

TLPGE19TP, TLFGE19TP, TLGE19TP, TLPYE19TP

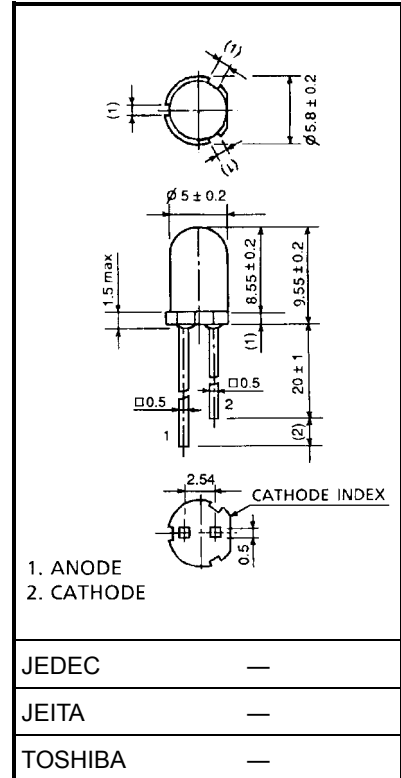
Panel Circuit Indicator

Unit: mm

- 5 mm package
- InGaAlP technology
- All plastic mold type
- Transparent lens
- Lineup: 3colors (pure green, green, pure yellow)
- High intensity light emission
- Excellent low current light output
- Applications: Traffic signals, Safety equipment, Backlight
- Stopper lead type is also available
TLPGE19T, TLFGE19T, TLGE19T, TLPYE19T

Line-up

Product Name	Color	Material
TLPGE19TP	Pure Green	InGaAlP
TLFGE19TP	Green	
TLGE19TP	Green	
TLPYE19TP	Pure Yellow	



Weight: 0.31 g

Maximum Ratings (Ta = 25°C)

Product Name	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Power Dissipation P_D (mW)	Operating Temperature T_{opr} (°C)	Storage Temperature T_{stg} (°C)
TLPGE19TP	50	4	120	-40~100	-40~120
TLFGE19TP	50	4	120		
TLGE19TP	50	4	120		
TLPYE19TP	50	4	120		

Electrical and Optical Characteristics (Ta = 25°C)

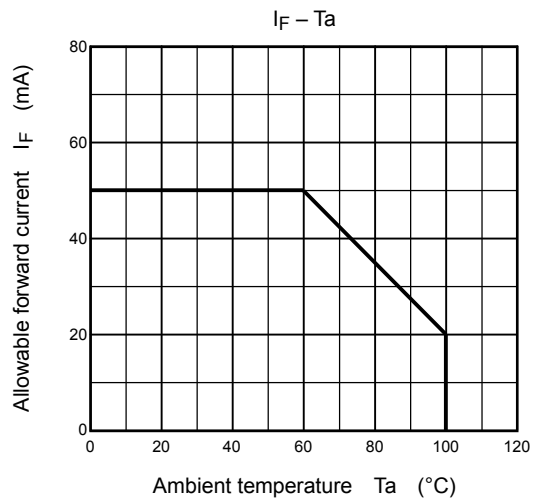
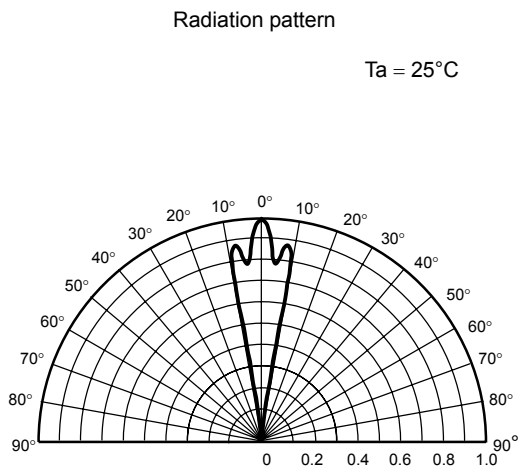
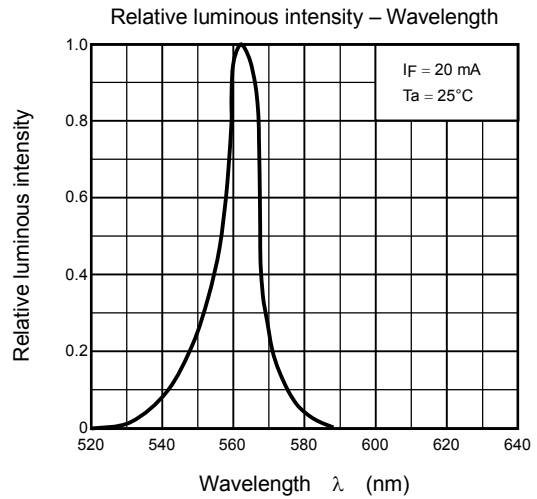
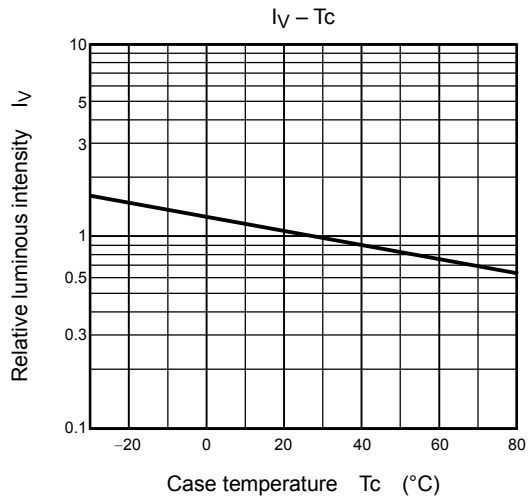
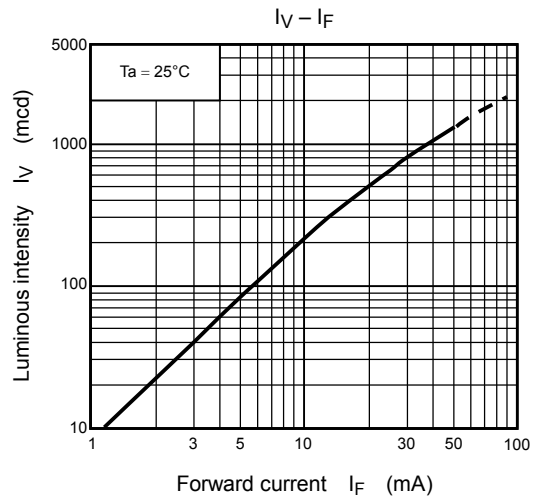
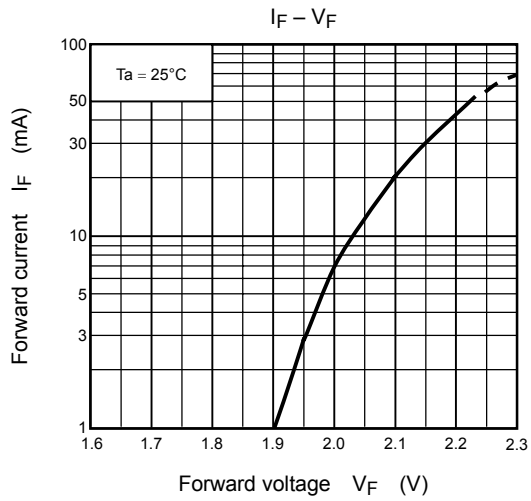
Product Name	Typ. Emission Wavelength				Luminous Intensity I _V			Forward Voltage V _F			Reverse Current I _R	
	λ _d	λ _p	Δλ	I _F	Min	Typ.	I _F	Typ.	Max	I _F	Max	V _R
TLPGE19TP	558	(562)	14	20	153	500	20	2.1	2.4	20	50	4
TLFGE19TP	565	(568)	15	20	272	800	20	2.0	2.4	20	50	4
TLGE19TP	571	(574)	17	20	476	1300	20	2.0	2.4	20	50	4
TLPYE19TP	580	(583)	14	20	476	2000	20	2.0	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

Precautions

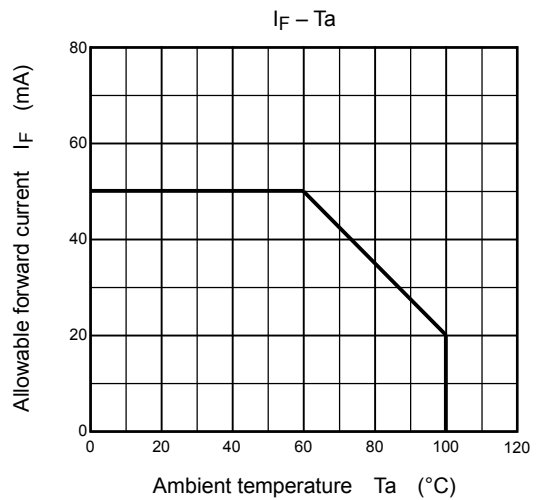
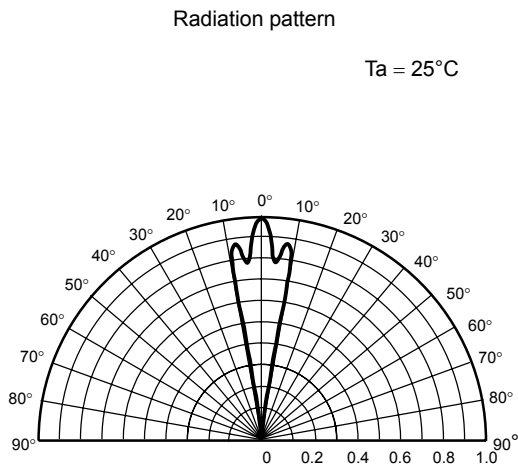
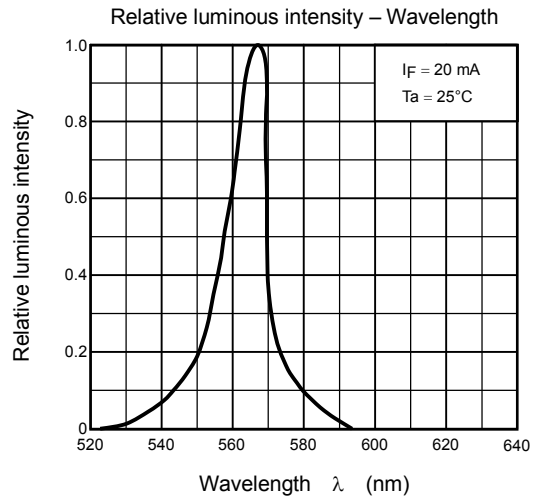
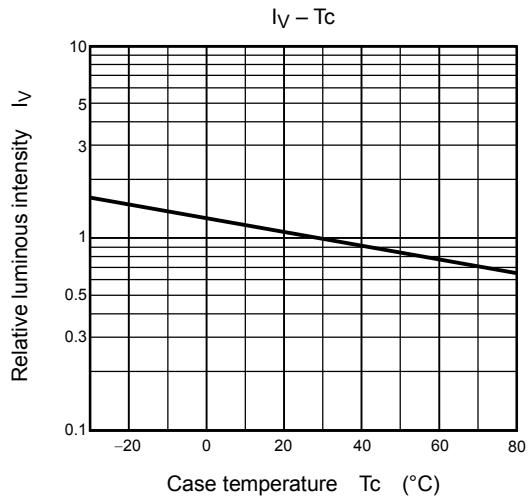
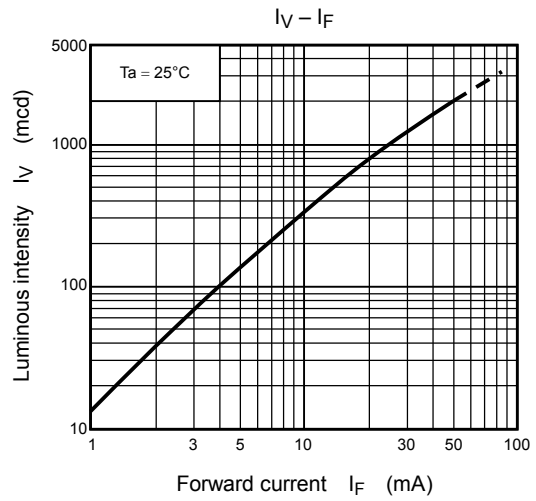
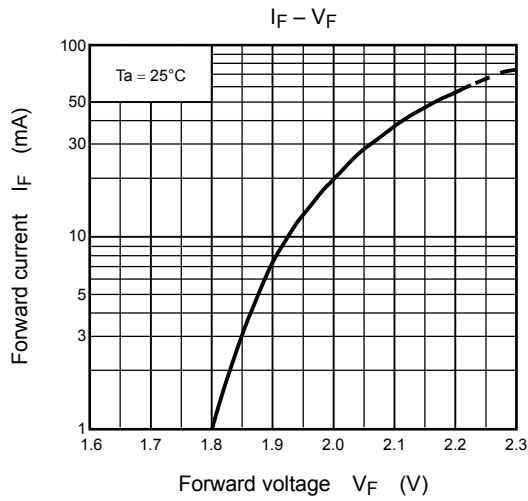
Please be careful of the following:

- 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.

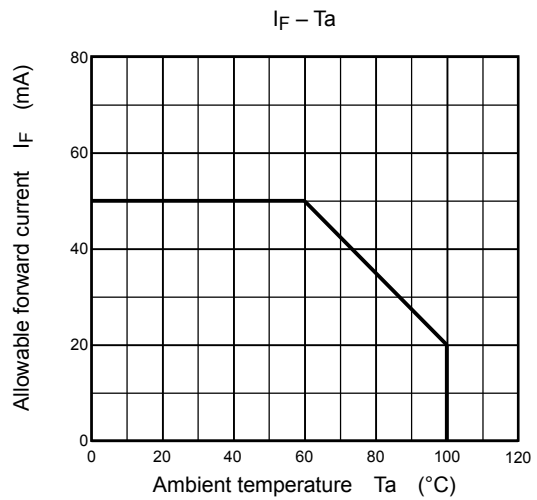
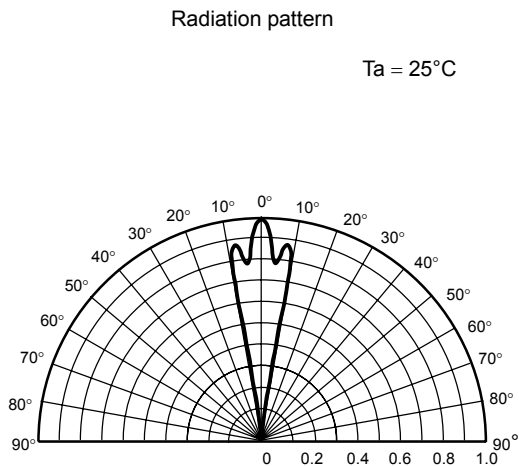
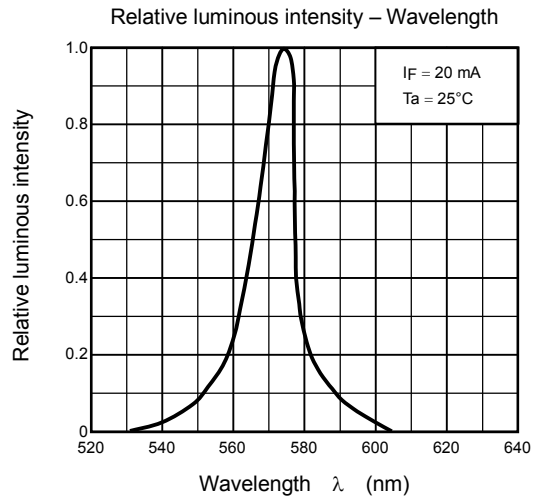
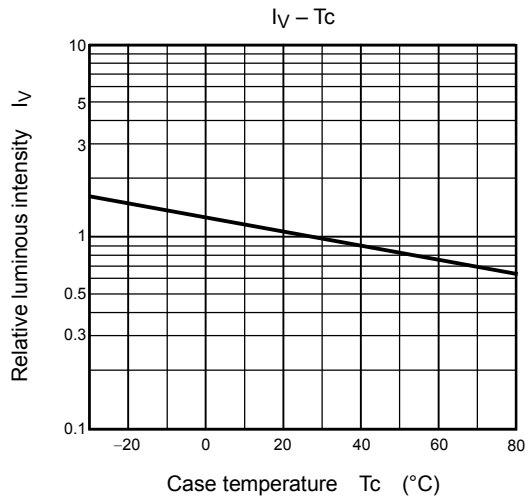
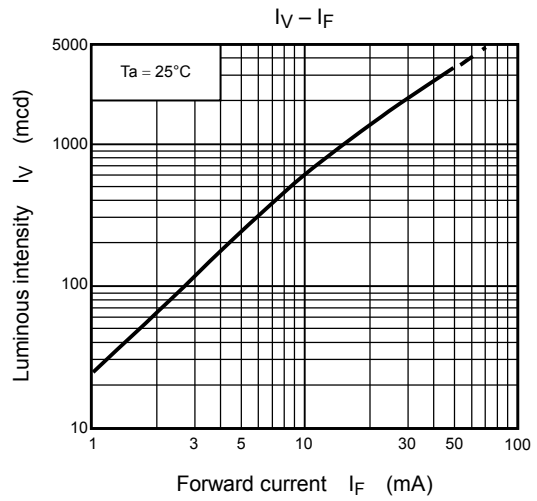
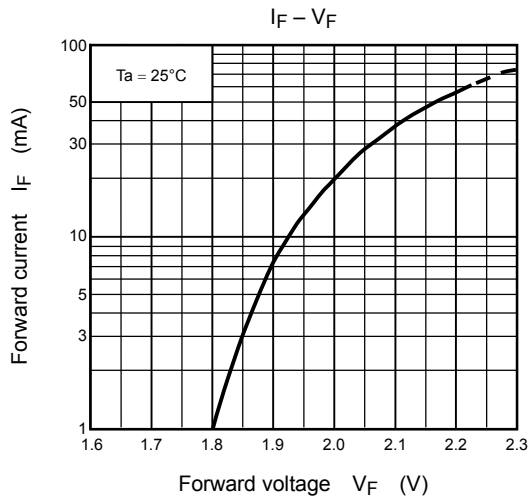
TLPGE19TP



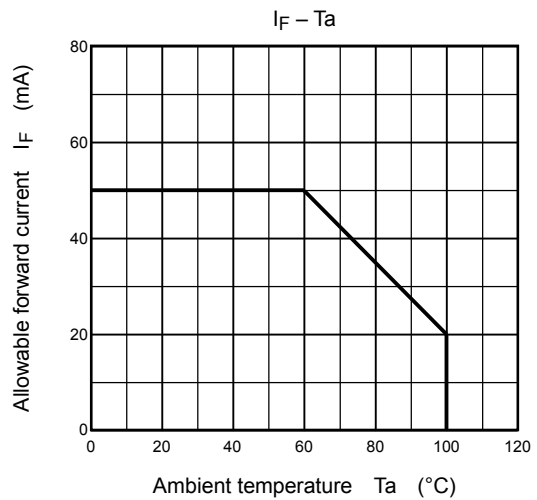
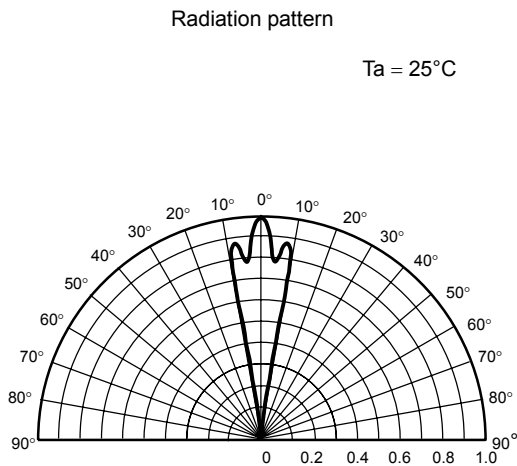
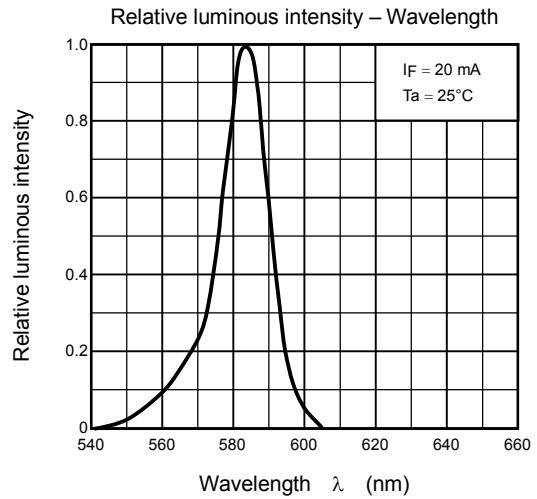
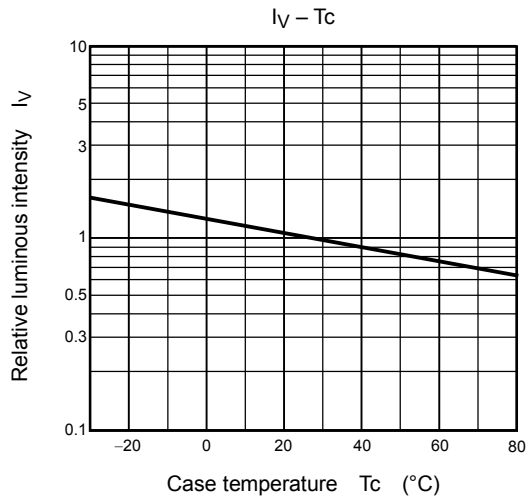
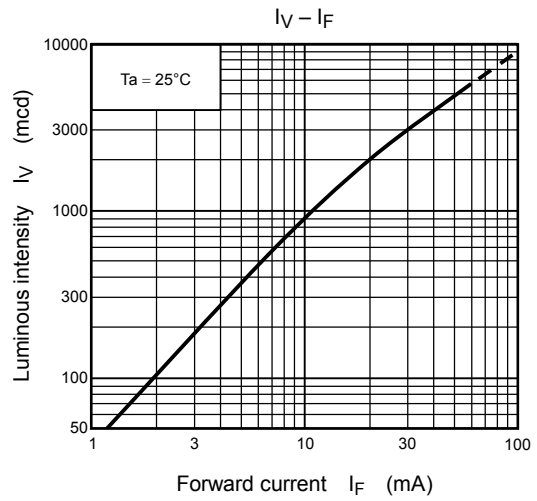
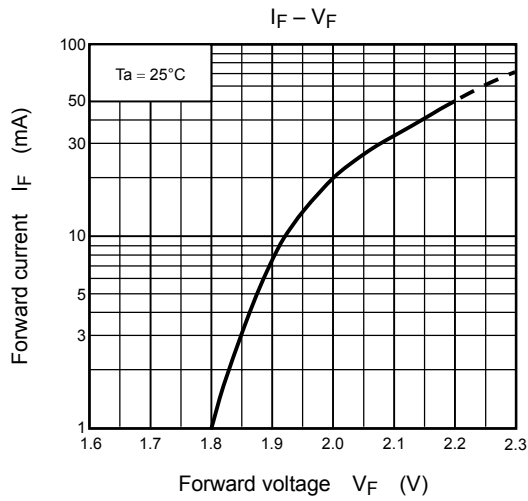
TLFGE19TP



TLGE19TP



TLPYE19TP



RESTRICTIONS ON PRODUCT USE

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