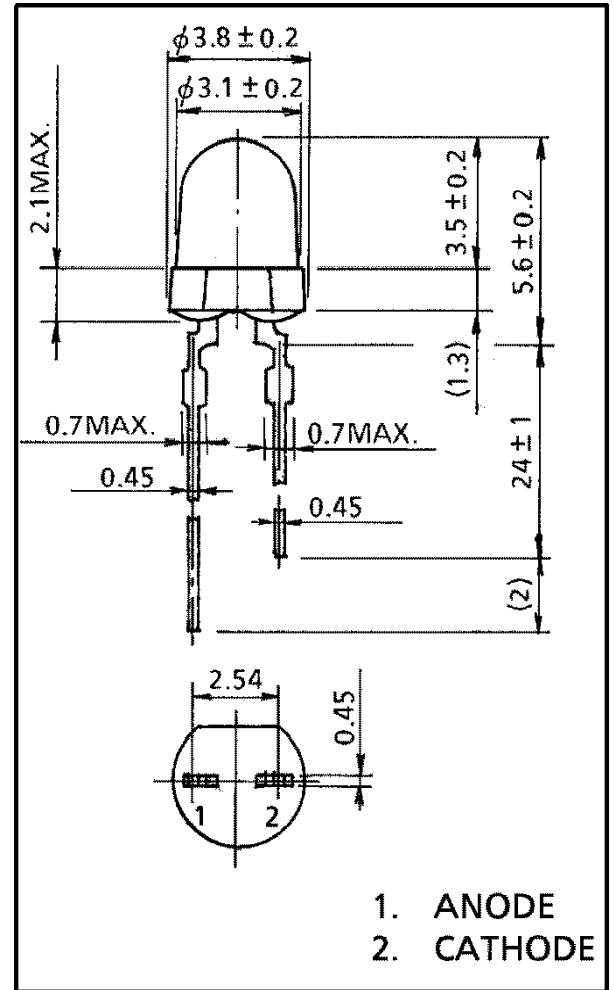


### Features

InGaAlP Technology  
 3mm Package  
 All Plastic Mold Type  
 Colored Diffused Lens  
 Excellent Low Current Light Output

### Applications

Backlight  
 Decorative Lighting  
 Switches  
 Indicator  
 Personal Equipment



### Series Line-Up

Part Number	Color	Material
TLOU124	Ultra Bright Orange	InGaAlP
TLSU124	Ultra High Efficiency Red	InGaAlP
TLYU124	Ultra Bright Yellow	InGaAlP

### Maximum Ratings (Ta=25°C)

Part Number	Forward Current I <sub>F</sub>	Reverse Voltage V <sub>R</sub>	Power Dissipation P <sub>d</sub>	Operating Temperature T <sub>opr</sub>	Storage Temperature T <sub>stg</sub>
TLOU124	30	4	72.00	-20 ~ 75	-30 ~ 100
TLSU124	30	4	72.00	-20 ~ 75	-30 ~ 100
TLYU124	30	4	75.00	-20 ~ 75	-30 ~ 100
Unit	mA	V	mW	°C	°C

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 Costa Mesa, California 92626  
 Toll Free: 800.984.5337  
 Fax: 714.850.9314

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

Part Number	PWL nm $\lambda_P$	Material	View Angle $2\theta_{1/2}$	Luminous Intensity $I_v$				Forward Voltage $V_F$				Rev Current $I_R$		
				min.	typ.	max.	IF@	min.	typ.	max.	IF@	max.	VR@	
TLOU124	612	InGaAlP	40°	47.60	180.00	–	20mA	–	2.00	2.40	20mA	50	4V	
TLSU124	636	InGaAlP	40°	47.60	100.00	–	20mA	–	2.00	2.40	20mA	50	4V	
TLYU124	590	InGaAlP	40°	47.60	110.00	–	20mA	–	2.10	2.50	20mA	50	4V	
–	nm	–	deg	mcd				–	V			–	$\mu A$	–

### Precautions

- 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.

### NOTICE:

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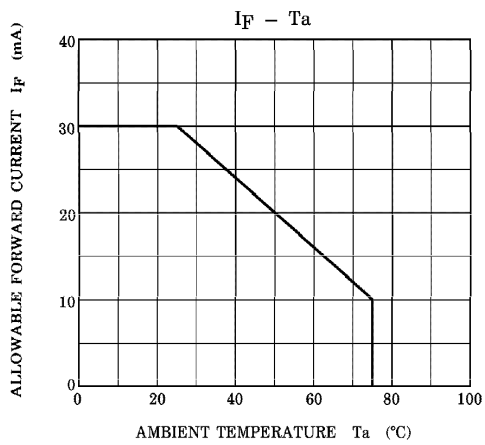
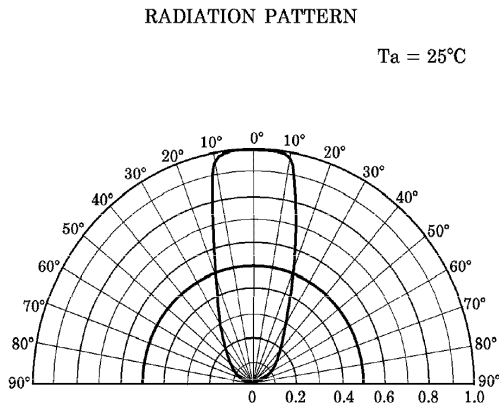
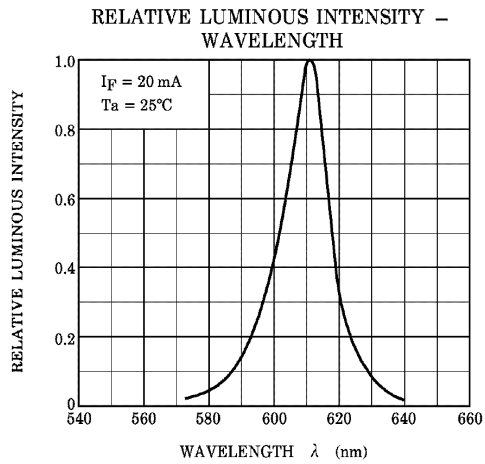
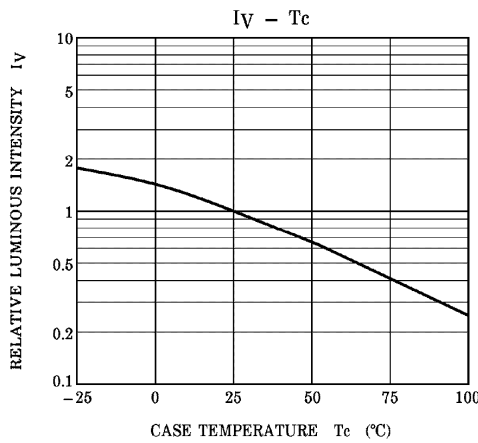
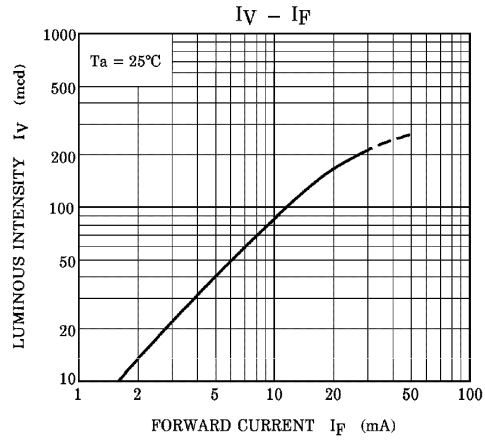
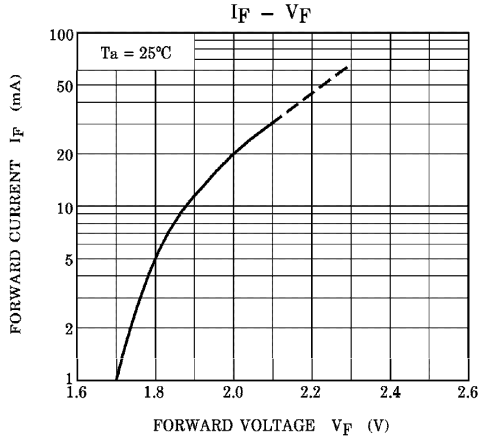
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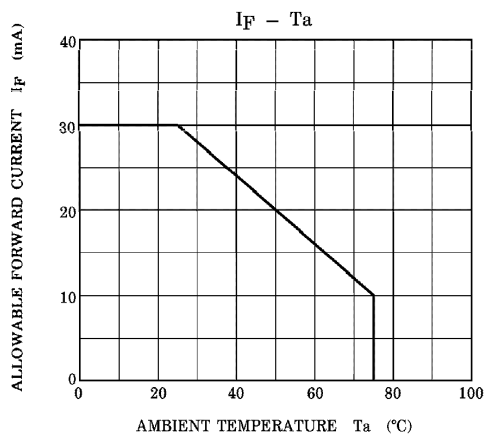
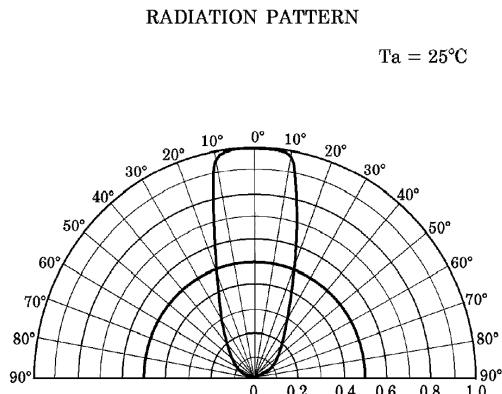
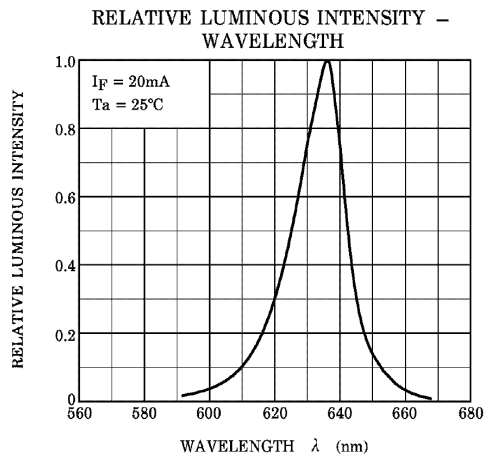
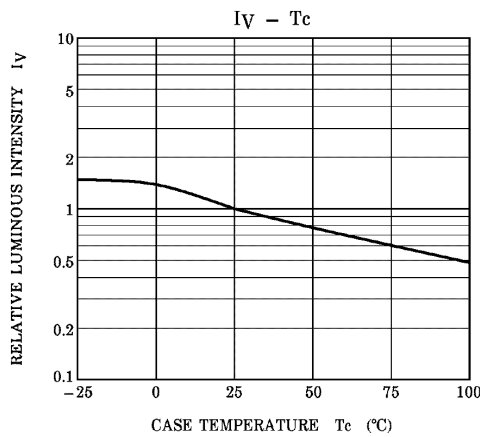
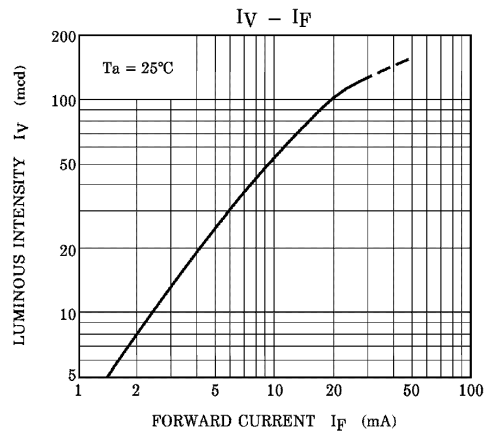
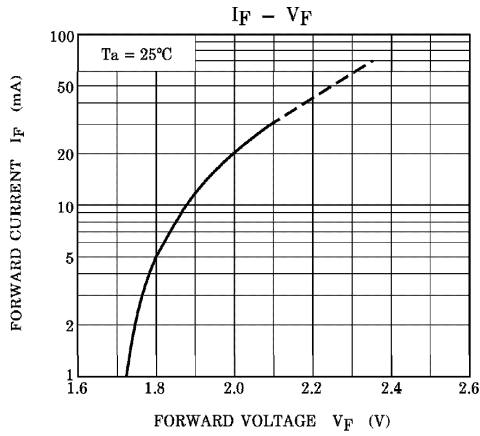
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### TLOU124 Graphs



### TLSU124 Graphs



### TLYU124 Graphs

