

TX-2828SW150C25F13-03H952770

PRODUCT SPECIFICATION

Features:

- ◆ Excellent transiting heat from LED chip operating under 3500mA.
- ◆ 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:

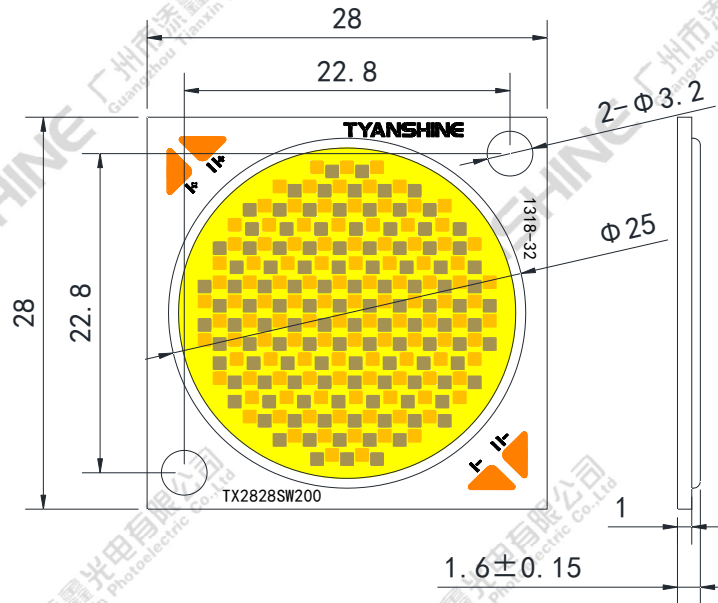
- ◆ White
- ◆ Warm white

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-2828SW150C25F13-03H952770

TX	—	2828	SW	150	C	25	F	13	—	03	H95	2770
TYANSHINE	—	series	performance	watt typ	texture	LES	chip code	die count in series	—	BOM	Ra	CCT

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Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF	3800	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	W	150
		S	150
		S+W	150
Junction Temperature	Tj	W	150
		S	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:

- 1.Specifications are subject to change without notice.
- 2.The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 3.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.

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Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=3500mA	S	8500	10000	—	lm
			W	11000	13000	—	
Forward Voltage	V_f		S	36	38	40	V
			W	36	38	40	
Correlated Colour Temperature	CCT		S	2600	2700	2800	K
			W	6600	6900	7200	
Viewing Angle at 50% IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I_R		—	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$		S	—	0.18	—	K/W
		W	—	0.18	—		
Color Rendering Index	Ra	S	—	95	—	—	
		W	—	95	—		

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:±10%.
- 4.Forward voltage measurement tolerance:±3%.
- 5.Ra measurement tolerance:±2.

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