

TLPGE23TP(F),TLFGE23TP(F),TLGE23TP(F),TLPYE23TP(F)

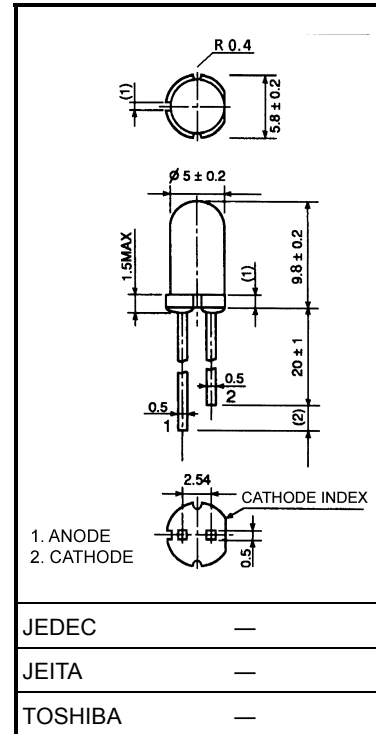
Panel Circuit Indicator

Unit: mm

- Lead(Pb)-free products (lead: Sn-Ag-Cu)
 - 5 mm package
 - InGaAlP technology
 - All plastic mold type
 - Transparent lens
 - Lineup: 3 colors (pure green, green, pure yellow)
 - High intensity light emission
 - Excellent low current light output
 - Stopper lead type is also available
- TLPGE23T, TLFGE23T, TLGE23T, TLPYE23T
- Applications: traffic signals, safety equipment, etc.

Lineup

Product Name	Color	Material
TLPGE23TP(F)	Pure Green	InGaAlP
TLFGE23TP(F)	Green	
TLGE23TP(F)	Green	
TLPYE23TP(F)	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)
TLPGE23TP(F)	50	4	120	-40~100	-40~120
TLFGE23TP(F)	50	4	120		
TLGE23TP(F)	50	4	120		
TLPYE23TP(F)	50	4	120		

Electrical and Optical Characteristics (Ta = 25°C)

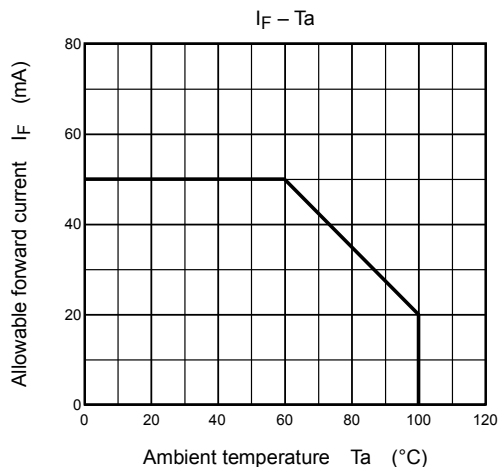
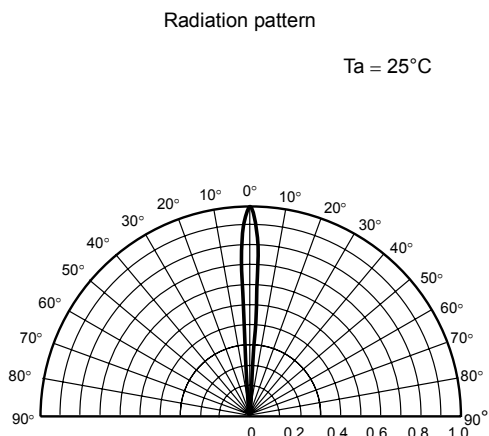
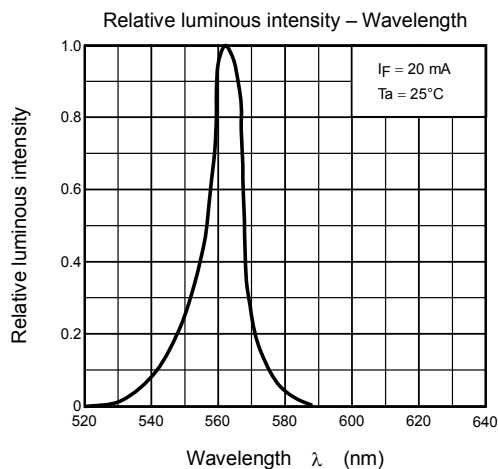
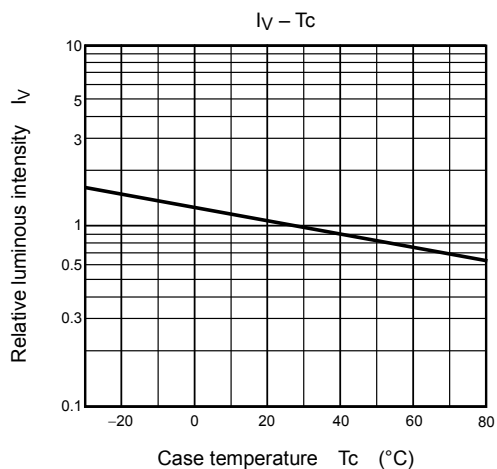
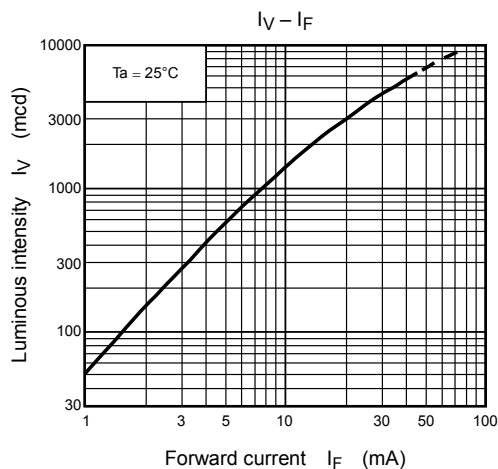
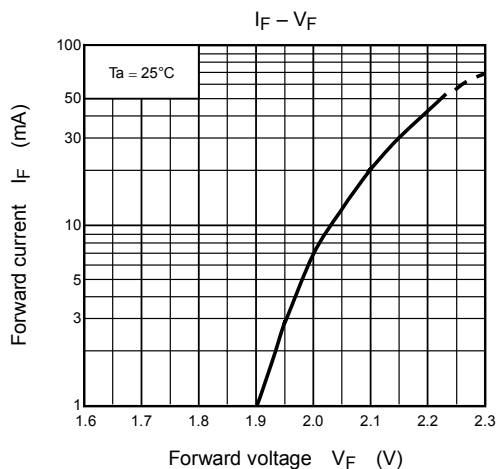
Product Name	Typ. Emission Wavelength				Luminous Intensity I _V			Forward Voltage V _F			Reverse Current I _R	
	λ _d	λ _p	Δλ	I _F	Min	Typ.	I _F	Typ.	Max	I _F	Max	V _R
TLPGE23TP(F)	558	(562)	14	20	850	3000	20	2.1	2.4	20	50	4
TLFGE23TP(F)	565	(568)	15	20	1530	5000	20	2.0	2.4	20	50	4
TLGE23TP(F)	571	(574)	17	20	2720	7000	20	2.0	2.4	20	50	4
TLPYE23TP(F)	580	(583)	14	20	2720	8000	20	2.0	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

Precautions

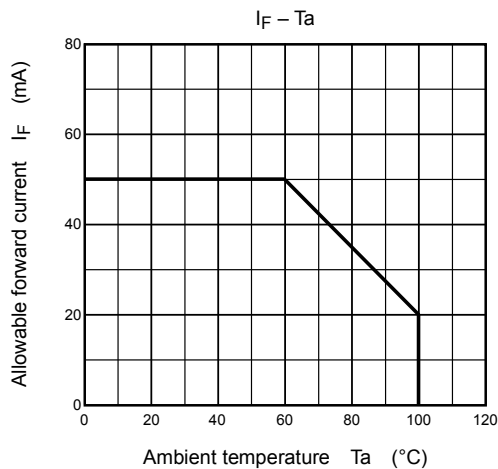
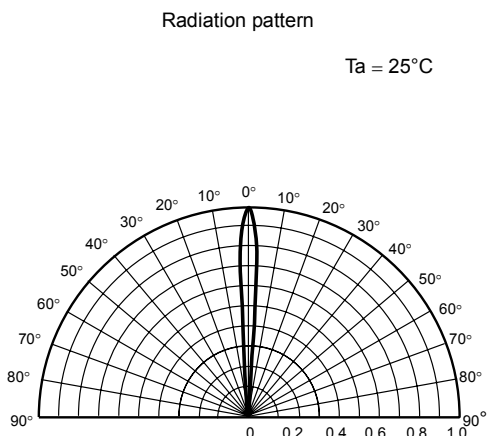
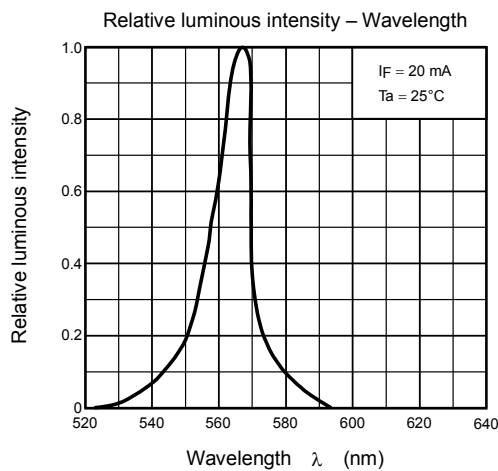
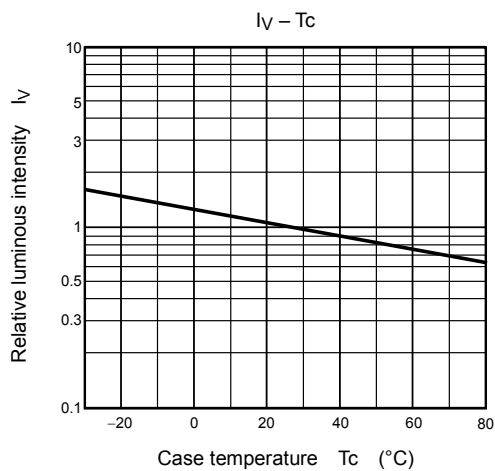
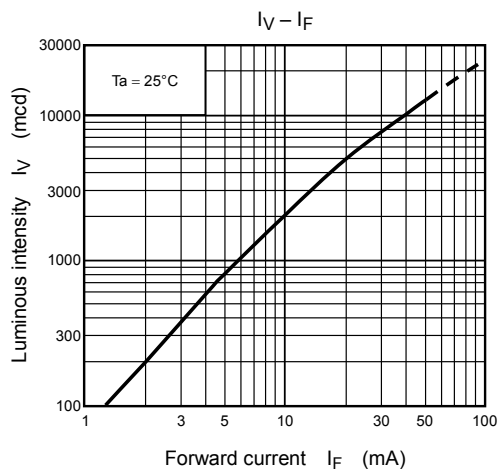
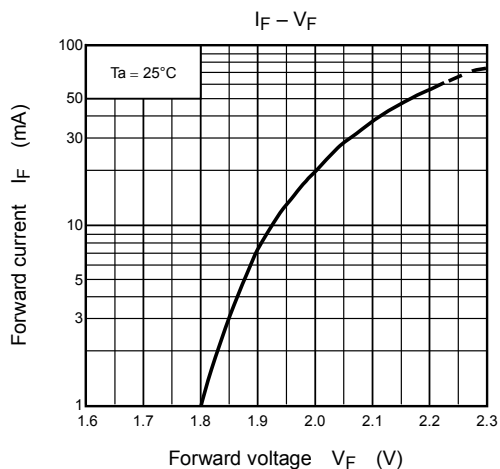
Please be careful of the following:

- 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.

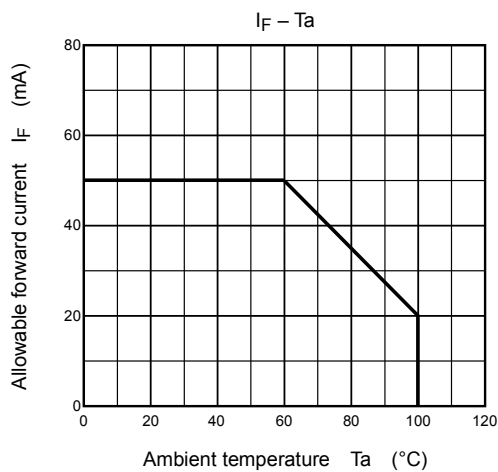
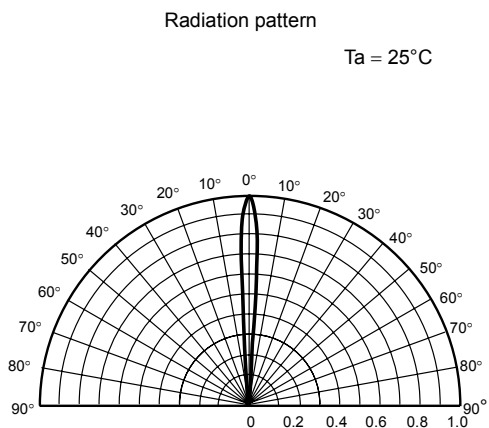
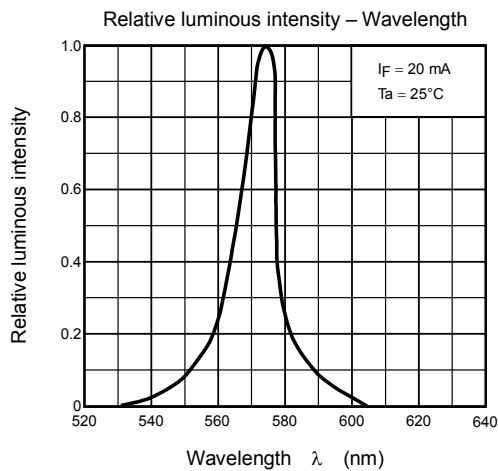
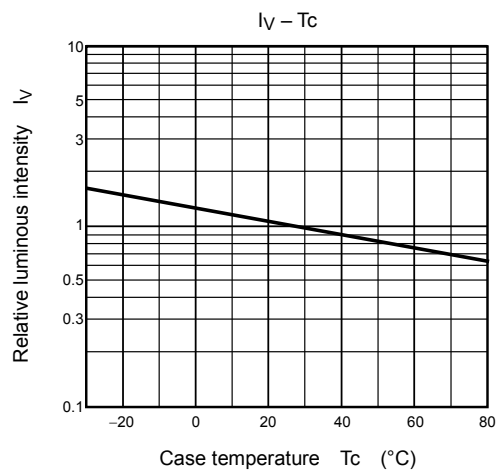
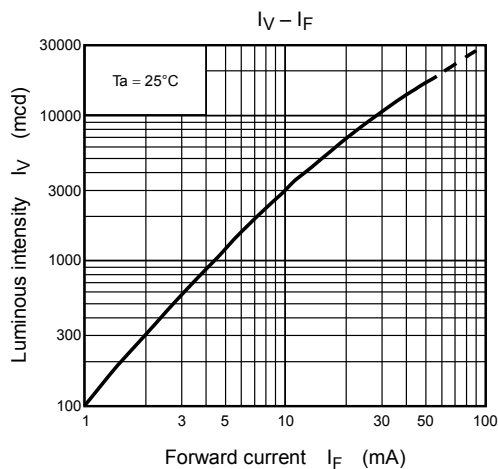
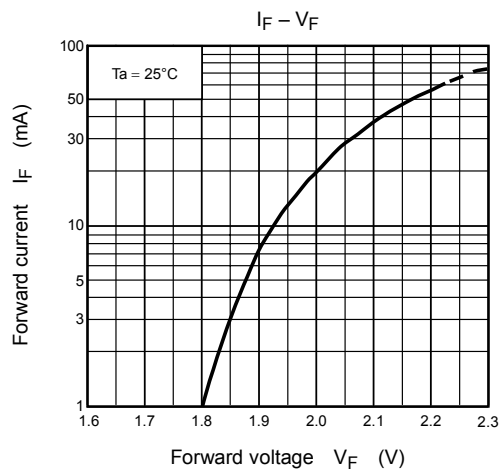
TLPGE23TP(F)



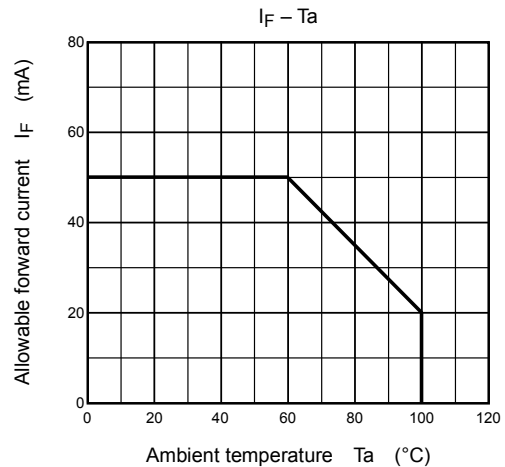
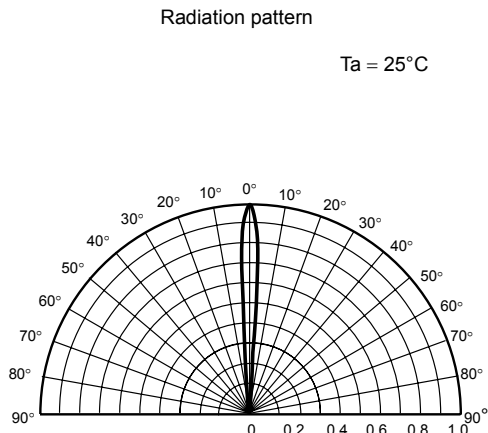
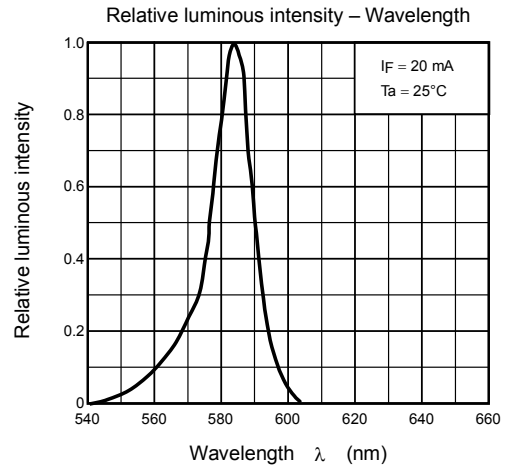
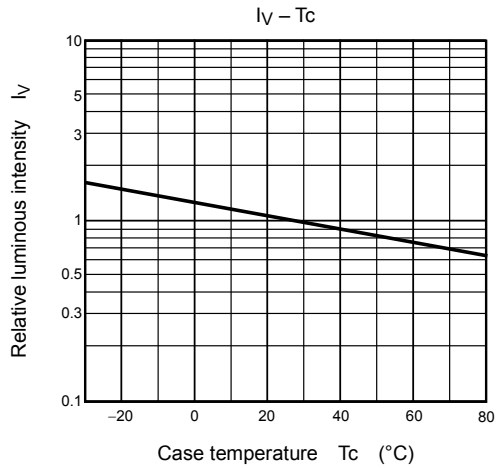
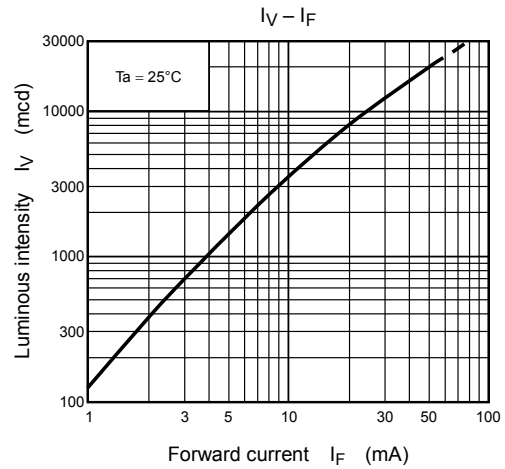
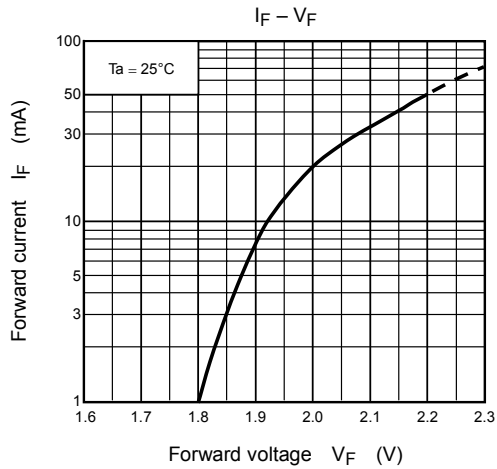
TLFGE23TP(F)



TLGE23TP(F)



TLPYE23TP(F)



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