

# TX-B3A140-010G

## PRODUCT SPECIFICATION

Approved by:

Checked by: 

Prepared by:

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TYANSHINE 广州市添鑫光电有限公司  
Guangzhou Tianxin Photoelectric Co., Ltd

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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 Ratings at Ta=25

Notes:

- 1. Specifications are subject to change without notice.
- 2. Under the stipulated Characteristics parameters above, the

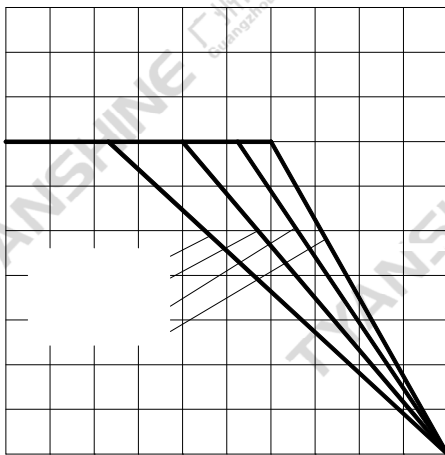
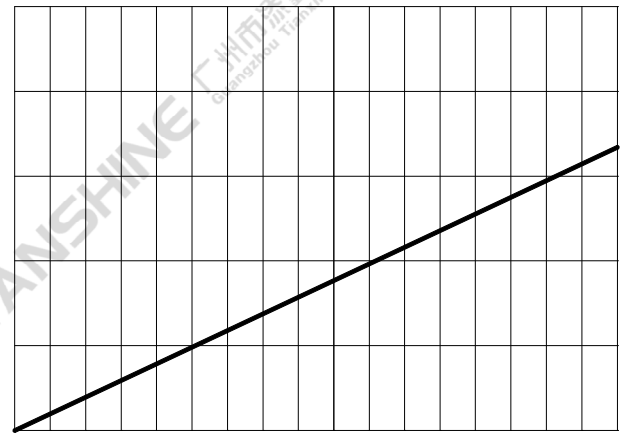
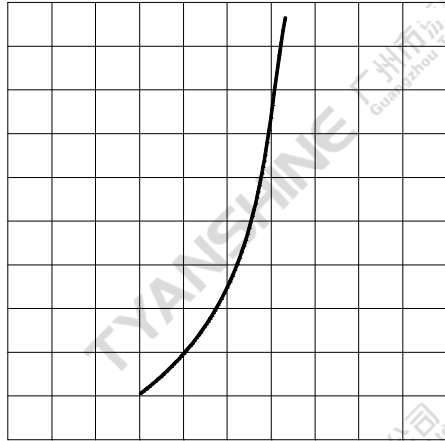
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Characteristics at  $I_f=700mA$  ,  $V_r=5V$  ( $T_a=25^\circ C$ )

Parameter	Symbol	Values			Units
		Min.	Typ.	Max.	
Luminous Flux	$\phi_v$	35	55		lm
Viewing Angle at 50° IV	$2_{1/2}$		140		Deg
Peak Emission Wavelength	$\rho$	450	455	460	nm
Dominant Wavelength	$d$	455	460	465	nm
Spectral Line Half-Width		25	30	35	nm
Forward Voltage	$V_f$	3.2	3.6	3.8	V
Reverse Current	$I_R$			10	$\mu A$
Thermal Resistance Junction to Case	$R_{J-C}$		11.2		K/W
Temperature Coefficient of Forward Voltage	$V_{F/T}$		-2		mV/

Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2.  $1/2$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity
3. The dominant wavelength ( $d$ ) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.
4. Flux is measured with an accuracy of  $\pm 15\%$ .
5. Forward voltage is measured with an accuracy of  $\pm 0.15V$ .



0  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0  
380

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**PRECAUTION IN USE**

**Storage**

Recommended storage environment

Temperature: 5 ~ 30 (41oF ~ 86oF)

Humidity: 60% RH Max.

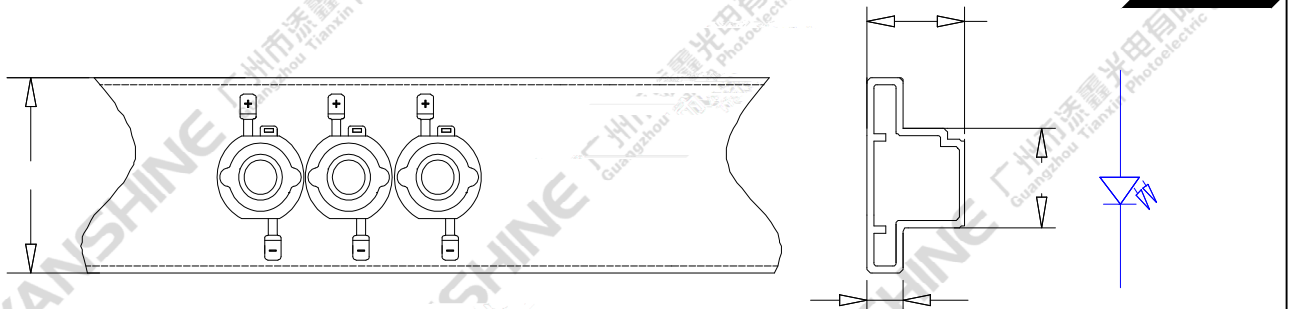
**Soldering**

**Hand Soldering**

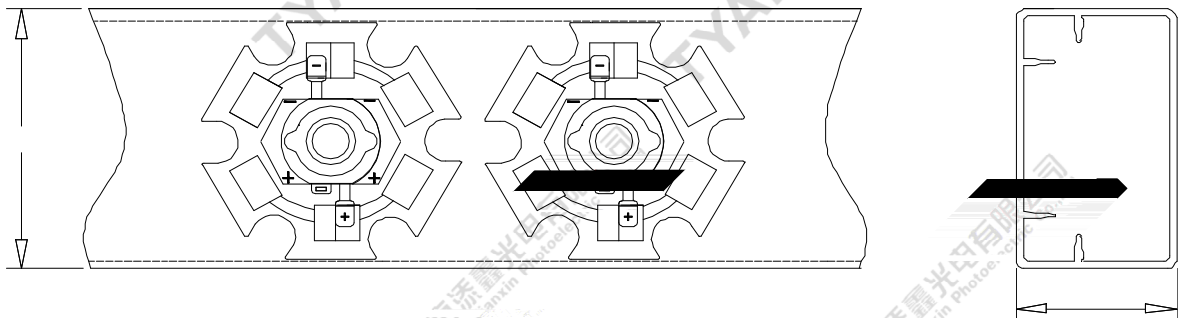
Temperature	350 Max.
Soldering time	8sec. Max.

**Dimensions for Cannulation and Packaging**

Quantity: 50PCS



Quantity: 24PCS



**Notes:**

1. All dimensions are in millimeters (inches).
2. Tolerance is ±2.0 mm (0.08") unless otherwise noted.
3. Product is packaged with silica gel to protect the light-emitting zone. Please avoid the light-emitting area from being pressed, stressed, rubbed, come into contact with sharp metal part which would damage the product.

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