

TX-H2560SW21C-2770V36-03H95

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 2800mA.
- ◆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:

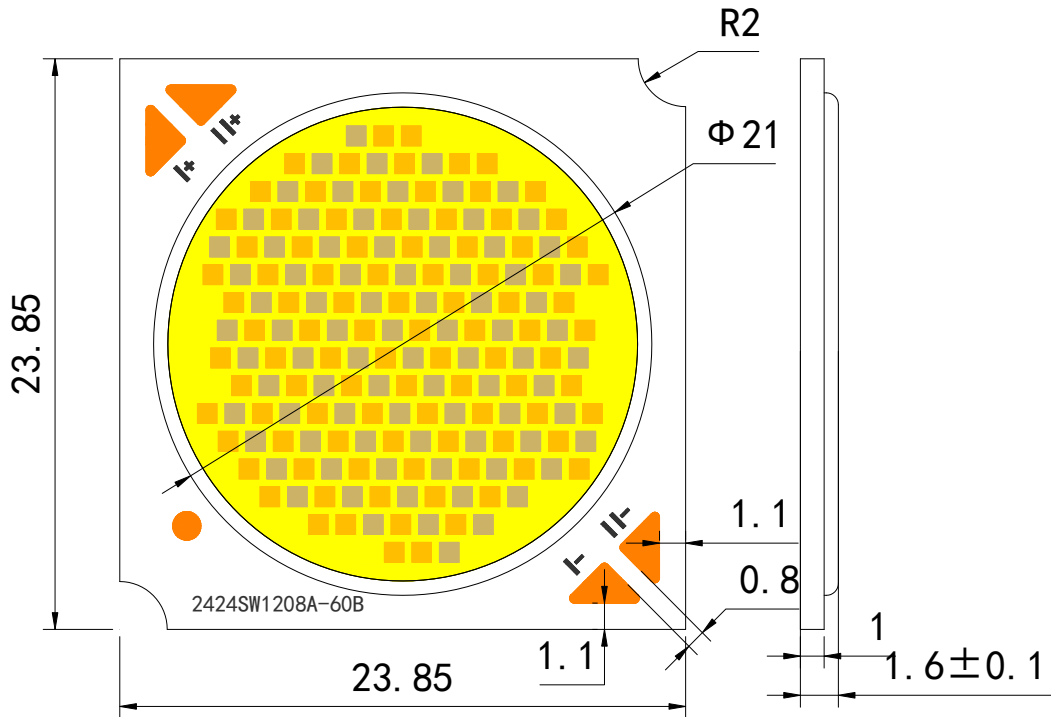
- ◆White
- ◆Warm white

Applications:

- ◆Commercial lighting
- ◆General Lighting

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Package Dimensions:



I: Warm white ; II: White

Notes:

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are ±0.25mm .

Code Formats:

TX-H2560SW21C-2770V36-03H95

TX	—	H	25	60	SW	21	C	—	2770	V36	—	03	H95
TYANSHINE	—	high density	series	watt typ	performance	LES	texture	—	CCT	VOLTs	—	BOM	Ra

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Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF(S/W)	2800	mA
Reverse Voltage	V _R	Not designed for reverse operation	V
Power Dissipation	P _D	W	100
		S	100
		S+W	100
Junction Temperature	T _j	W	135
		S	135
Case Temperature (C)	T _c	85	°C
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	T _{stg}	-30~+100	°C
Operation Temperature	T _{opr}	-30~+80	

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	ϕ_v	If=1800mA	S	—	4450	—	lm
			W	—	6300	—	
Forward Voltage	V_f		S	33	35	37	V
			W	33	35	37	
Correlated Colour Temperature	CCT		S	2600	2670	2740	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	—	0.11	—	K/W
		W	—	0.12	—		
Temperature Coefficient of Voltage	$V\Delta F/T$	S	—	-13.2	—	mV/°C	
		W	—	-13.2	—		
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:±15%.
- 4.Forward voltage measurement tolerance:±3%.
- 5.Ra measurement tolerance: ± 2.