

**TX-R3A140-005G**

**PRODUCT SPECIFICATION**

Approved by:

Checked by:

Prepared by:

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**Notes:**

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is  $\pm 0.25$  mm (0.01") unless otherwise noted.

**Absolute Maximum**

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**Characteristics at  $I_f=700mA$  ,  $V_r=5V$  ( $T_a=25^\circ C$ )**

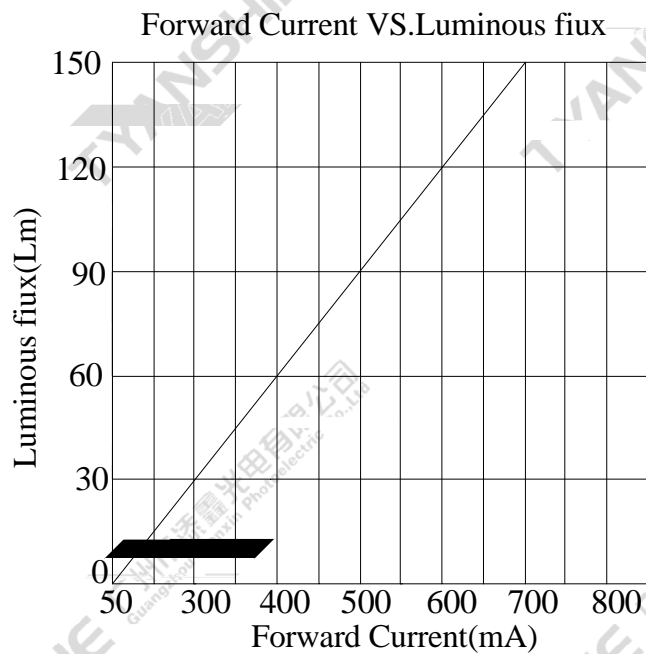
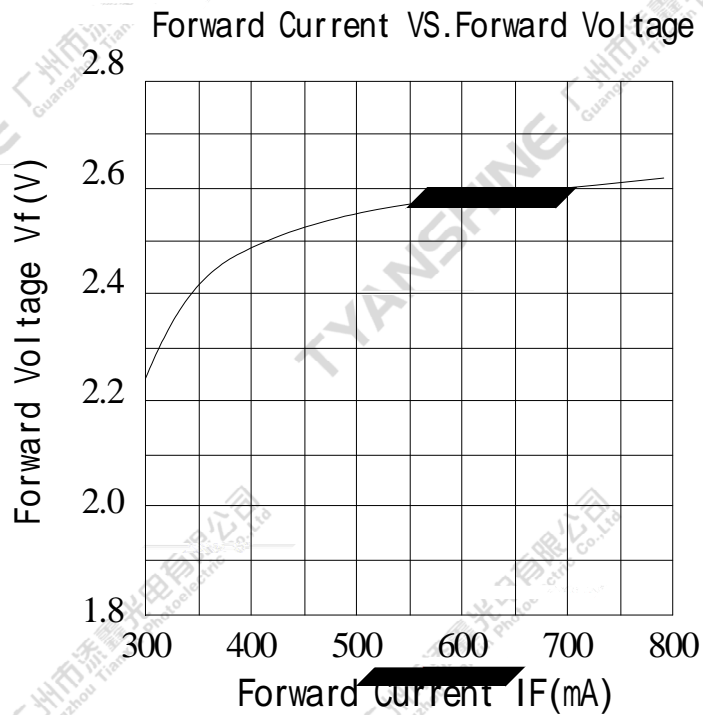
Parameter	Symbol	Values			Units
		Min.	Typ.	Max.	
Luminous Flux	$N_v$	80	105	—	lm
Viewing Angle at 50%IV	$2\theta_{1/2}$	—	140	—	Deg
Peak Emission Wavelength	$\lambda_p$	—	630	635	nm
Dominant Wavelength	$\lambda_d$	618	623	628	nm
Spectral Line Half-Width	$\Delta\lambda$	15	20	25	nm
Forward Voltage	$V_f$	2.0	2.6	3.2	V
Reverse Current	$I_R$	—	—	10	$\mu A$
Thermal Resistance Junction to Case	$R_{j-c}$	—	25	—	$K/W$
Temperature Coefficient of Forward Voltage	$V_f/T$	—	-2	—	$mV/^\circ C$

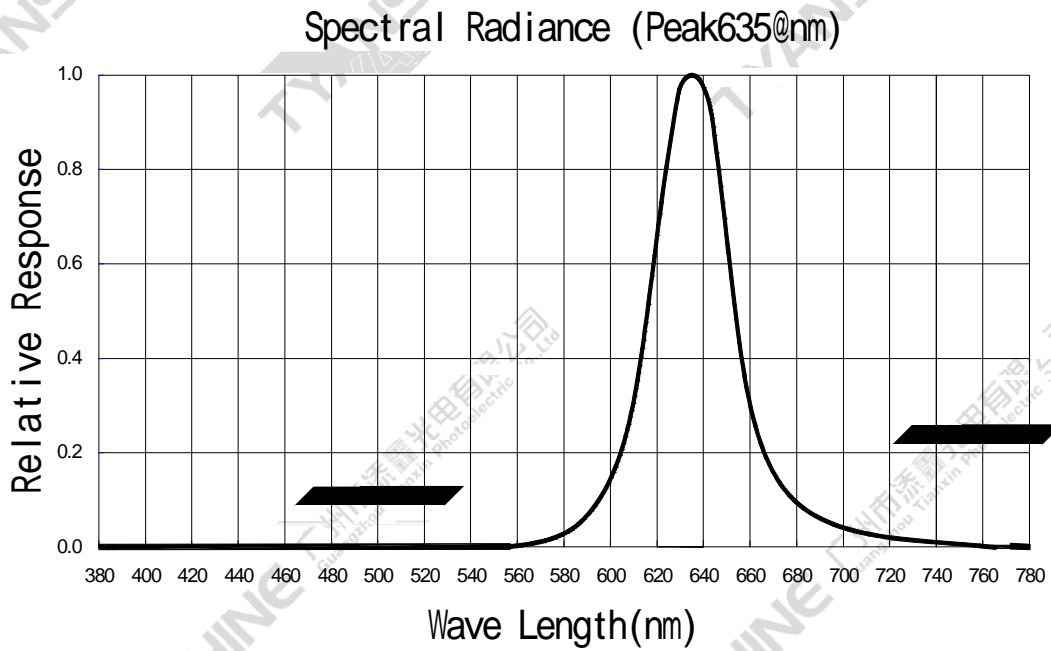
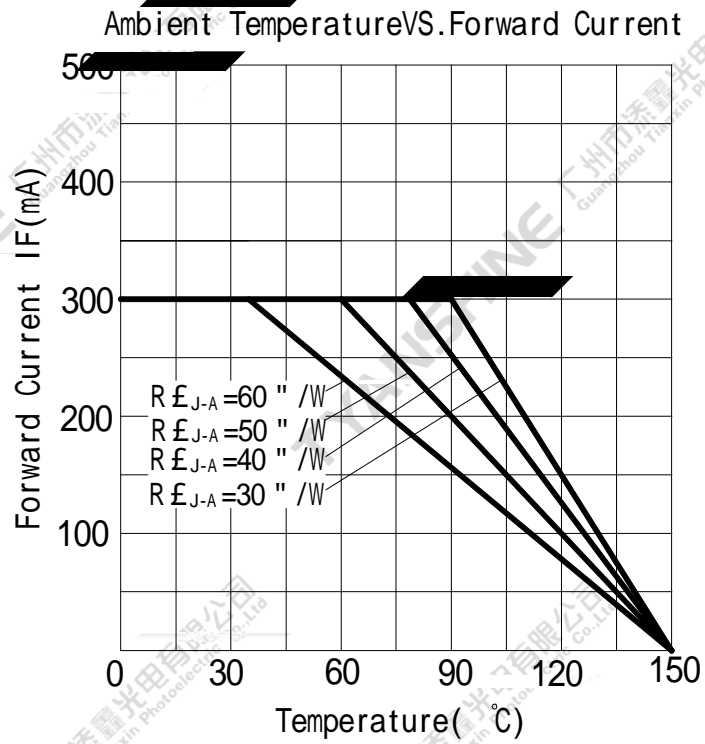
**Notes:**

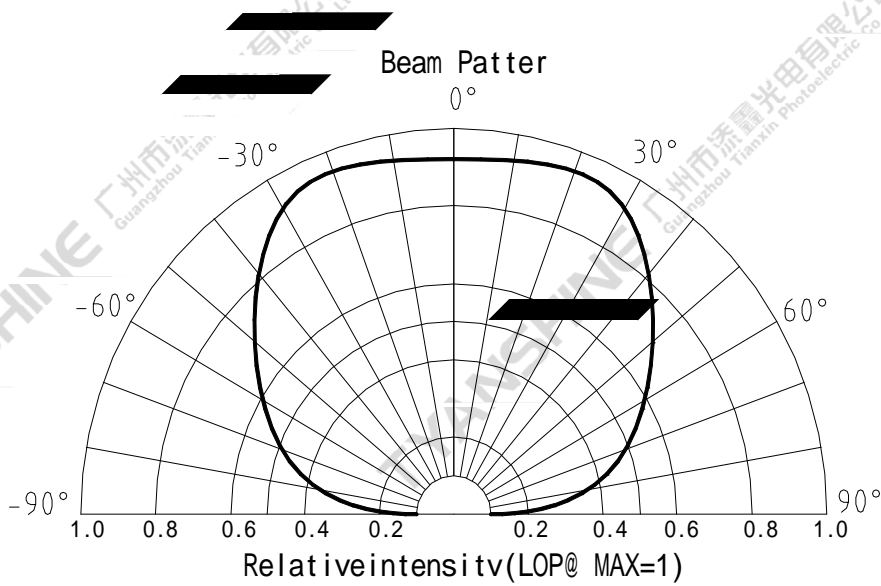
- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is 50% of the on-axis value.

**Typical Electrical / Optical Characteristics Curves**

(25 " Ambient Temperature Unless Otherwise Noted)



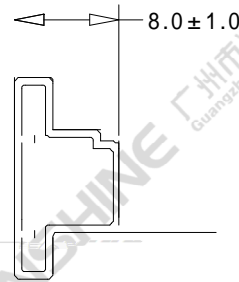
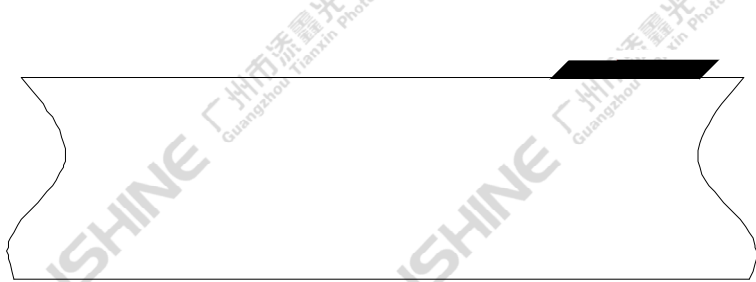




**Notes:**

- 1.  $\theta_{1/2}$  is the off axis angle from lamp centerline where the luminous intensity is 1/2 of the peak value.
- 2. View angle tolerance is  $\pm 5^\circ$ .

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