

TX-5353SW330C36F17-03H952770

PRODUCT SPECIFICATION (R&D version)

Features:

- ◆Excellent transiting heat from LED chip operating under 5A.
- ◆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:

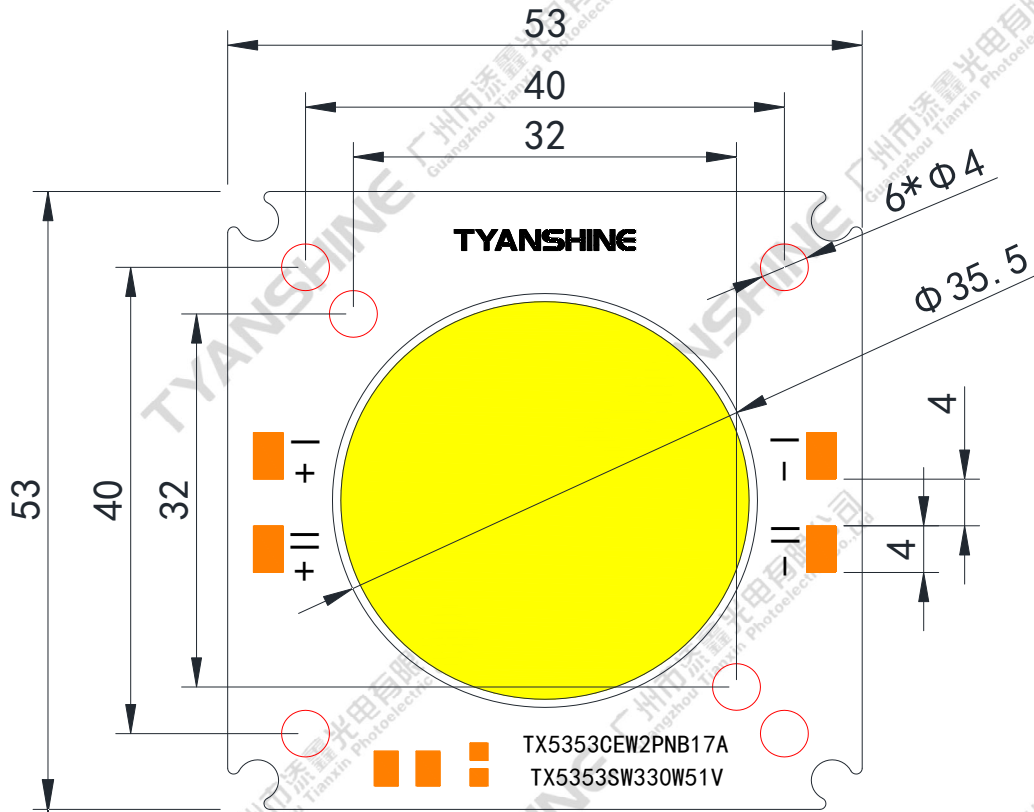
- ◆White
- ◆Warm white

Applications:

- ◆Commercial lighting
- ◆General Lighting

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Package Dimensions:



Notes:

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

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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	300
		W	300
		S+W	330
Junction Temperature	Tj	S	135
		W	135
Case Temperature (C)	Tc	85	°C
Storage Temperature	Tstg	-30~+70	°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=5A	S	—	15000	—	lm
			W	—	22000	—	
Forward Voltage	V_f		S	47	49	51	V
			W	47	49	51	
Correlated Colour Temperature	CCT		S	—	2700	—	K
			W	—	7000	—	
Viewing Angle at 50% IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I_R		—	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$		If=5A	S	—	0.12	—
		W		—	0.12	—	
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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