



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

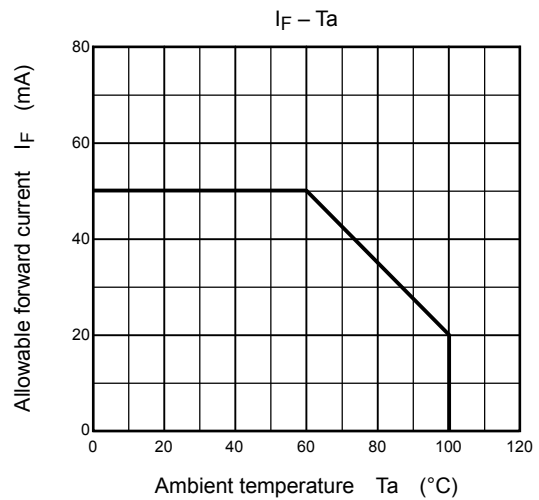
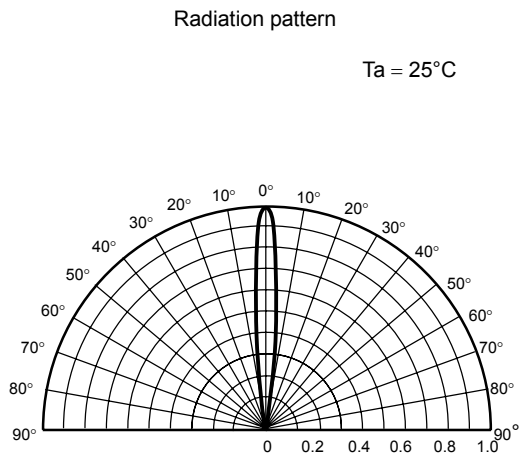
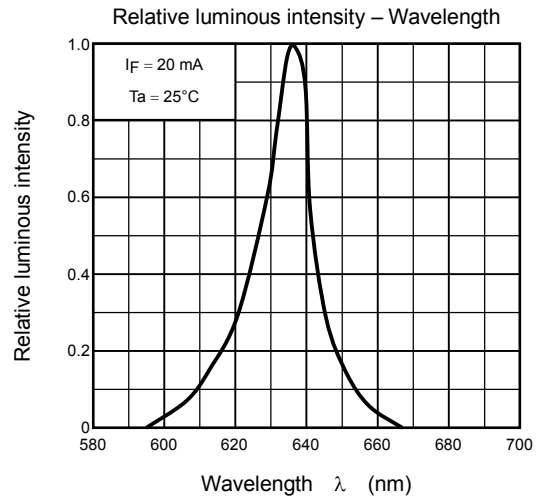
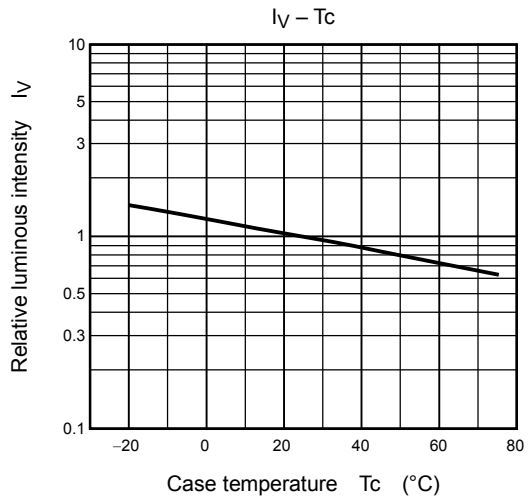
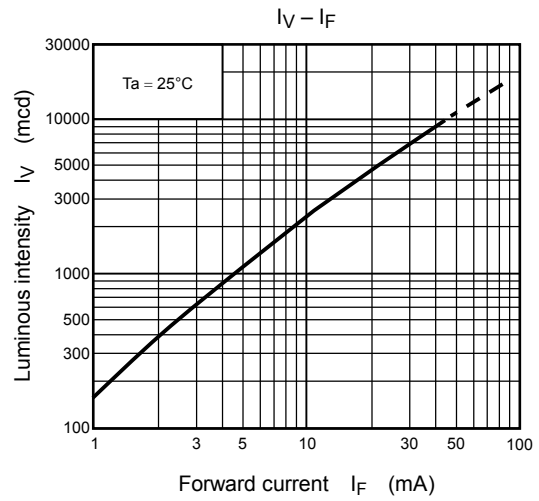
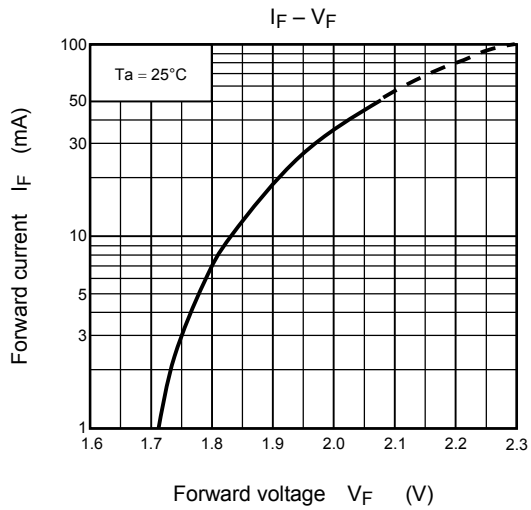
Product Name	Typ. Emission Wavelength				Luminous Intensity I <sub>V</sub>			Forward Voltage V <sub>F</sub>			Reverse Current I <sub>R</sub>	
	λ <sub>d</sub>	λ <sub>p</sub>	Δλ	I <sub>F</sub>	Min	Typ.	I <sub>F</sub>	Typ.	Max	I <sub>F</sub>	Max	V <sub>R</sub>
TLRMH38TP	626	(636)	13	20	1530	4800	20	1.9	2.4	20	50	4
TLSH38TP	613	(623)	13	20	2720	6500	20	2.0	2.4	20	50	4
TLOH38TP	605	(612)	13	20	2720	7500	20	2.0	2.4	20	50	4
TLYH38TP	587	(590)	13	20	2720	7000	20	2.0	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

## Precautions

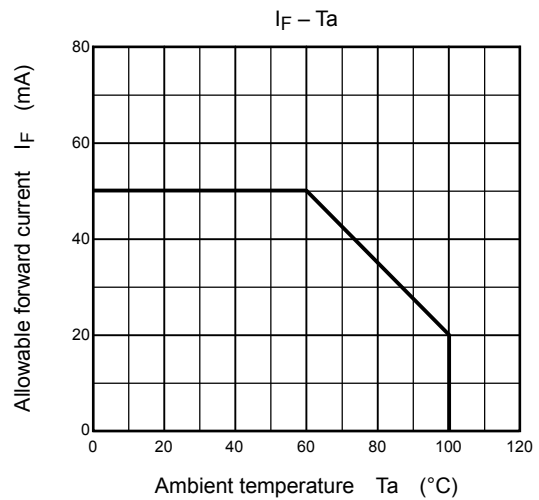
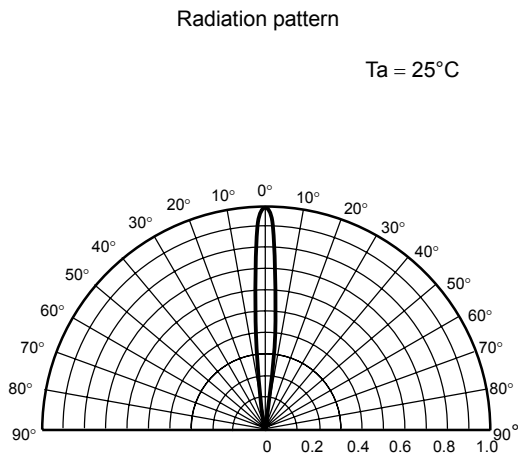
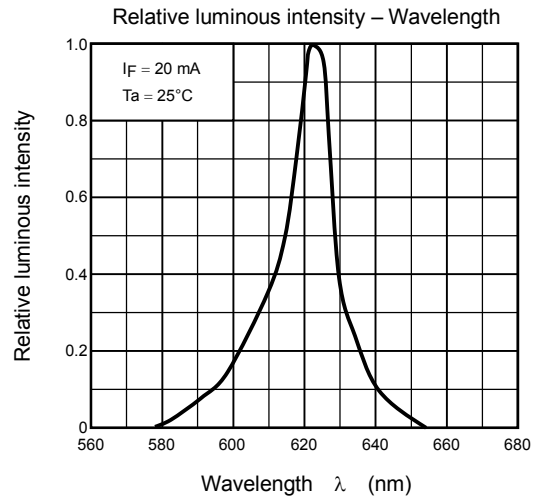
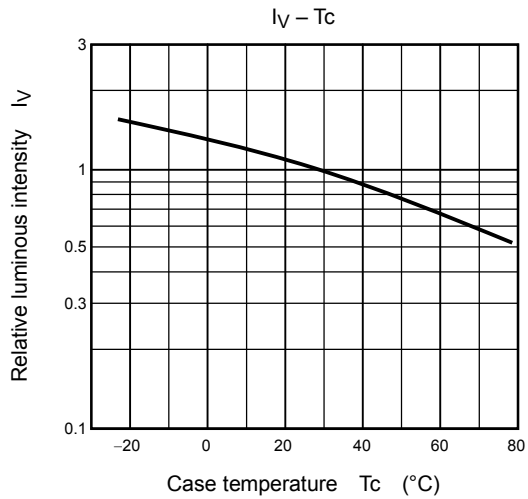
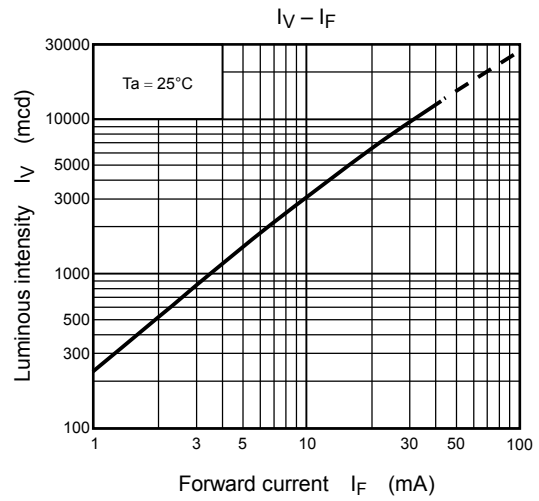
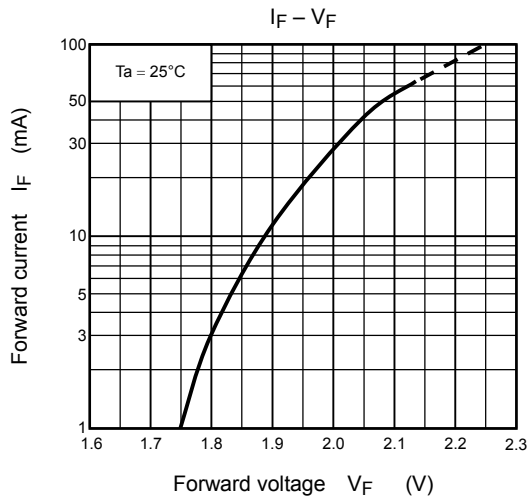
Please be careful of the following:

- 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.

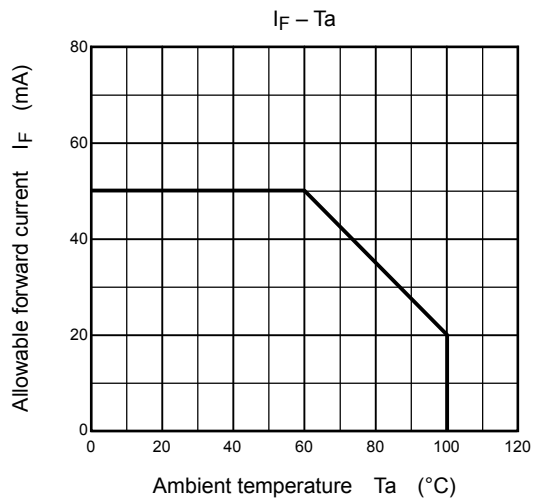
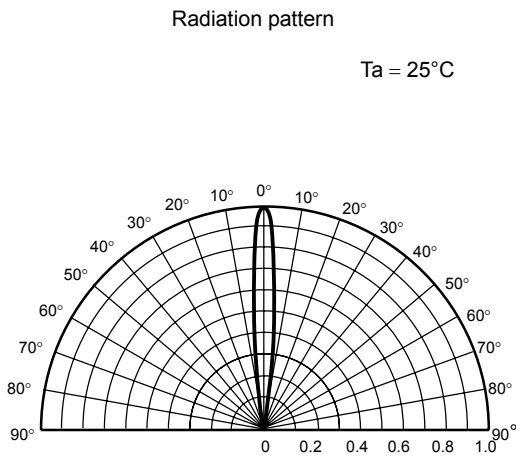
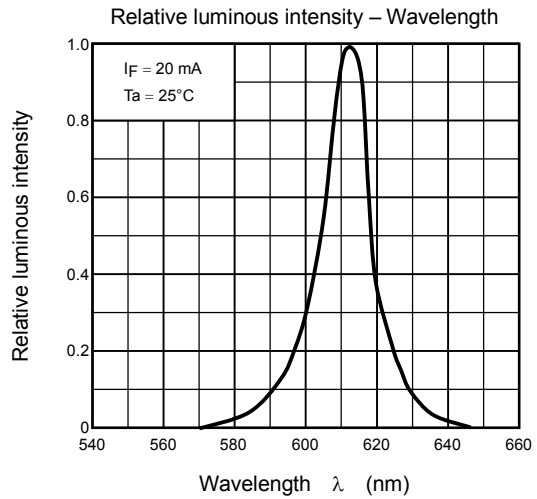
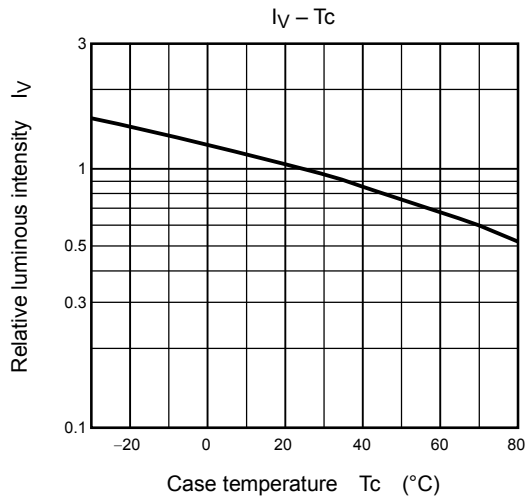
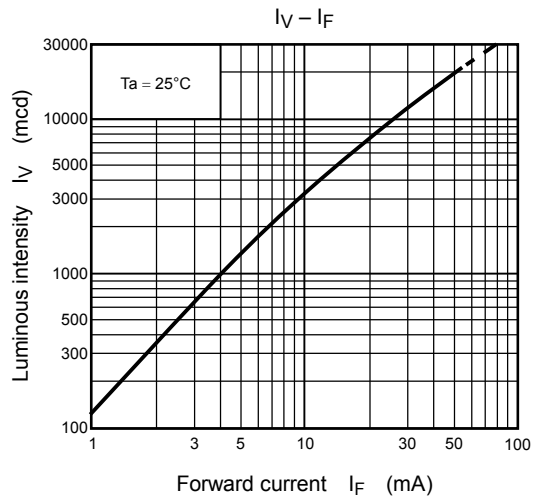
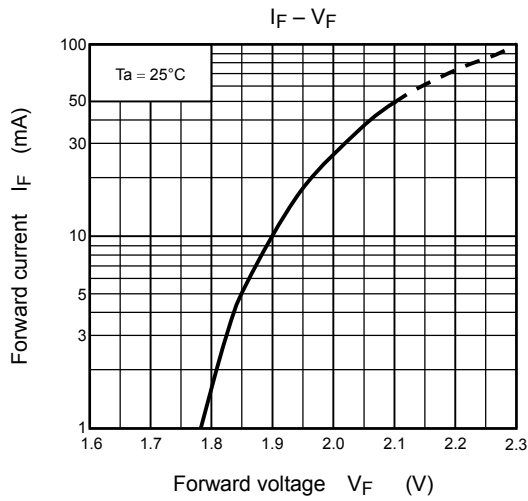
**TLRMH38TP**



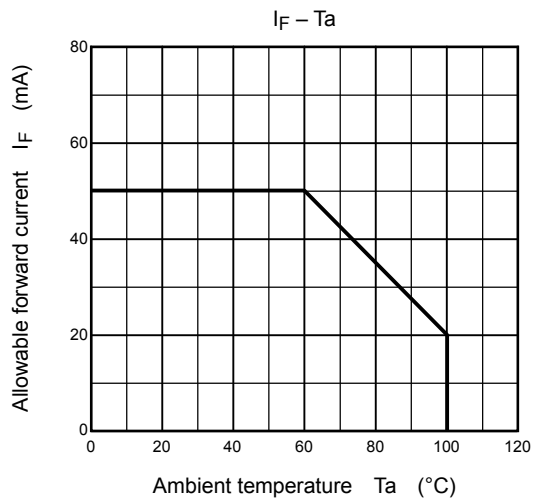
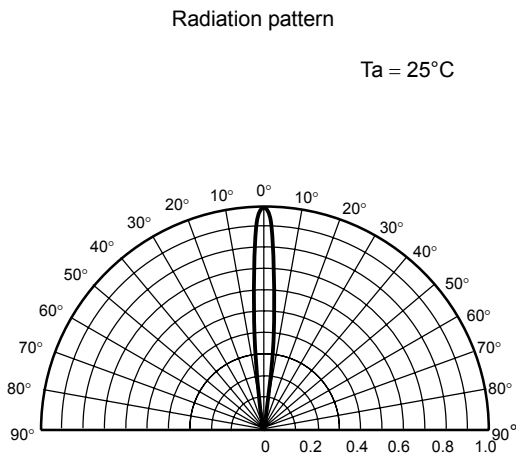
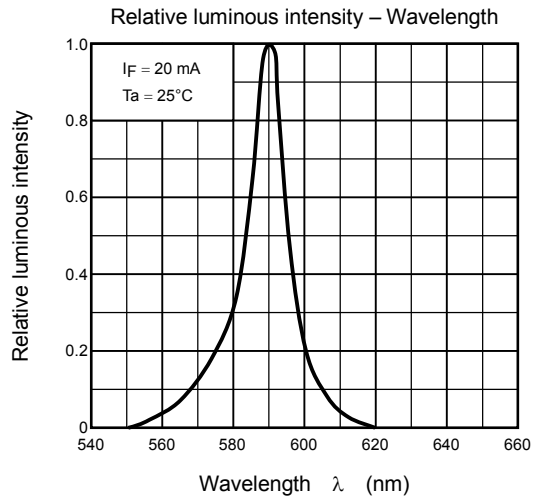
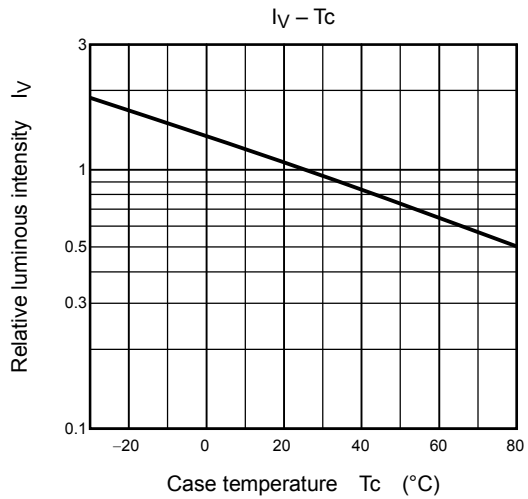
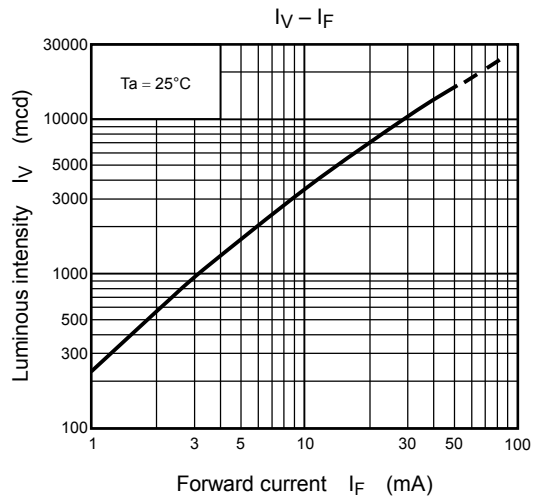
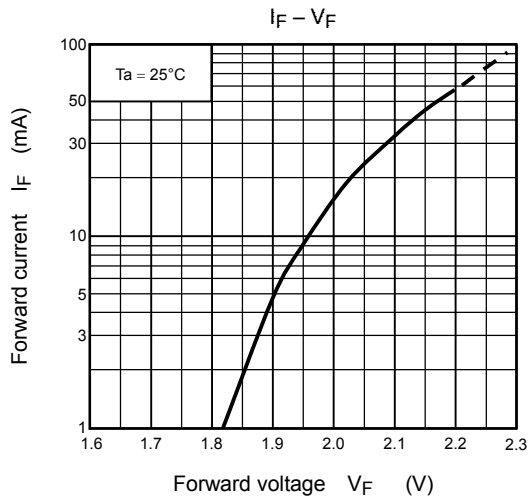
## TLSH38TP



## TLOH38TP



**TLYH38TP**



**RESTRICTIONS ON PRODUCT USE**

000707EAC

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