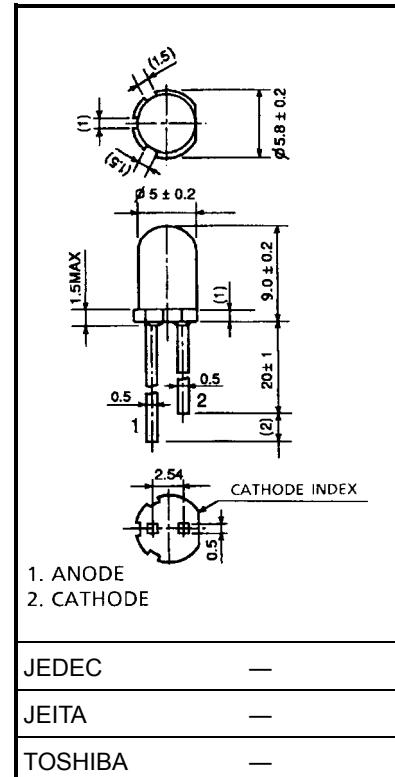


TLPGE18TP, TLFGE18TP, TLGE18TP, TLPYE18TP

Panel Circuit Indicator

Unit: mm

- 5 mm package
- InGaAlP technology
- All plastic mold type
- Transparent lens
- Line-up: 3 colors (pure green, green, pure yellow)
- High intensity light emission
- Excellent low current light output
- Stopper lead type is also available
TLPGE18T, TLFGE18T, TLGE18T, TLPYE18T
- Applications: outdoor message signboards, safety equipment, backlight, etc.



Weight: 0.31 g

Line-up

Product Name	Color	Material
TLPGE18TP	Pure Green	InGaAlP
TLFGE18TP	Green	
TLGE18TP	Green	
TLPYE18TP	Pure Yellow	

Maximum Ratings ($T_a = 25^\circ\text{C}$)

Product Name	Forward Current I_F (mA)	Reverse Voltage V_R (V)	Power Dissipation P_D (mW)	Operating Temperature T_{opr} ($^\circ\text{C}$)	Storage Temperature T_{stg} ($^\circ\text{C}$)
TLPGE18TP	50	4	120	-40~100	-40~120
TLFGE18TP	50	4	120		
TLGE18TP	50	4	120		
TLPYE18TP	50	4	120		

Electrical and Optical Characteristics (Ta = 25°C)

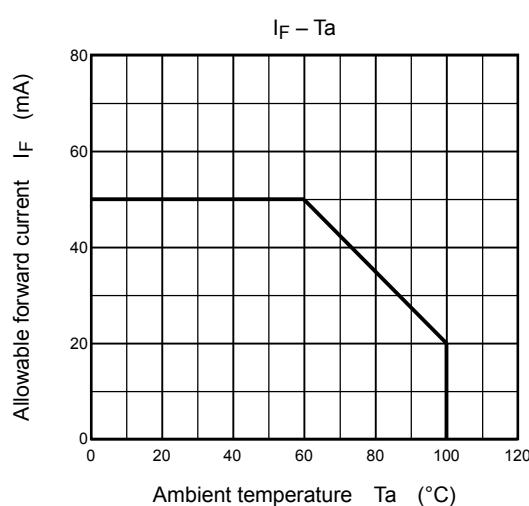
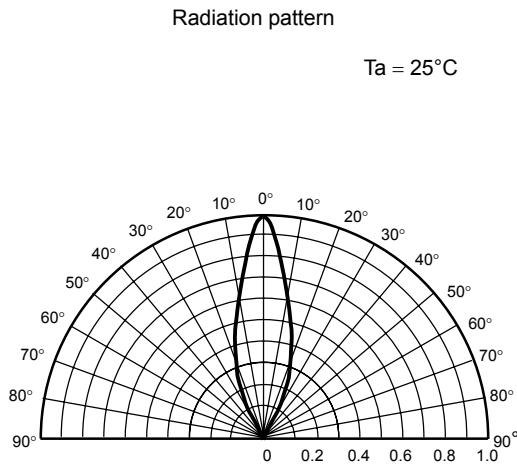
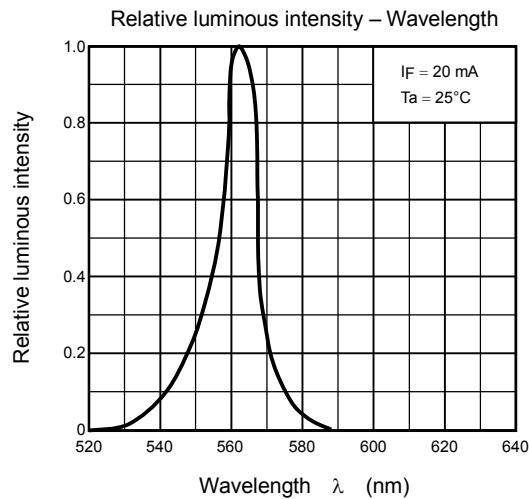
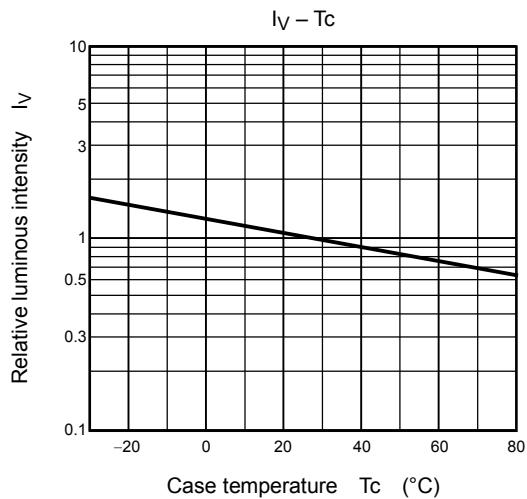
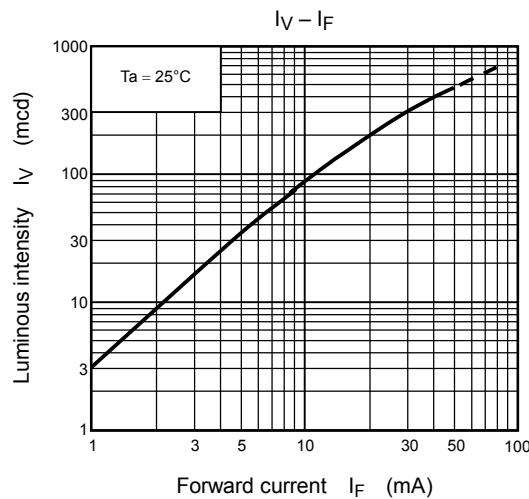
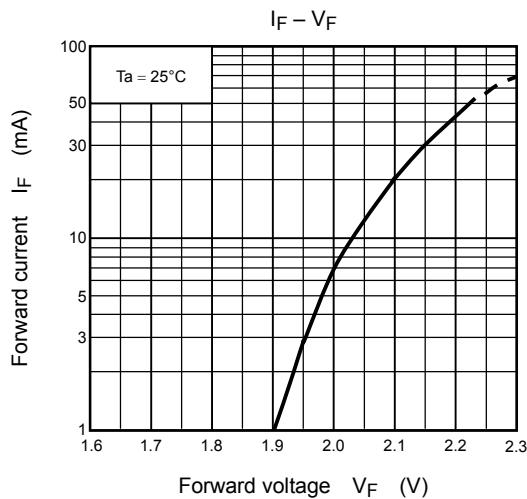
Product Name	Typ. Emission Wavelength				Luminous Intensity I _V			Forward Voltage V _F			Reverse Current I _R	
	λ _d	λ _P	Δλ	I _F	Min	Typ.	I _F	Typ.	Max	I _F	Max	V _R
TLPGE18TP	558	(562)	14	20	85	200	20	2.1	2.4	20	50	4
TLFGE18TP	565	(568)	15	20	85	300	20	2.0	2.4	20	50	4
TLGE18TP	571	(574)	17	20	272	700	20	2.0	2.4	20	50	4
TLPYE18TP	580	(583)	14	20	272	750	20	2.0	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

Precautions

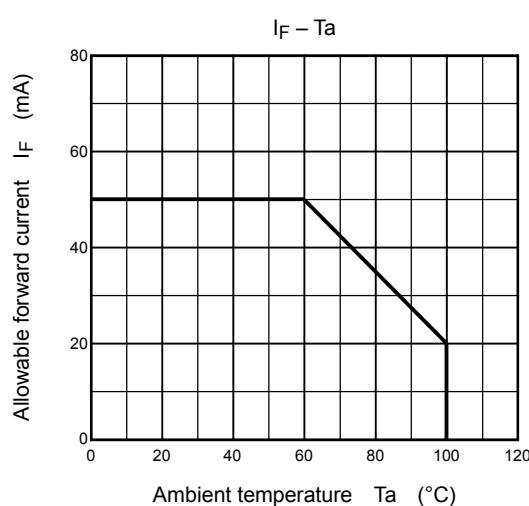
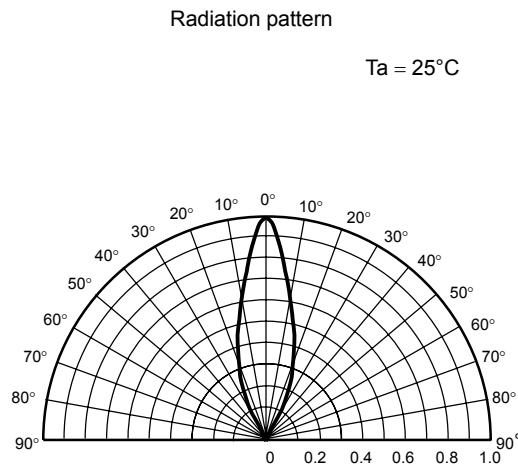
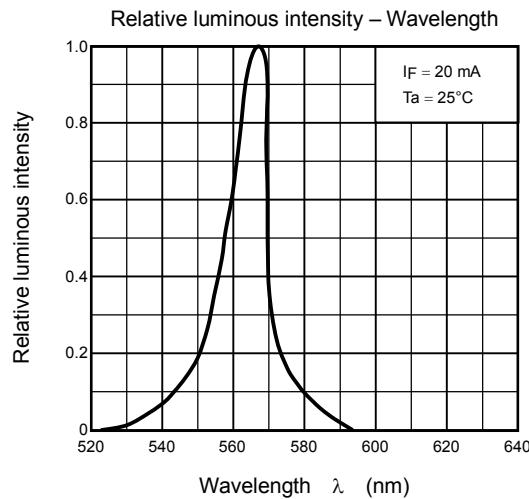
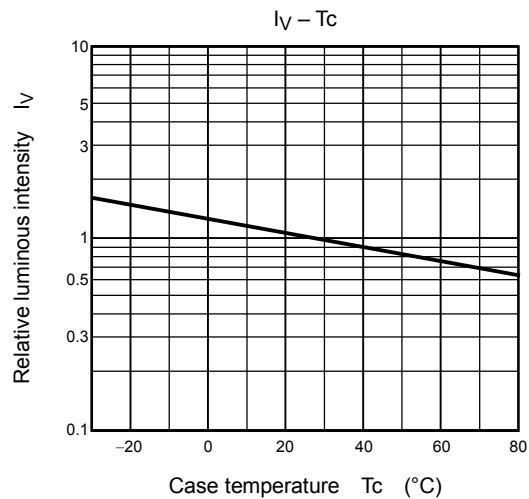
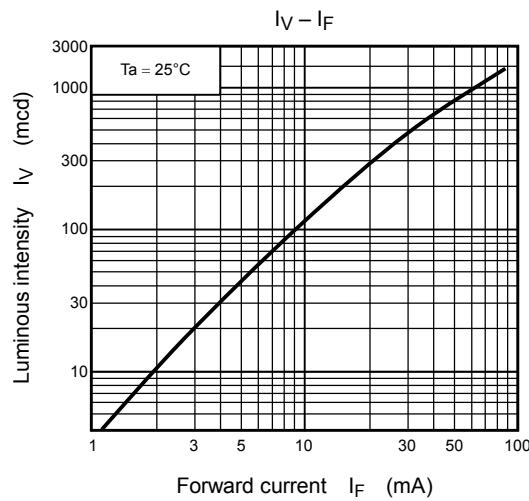
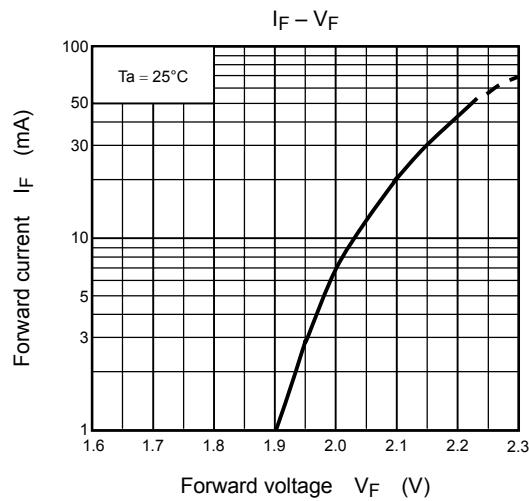
Please be careful of the following:

- 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.

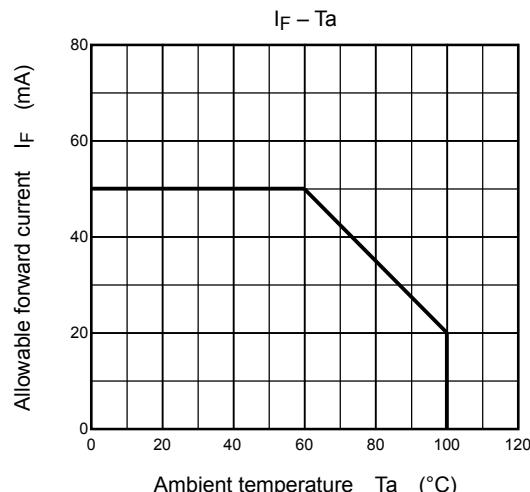
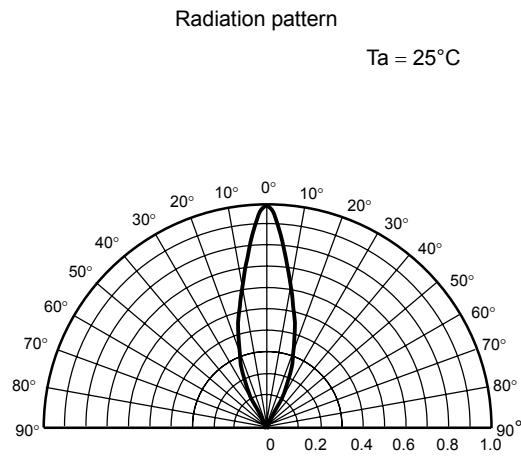
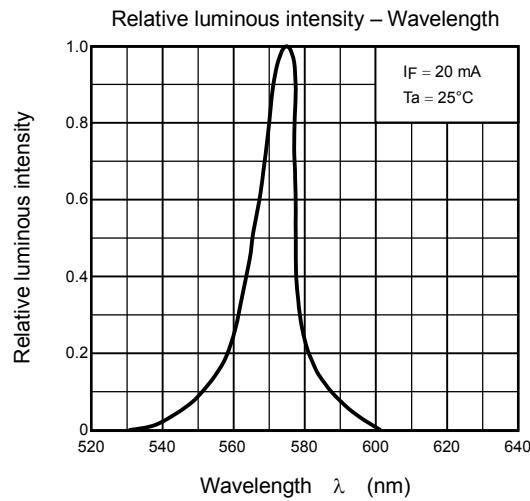
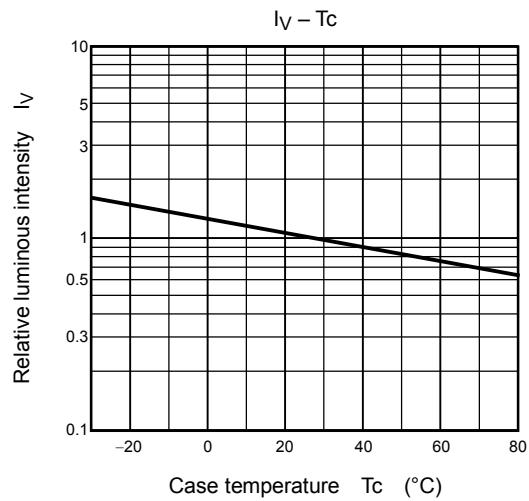
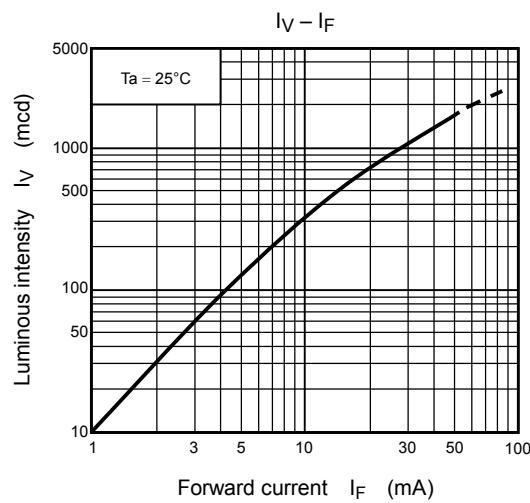
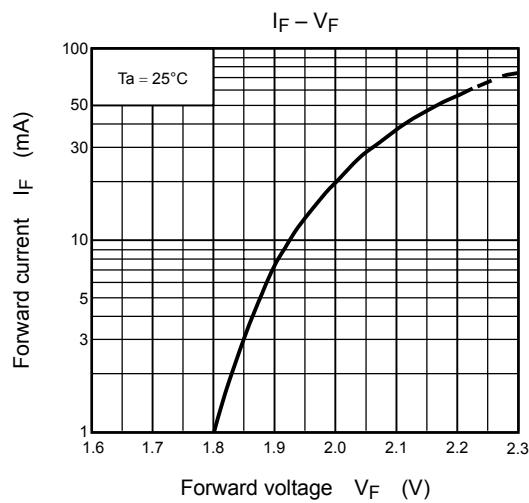
TLPGE18TP



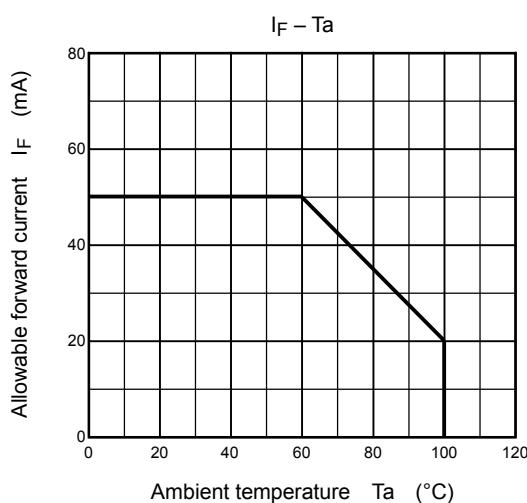
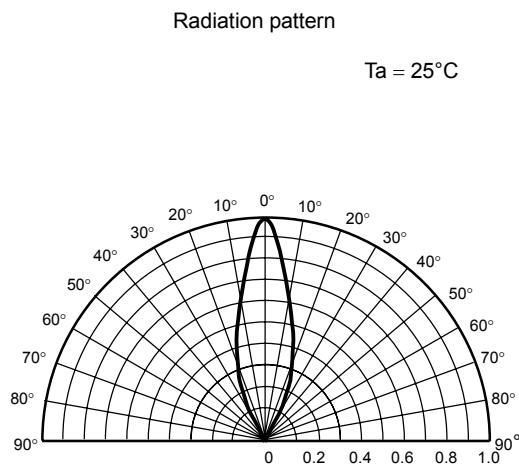
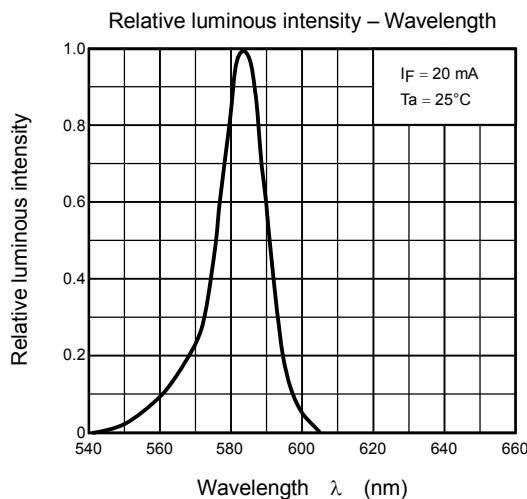
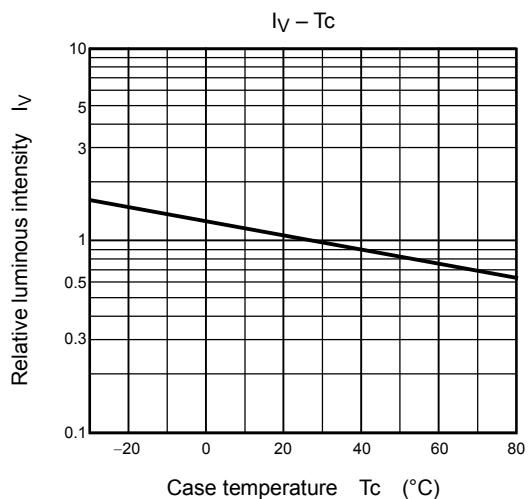
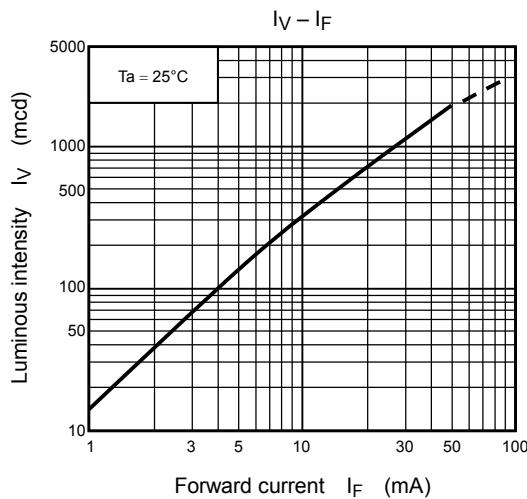
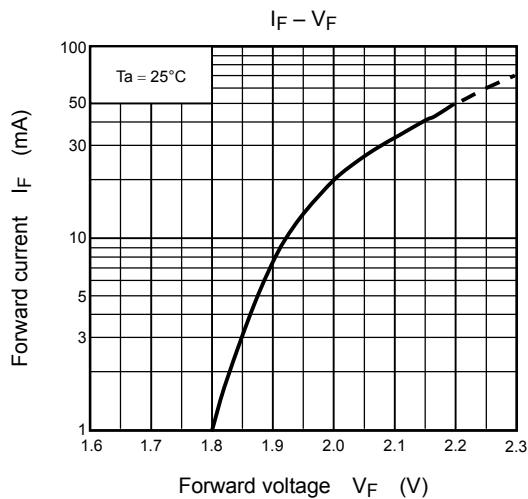
TLFGE18TP



TLGE18TP



TLPYE18TP



RESTRICTIONS ON PRODUCT USE

000707EAC

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