

# TLRMH16T, TLSH16T, TLOH16T, TLYH16T

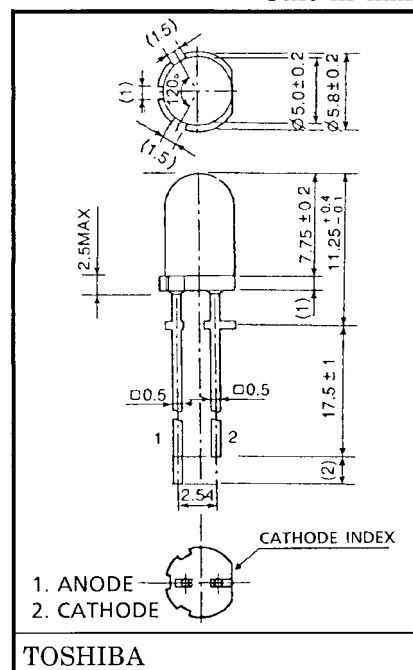
## Panel Circuit Indicator

Unit in mm

- 5 mm package
  - InGaA/P technology
  - All plastic mold type
  - Transparent lens
  - Lineup: 3colors (red, orange, yellow)
  - High intensity light emission
  - Excellent low current light output
  - Applications: Traffic signals, Safety equipment, Backlight
  - Straight lead type is also available
- TLRMH16TP, TLSH16TP, TLOH16TP, TLYH16TP

## Line-up

| Product Name | Color  | Material |
|--------------|--------|----------|
| TLRMH16T     | Red    | InGaA/P  |
| TLSH16T      | Red    |          |
| TLOH16T      | Orange |          |
| TLYH16T      | Yellow |          |



Weight : 0.31 g

## Maximum Ratings (Ta = 25°C)

| Product Name | Forward Current<br>I <sub>F</sub> (mA) | Reverse Voltage<br>V <sub>R</sub> (V) | Power Dissipation<br>P <sub>D</sub> (mW) | Operating<br>Temperature<br>T <sub>opr</sub> (°C) | Storage<br>Temperature<br>T <sub>stg</sub> (°C) |
|--------------|----------------------------------------|---------------------------------------|------------------------------------------|---------------------------------------------------|-------------------------------------------------|
| TLRMH16T     | 50                                     | 4                                     | 120                                      | -40~100                                           | -40~120                                         |
| TLSH16T      |                                        |                                       |                                          |                                                   |                                                 |
| TLOH16T      |                                        |                                       |                                          |                                                   |                                                 |
| TLYH16T      |                                        |                                       |                                          |                                                   |                                                 |

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

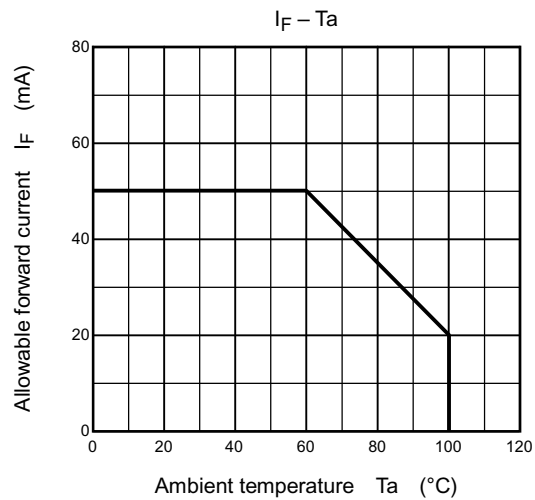
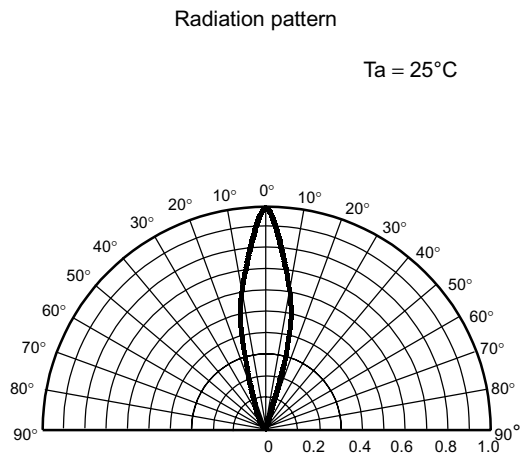
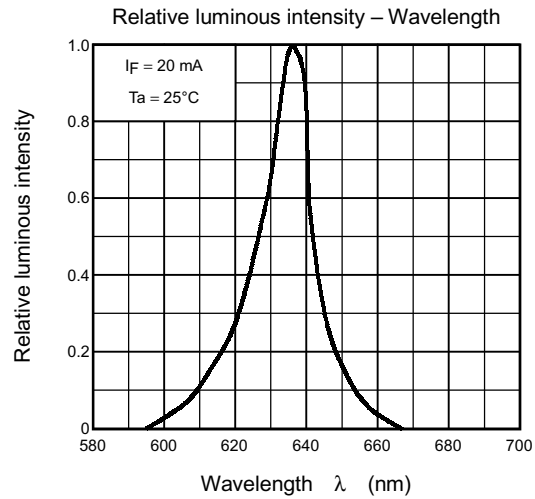
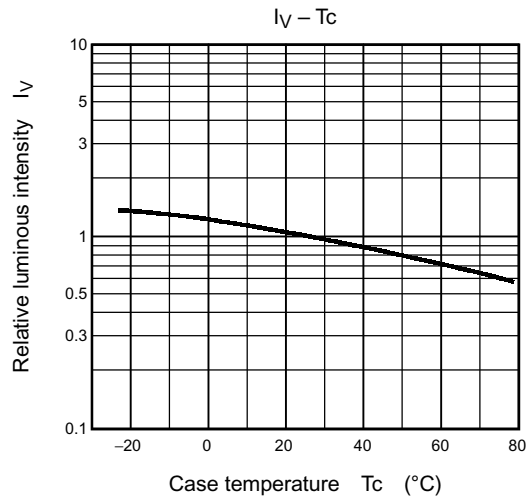
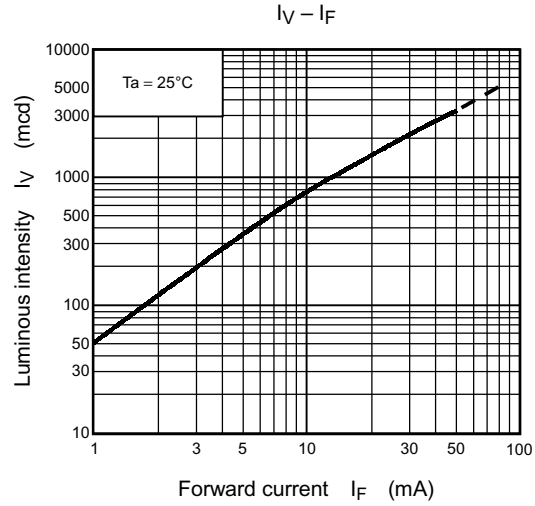
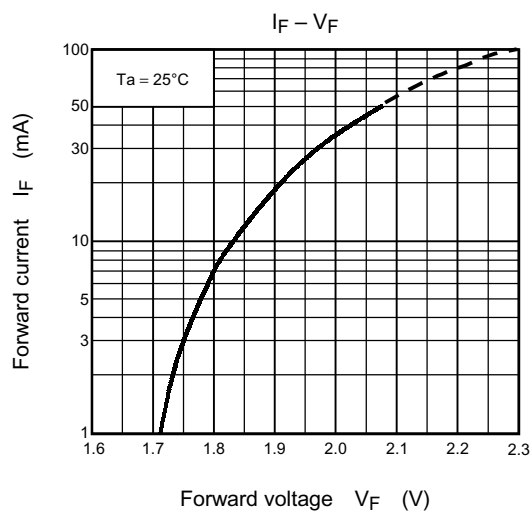
| Product Name | Typ. Emission Wavelength |                |    |                | Luminous Intensity<br>I <sub>V</sub> |      |                | Forward Voltage<br>V <sub>F</sub> |     |                | Reverse Current<br>I <sub>R</sub> |                |
|--------------|--------------------------|----------------|----|----------------|--------------------------------------|------|----------------|-----------------------------------|-----|----------------|-----------------------------------|----------------|
|              | 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> |
| TLRMH16T     | 626                      | (636)          | 13 | 20             | 476                                  | 1500 | 20             | 1.9                               | 2.4 | 20             | 50                                | 4              |
| TLSH16T      | 613                      | (623)          | 13 | 20             | 850                                  | 1900 | 20             | 2.0                               | 2.4 | 20             | 50                                | 4              |
| TLOH16T      | 605                      | (612)          | 13 | 20             | 850                                  | 2300 | 20             | 2.0                               | 2.4 | 20             | 50                                | 4              |
| TLYH16T      | 587                      | (590)          | 13 | 20             | 850                                  | 2200 | 20             | 2.0                               | 2.4 | 20             | 50                                | 4              |
| Unit         | nm                       |                |    | mA             | mcd                                  |      | mA             | V                                 |     | mA             | μA                                | V              |

## Precautions

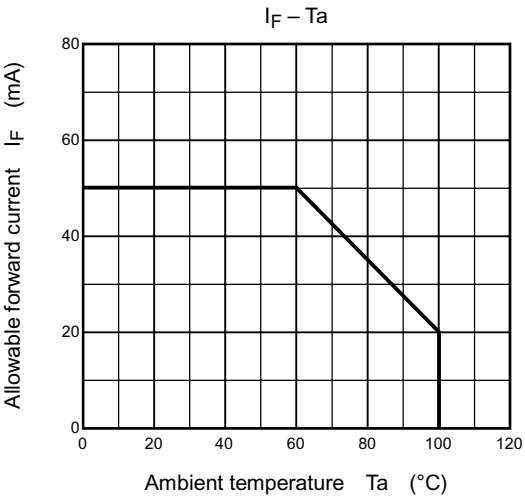
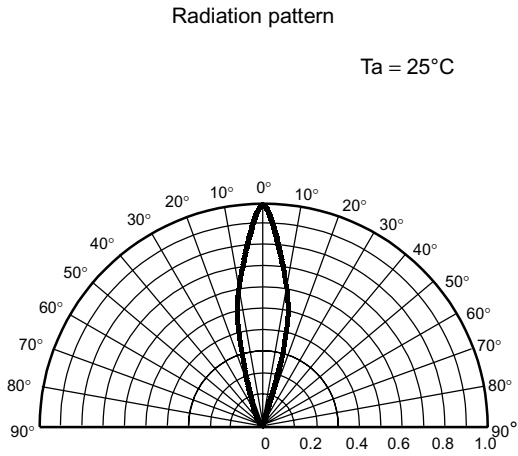
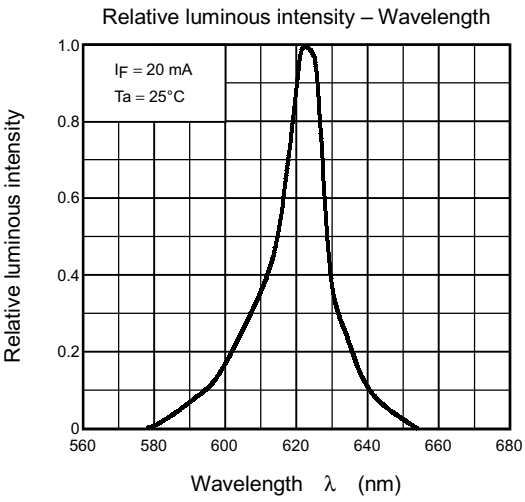
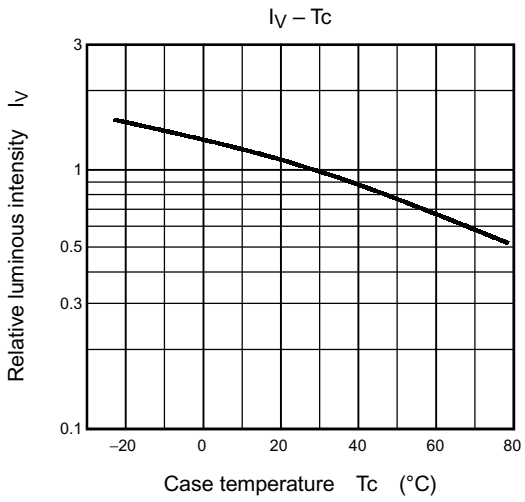
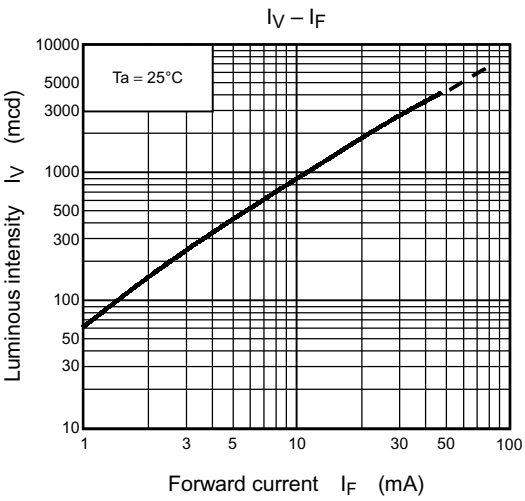
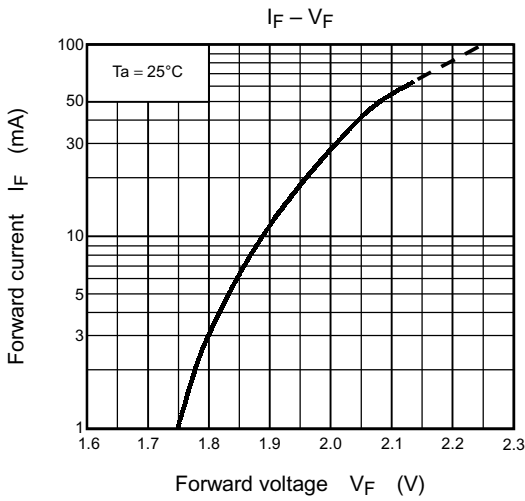
Please be careful of the following:

- Soldering temperature: 260°C max, soldering time: 3 s max  
(soldering portion of lead: below the lead stopper)
- 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.

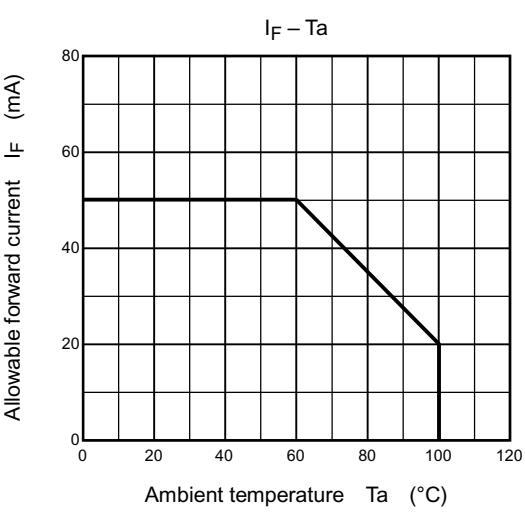
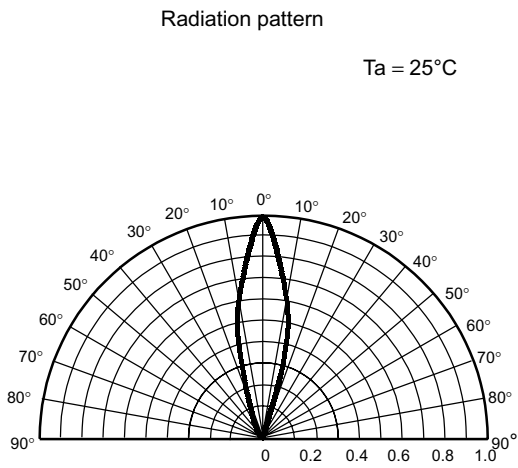
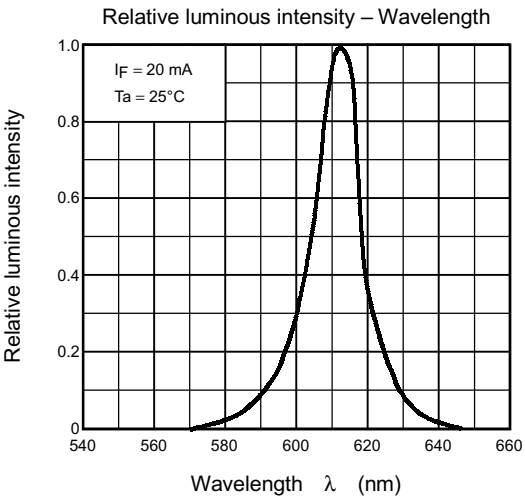
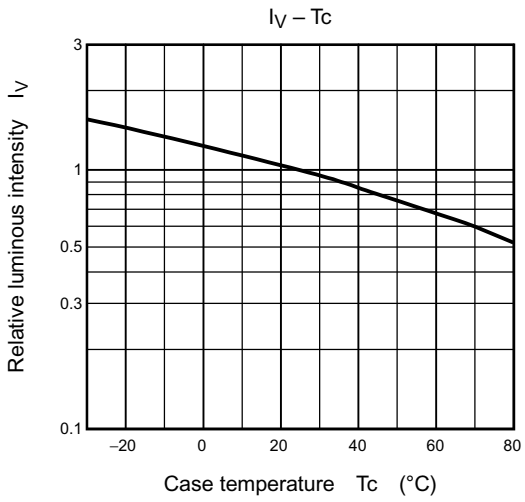
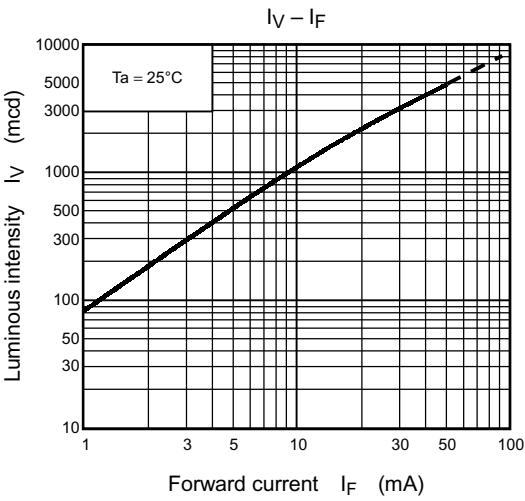
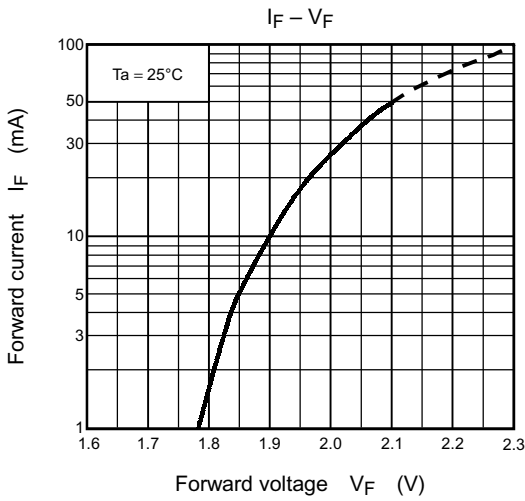
TLRMH16T



TLSH16T



TLOH16T



TLYH16T

