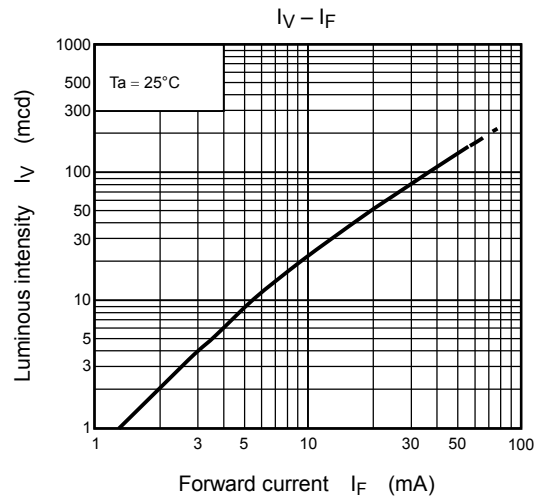
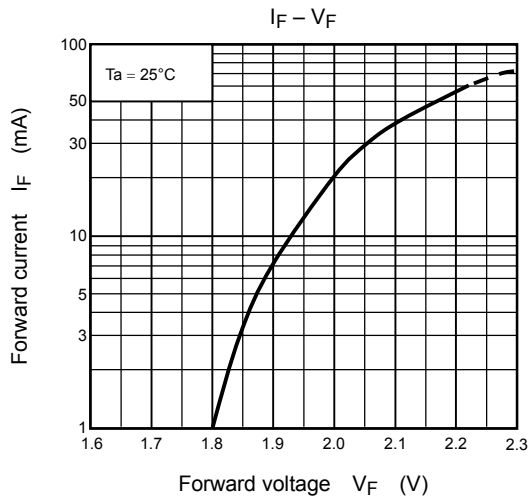
## TLOE60T



## TLYE60T



## TLGE60T



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