

# TX-RGB3A140-003K

## PRODUCT SPECIFICATION

Approved by:

Checked by:

Prepared by:

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## Features:

Excellent Transiting Heat from ~~LED Chip~~ Operating under 700mA

High Luminous Output

No UV

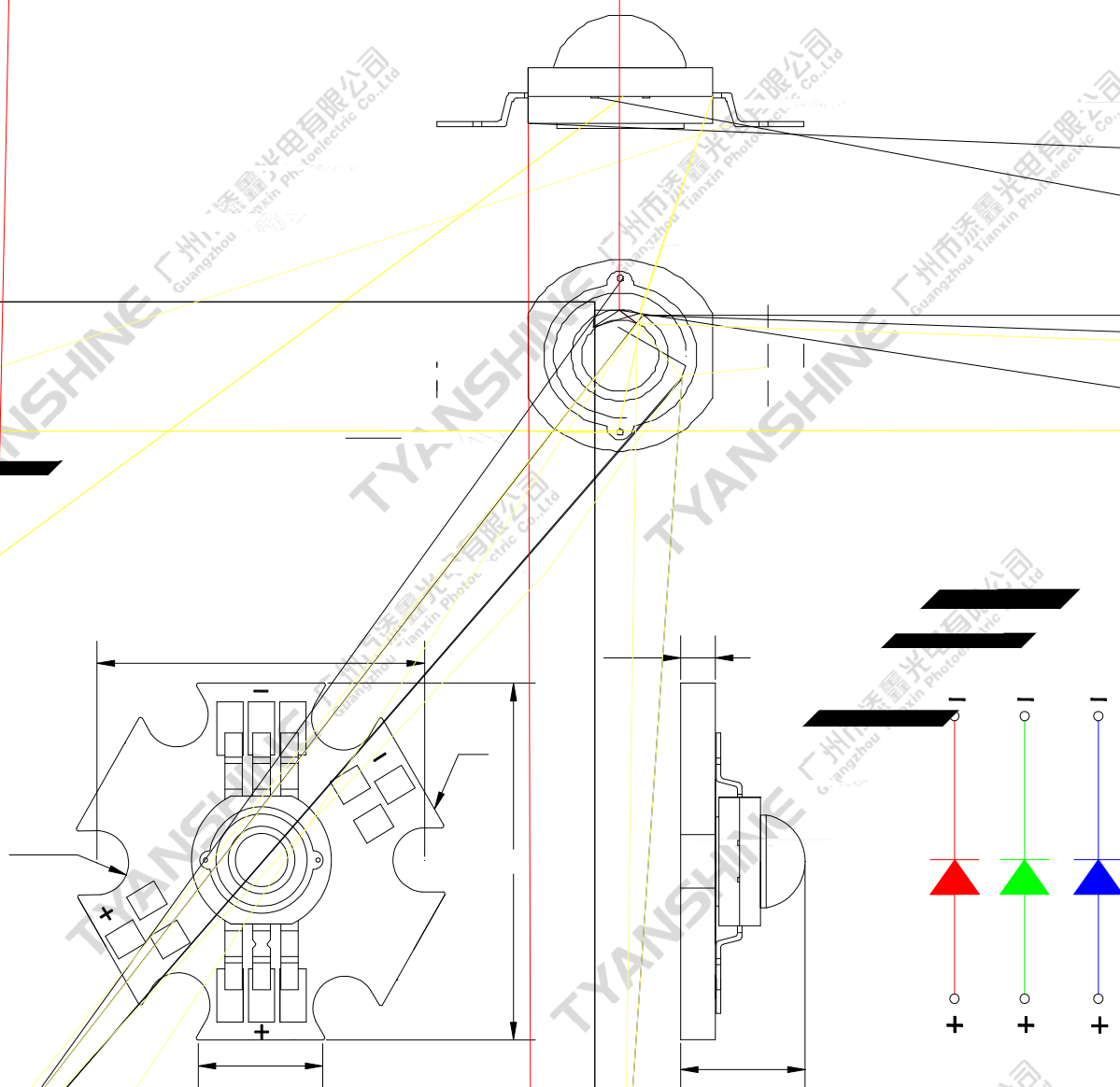
## Typical purpose:

Portable Flashlight

Garden lighting

General Lighting

## Package Dimensions:



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**Notes:**

1. Thermoelectric integrated Red chip package is the product.
2. All dimensions are in millimeters (inches).
3. Tolerance is  $\pm 0.25$  mm (0.01") unless otherwise noted.

Part NO.	Chip Material			Lens Color	Emitting Color
TX-RGB3A140-003K	Red	Green	Blue	Water Clear	Red & True Green & Blue
	AlGaInP	GaInN	GaInN		

**Absolute Maximum Ratings at Ta=25**

Parameter	Symbol		MAX.	Unit
LED Junction Temperature	T <sub>j</sub>		115	
Power Dissipation	P <sub>D</sub>	R	1890	mW
		G	2800	
		B	2660	
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	I <sub>FP</sub>		1000	mA
Continuous Forward Current	I <sub>F</sub>		700	mA
Reverse Voltage	V <sub>R</sub>		5	V
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Operating Temperature Range	T <sub>opr</sub>		-40 to +70	
Storage Temperature Range	T <sub>spr</sub>		-40 to +100	
Lead Soldering Temperature	T <sub>sol</sub>		Hand Soldering: 350	for 8 sec.

**Notes:**

1. Specifications are subject to change without notice.
2. Under the stipulated Characteristics parameters above, the life span of the LED is more than 50,000hours.
3. The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
4. Precautions for ESD:  
 STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.



Typical Electrical / Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)

