

Electrical And Optical Characteristics (Ta = 25°C)

| Characteristic | | Symbol | Test Condition | Min | Typ. | Max | Unit | |
|--------------------------|--------------|-----------------|-----------------------|--------|------|------|---------------|-----|
| Forward voltage | | V_F | $I_F = 20 \text{ mA}$ | — | 2.1 | 2.5 | V | |
| Reverse current | | I_R | $V_R = 4 \text{ V}$ | — | — | 50 | μA | |
| Luminous intensity | TLOH157P | I_V | $I_F = 20 \text{ mA}$ | (Note) | 850 | 2800 | — | mcd |
| | TLOH157P(TU) | | | | 1530 | — | 7360 | |
| Peak emission wavelength | | λ_p | $I_F = 20 \text{ mA}$ | — | 612 | — | nm | |
| Spectral line half width | | $\Delta\lambda$ | $I_F = 20 \text{ mA}$ | — | 15 | — | nm | |
| Dominant wavelength | | λ_d | $I_F = 20 \text{ mA}$ | — | 605 | — | nm | |

(Note): Lamps are classified into the following ranks according to their luminous intensity.

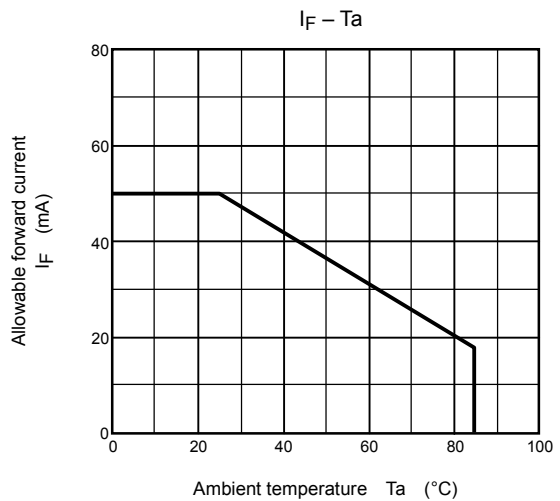
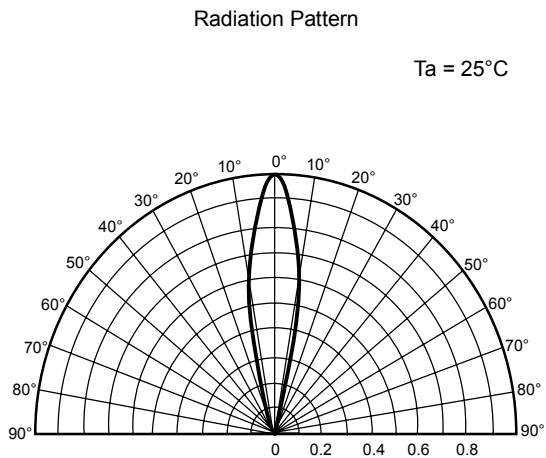
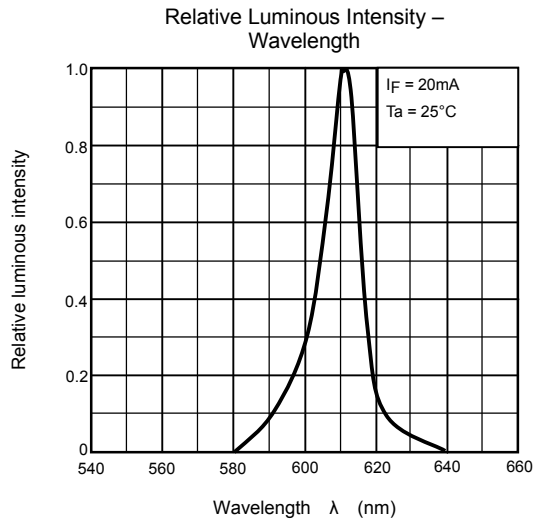
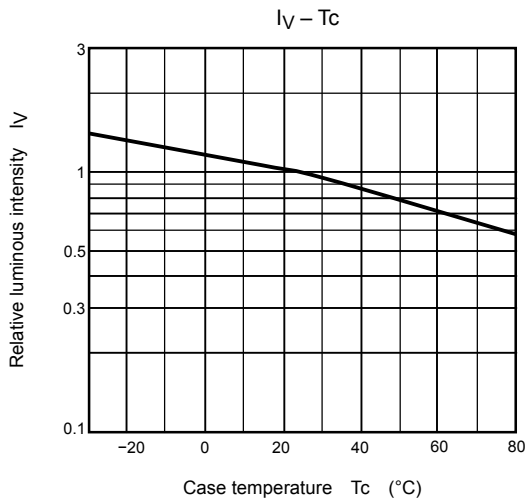
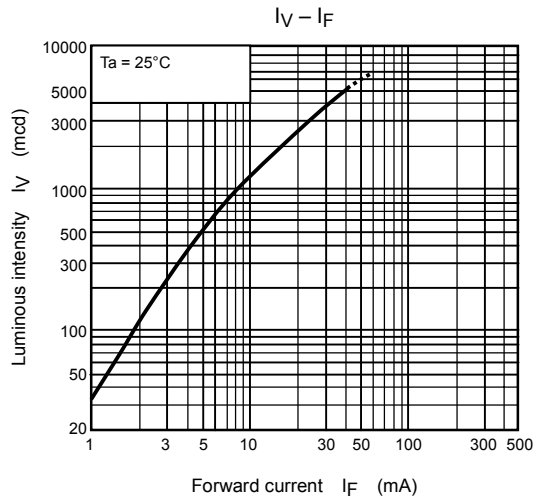
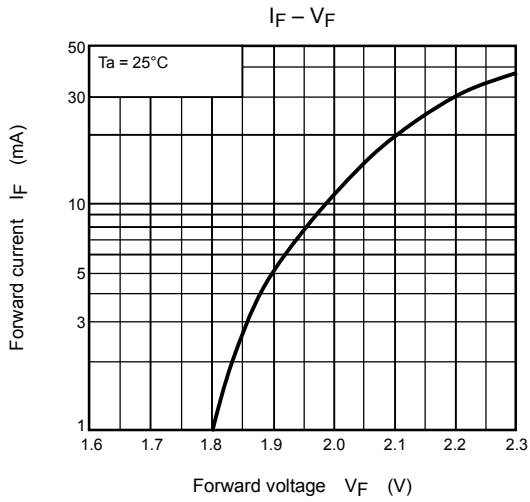
Measurement tolerance for each limit is $\pm 15\%$.

S: 1000–2000mcd, T: 1800–3600mcd, U: 3200–6400mcd

Precaution

Please be careful of the followings

- 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.



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