TX-5353SW330C36F17-03H952770

PRODUCT SPECIFICATION

Features:

◆Excellent transiting heat from LED chip operating under 6.5A.

◆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

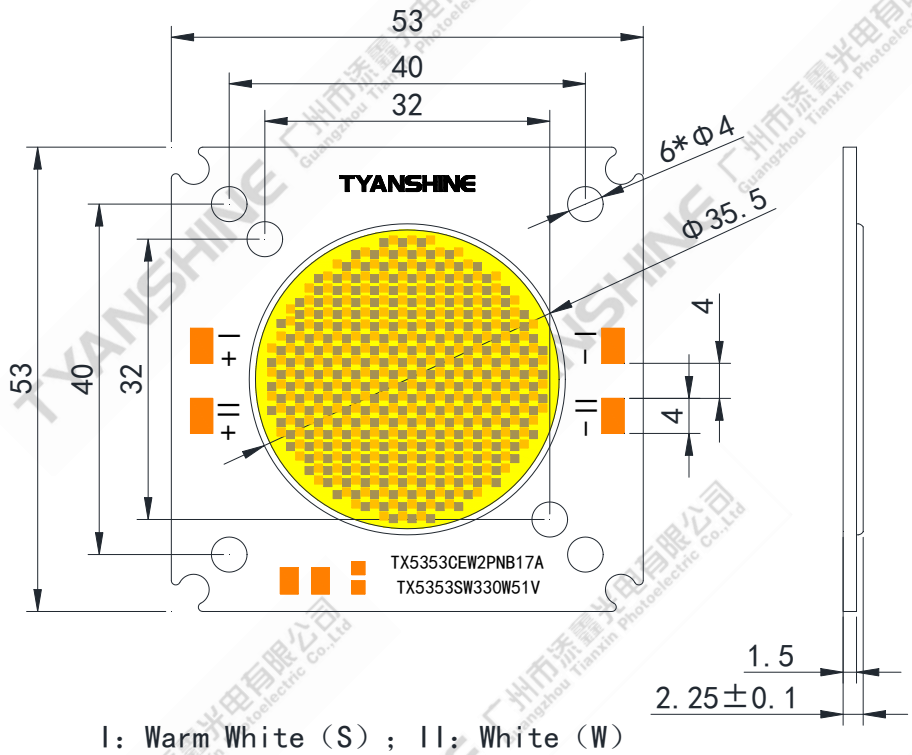
◆Warm white

Applications:

◆Commercial lighting

◆General Lighting

Package Dimensions:



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

Notes:

1.All dimensions are in millimeters .

2.Tolerances unless otherwise mentioned are ±0.25mm .

Absolute Maximum Ratings

Parameter	Symbol		Ratings	Unit
Forward Current	IF		6.5	A
Reverse Voltage	V_R		Not designed for reverse operation	V
Power Dissipation	P_D	S	330	W
		W	330	
		S+W	330	
Junction Temperature	Tj	S	150	℃
		W	150	
Case Temperature (C)	Tc		85	℃
Storage Temperature	T_{stg}		-30~+100	℃
Operation Temperature	T_{opr}		-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.

Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	φ_v	If=5A	S	16000	18000	20500	lm
			W	22500	25500	29000	
Forward Voltage	V_f		S	47	49	51	V
			W	47	49	51	
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
Thermal Resistance Junction to Case	$R\theta_{J-C}$	If=5A	S	—	0.12	—	K/W
			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.