

# TX-1312SW08A-1840V39-03H90

## PRODUCT SPECIFICATION

### Features:

- ◆ Excellent transiting heat from LED chip operating under 400mA.
- ◆ Provide uniform cross distribution of positive white and warm white dual color scheme, mixed pure.
- ◆ High luminous output.
- ◆ No UV.
- ◆ Encapsulated materials are environmentally certified and meet environmental requirements.

### Chip Material:

- ◆ GaInN

### Emitting Color:

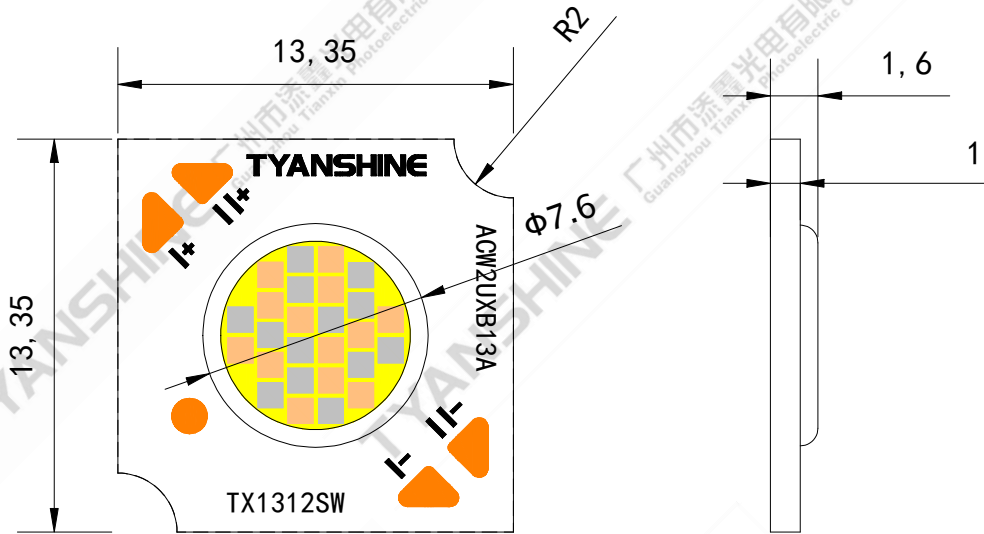
- ◆ White
- ◆ Warm white

### Applications:

- ◆ Commercial lighting
- ◆ General Lighting

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**Package Dimensions:**



I: Warm White (S); II: White (W)

**Notes:**

- 1.All dimensions are in millimeters.
- 2.Tolerances unless otherwise mentioned are  $\pm 0.25\text{mm}$ .

**Code Formats:**

TX-1312SW08A-1840V39-03H90

TX	—	13	12	SW	08	A	—	1840	V39	—	03	H90
TYANSHINE	—	series	watt type	performance	LES	texture	—	CCT	VOL TS	—	BOM	Ra

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**Absolute Maximum Ratings**

Parameter	Symbol	Ratings	Unit
Forward Current	IF	400	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	S	16
		W	16
		S+W	16
Junction Temperature	Tj	S	150
		W	150
Case Temperature (C)	Tc	85	°C
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-30~+100	°C
Operation Temperature	Topr	-30~+85	

**Notes:**

- Specifications are subject to change without notice.
- The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 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.

**Electrical Optical Characteristics (Tc=25°C)**

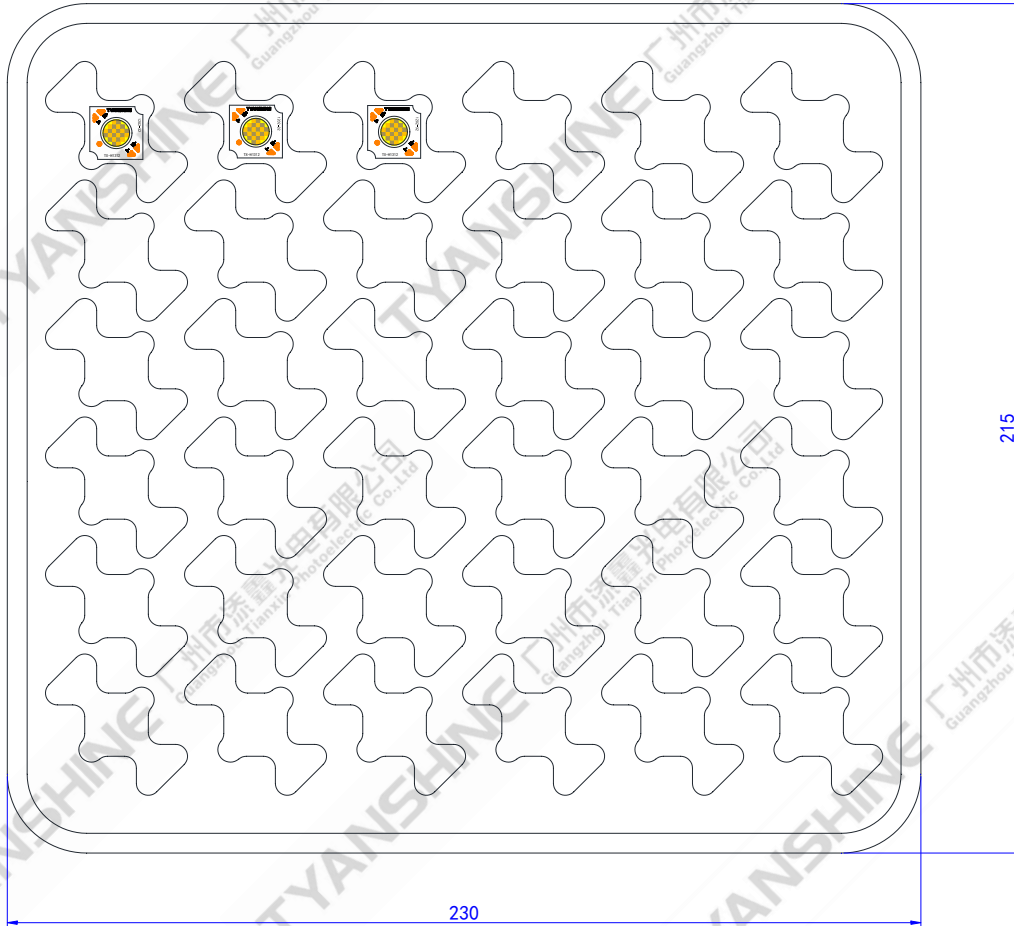
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	$\phi_v$	If=250mA	S	540	640	—	lm
			W	850	1000	—	
Forward Voltage	$V_f$		S	35	37	39	V
			W	35	37	39	
Correlated Colour Temperature	CCT		S	1800	1850	1900	K
			W	3900	4050	4200	
Viewing Angle at 50% IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	$I_R$		—	—	—	—	$\mu A$
Thermal Resistance Junction to Case	$R\theta_{J-C}$		—	—	2.6	—	K/W
Color Rendering Index	$R_a$	S	80	—	—	—	
		W	90	—	—		

**Notes:**

- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement tolerance:±3%.
5. $R_a$  measurement tolerance:±2.

**Dimensions For Cannulation And Packaging**

**Quantity: 36PCS**



**Notes:**

1. All dimensions are in millimeters.
2. Tolerances are  $\pm 2.0$  mm unless otherwise noted.
3. The products are packaged together with silica gel, Transport, not to the weight of welding LED light-emitting area, As a result of the weight of LED light-emitting zone in the quality of, Irresponsible of the Company.

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