

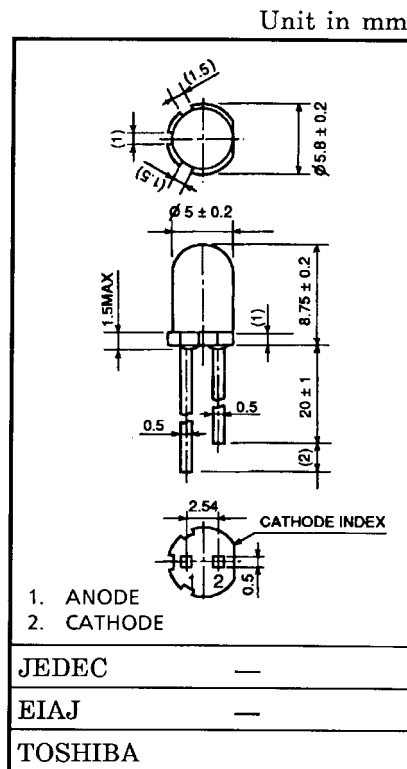
TLRE16TP,TLRME16TP,TLSE16TP,TLOE16TP,TLYE16TP

Panel Circuit Indicator

- 5 mm package
- InGaA/P technology
- All plastic mold type
- Transparent lens
- High intensity light emission
- Excellent low current light output
- Applications:
outdoor message signboards, safety equipment, automotive use, etc

Line-Up

Product Name	Color	Material
TLRE16TP	Red	InGaA/P
TLRME16TP	Red	
TLSE16TP	Red	
TLOE16TP	Orange	
TLYE16TP	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)
TLRE16TP	50	4	120	-40~100	-40~120
TLRME16TP	50	4	120		
TLSE16TP	50	4	120		
TLOE16TP	50	4	120		
TLYE16TP	50	4	120		

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- Gallium arsenide (GaAs) is a substance used in the products described in this document. GaAs dust and fumes are toxic. Do not break, cut or pulverize the product, or use chemicals to dissolve them. When disposing of the products, follow the appropriate regulations. Do not dispose of the products with other industrial waste or with domestic garbage.
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Electrical and Optical Characteristics (Ta = 25°C)

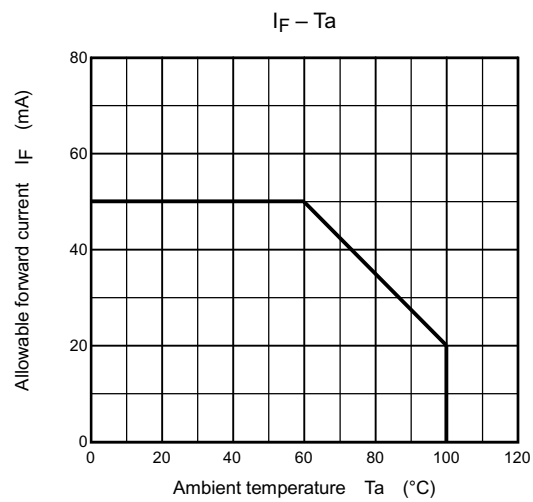
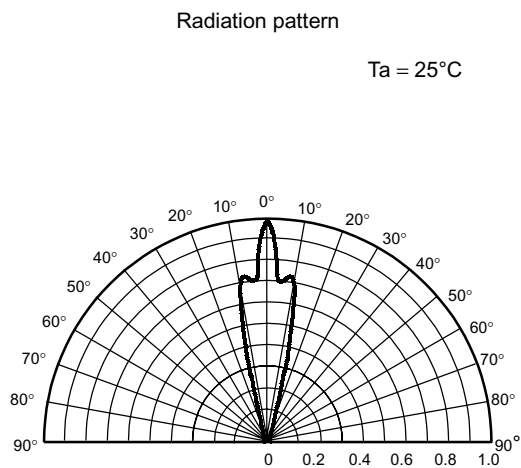
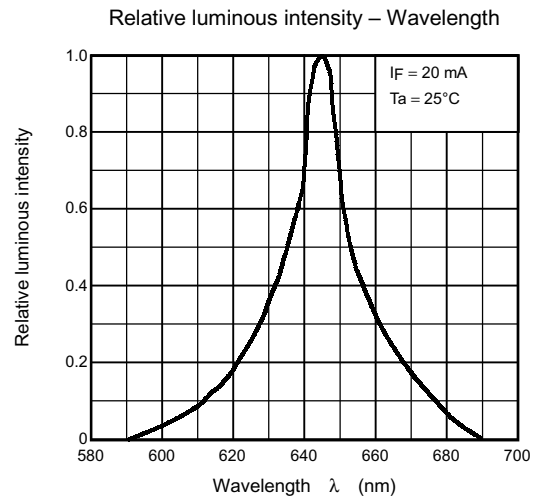
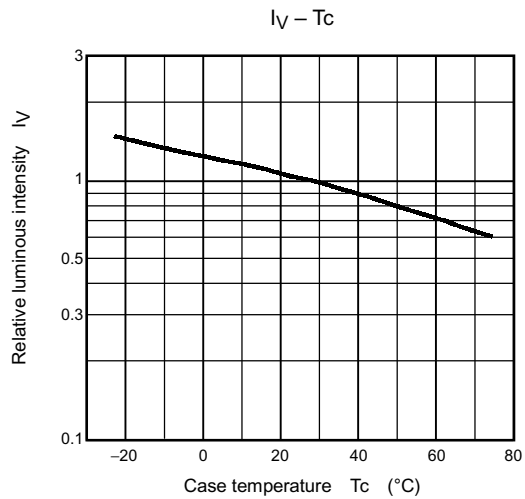
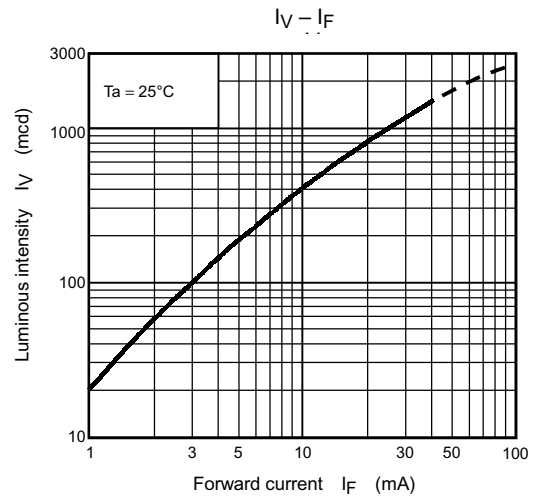
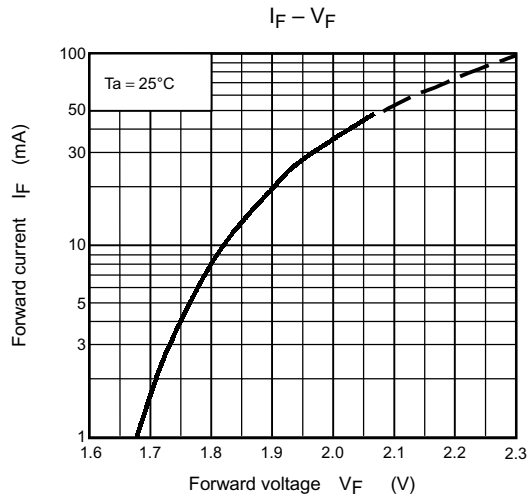
Product Name	Typ. Emission Wavelength				Luminous Intensity I _V			Forward Voltage V _F			Reverse Current I _R	
	λ _d	λ _p	Δλ	I _F	Min	Typ.	I _F	Typ.	Max	I _F	Max	V _R
TLRE16TP	630	(644)	20	20	272	800	20	1.9	2.4	20	50	4
TLRME16TP	626	(636)	23	20	272	1200	20	1.9	2.4	20	50	4
TLSE16TP	613	(623)	20	20	476	1500	20	1.9	2.4	20	50	4
TLOE16TP	605	(612)	20	20	850	2000	20	2.0	2.4	20	50	4
TLYE16TP	587	(590)	17	20	476	1500	20	2.0	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

Precautions

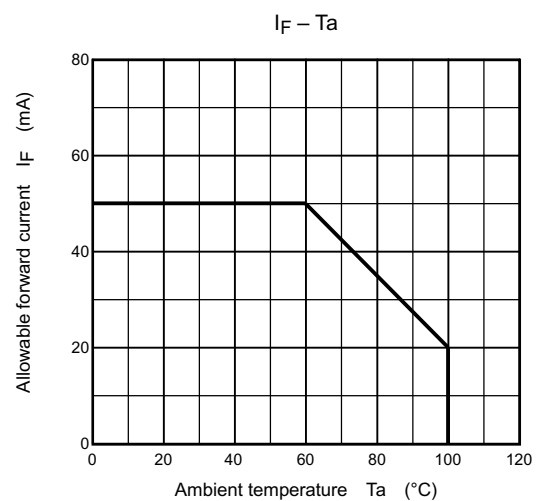
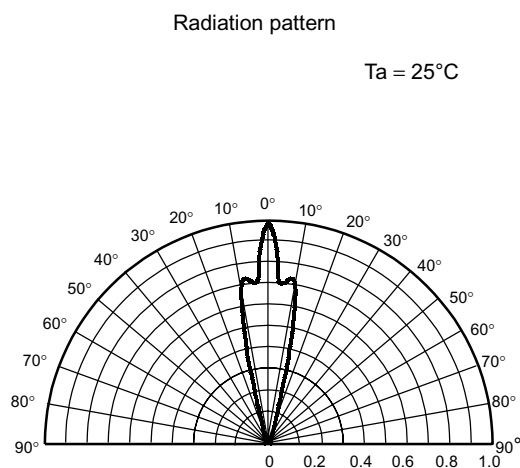
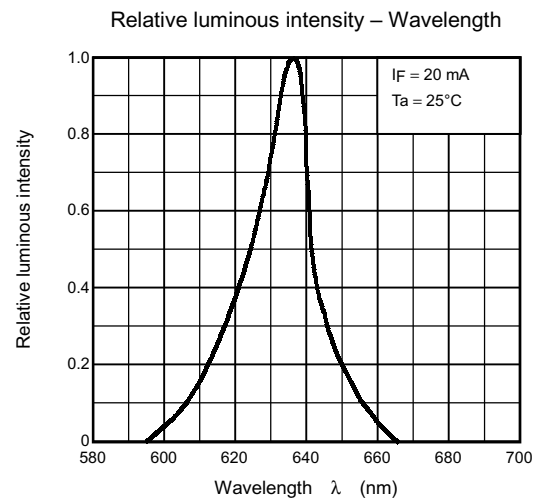
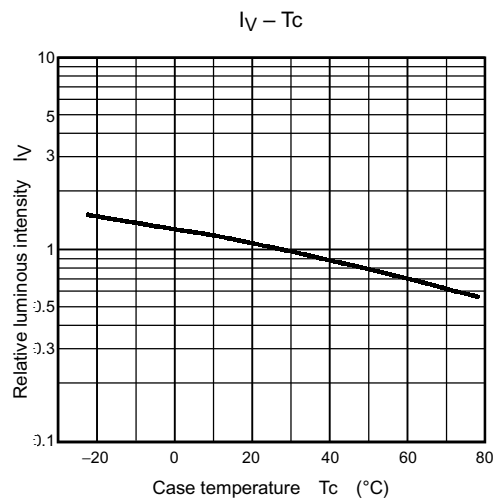
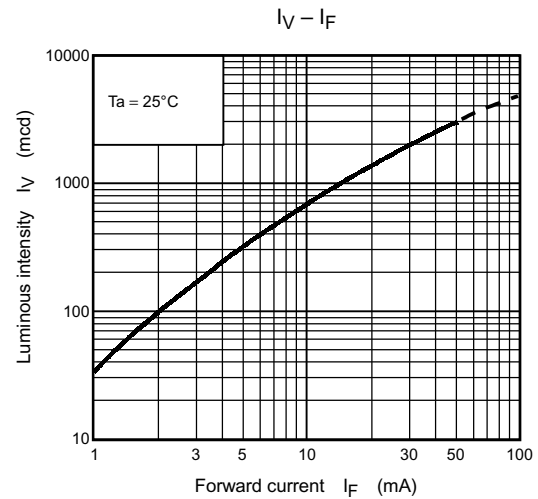
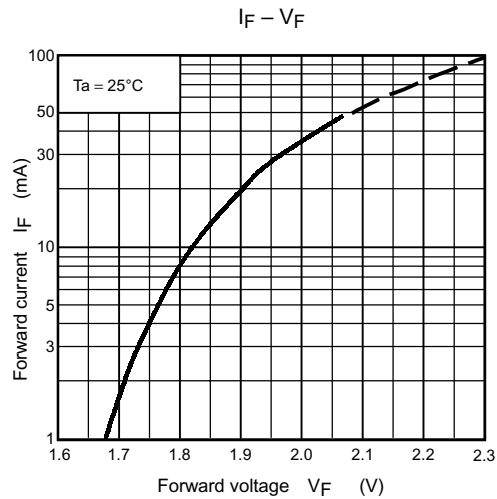
Please be careful of the following:

- 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.

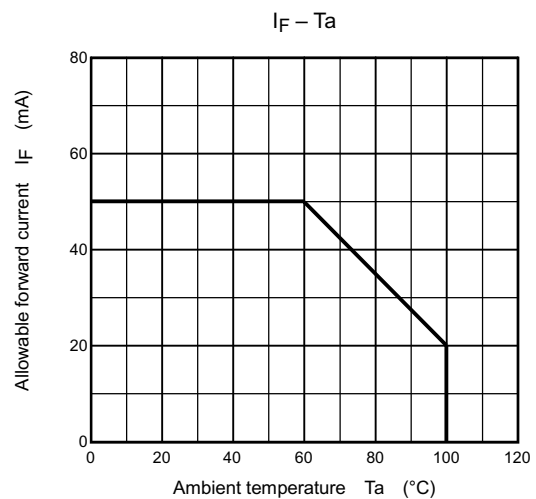
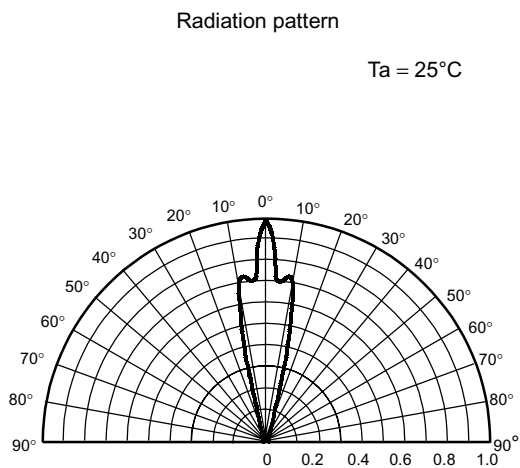
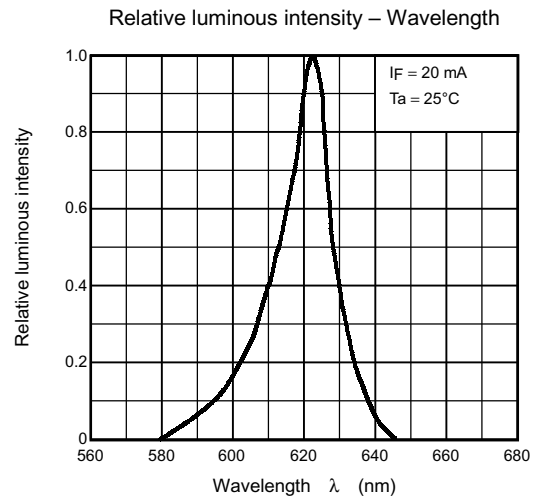
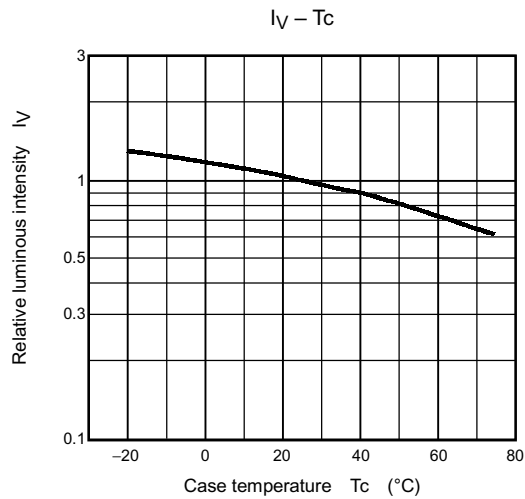
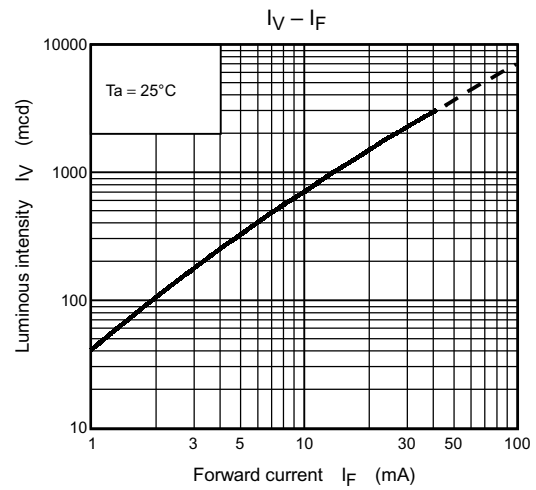
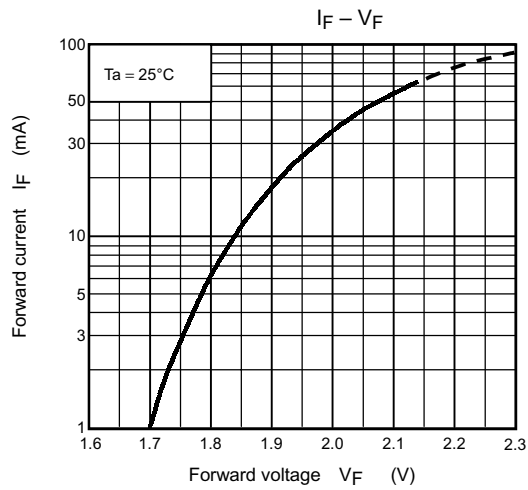
TLRE16TP



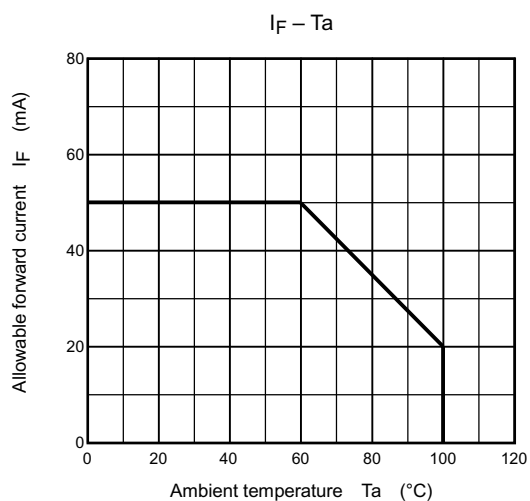
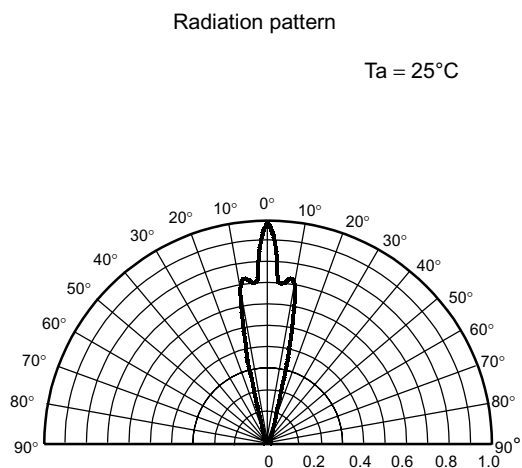
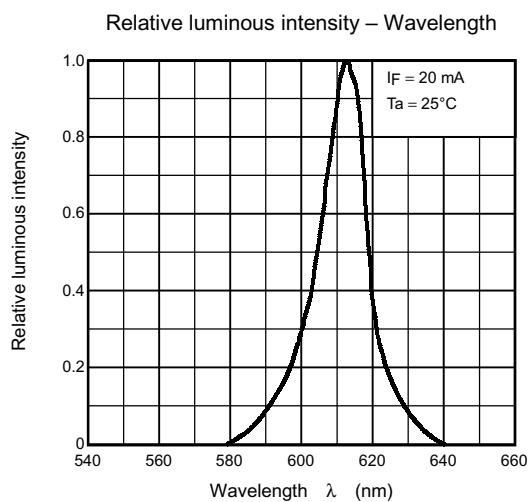
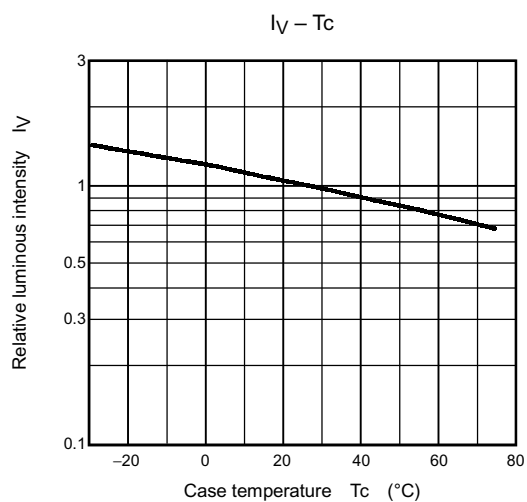
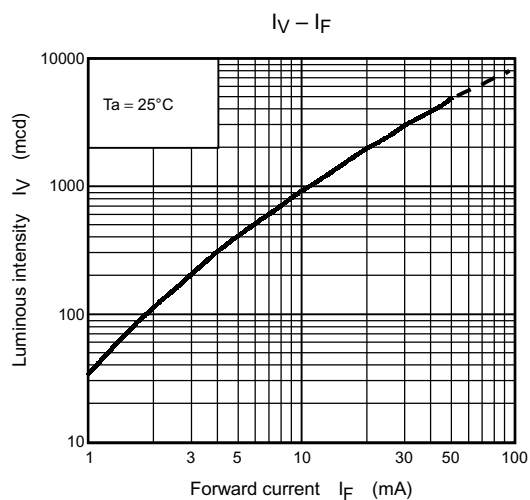
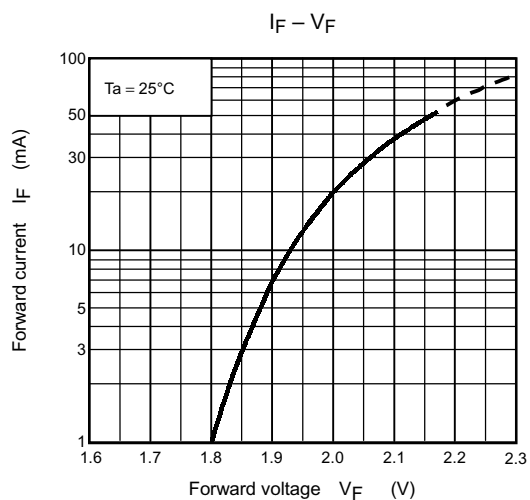
TLRME16TP



TLSE16TP



TLOE16TP



TLYE16TP

