

TX-5353SW230C30F14-03H952770

PRODUCT SPECIFICATION (R&D version)

Features:

- ◆ Excellent transiting heat from LED chip operating under 6A.
- ◆ 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:

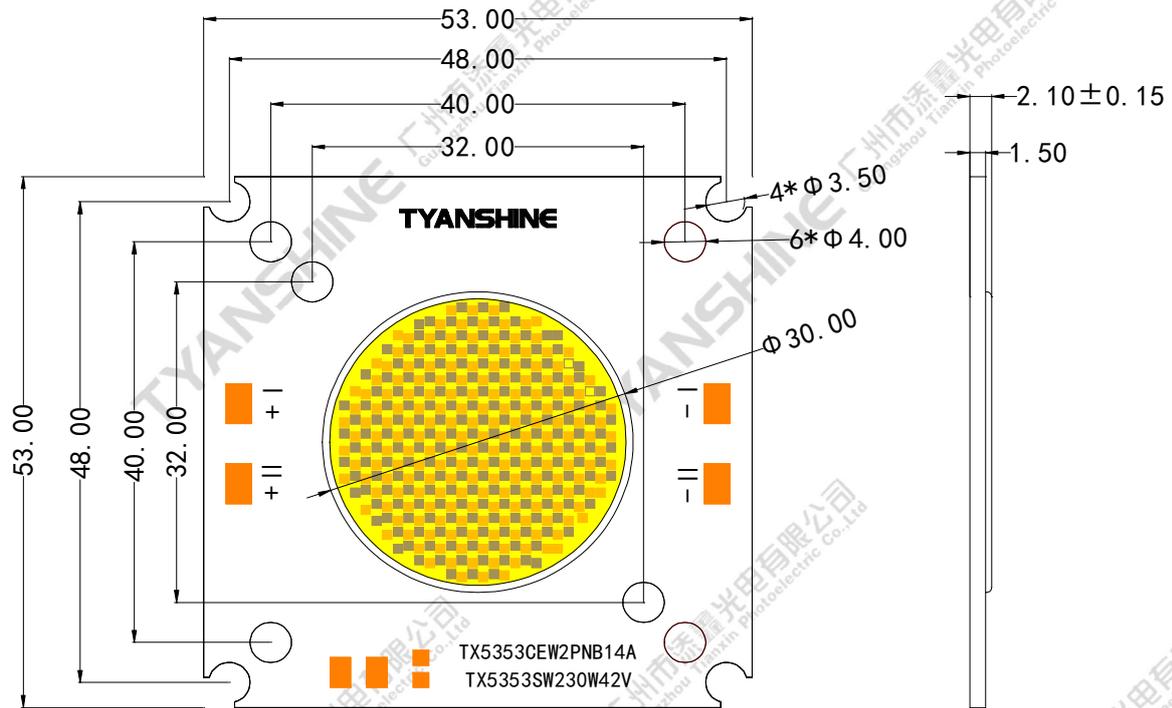
- ◆ White
- ◆ Warm white

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 ±0.25mm .

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Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF	6	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	S	250
		W	250
		S+W	250
Junction Temperature	Tj	S	135
		W	135
Case Temperature (C)	Tc	85	°C
Storage Temperature	Tstg	-40~+70	°C
Operation Temperature	Topr	-40~+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=5.5A	S	—	15000	—	lm
			W	—	20000	—	
Forward Voltage	V_f		S	39	42	45	V
			W	39	42	45	
Correlated Colour Temperature	CCT		S	2600	2700	2740	K
			W	6600	7000	7200	
Viewing Angle at 50% IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I_R		—	—	—	—	μA
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.

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