

TX-5353W600C35F17-10H95

PRODUCT SPECIFICATION

Features:

- ◆ Excellent transiting heat from LED chip operating under 5.9A*2(I+II).
- ◆ 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:

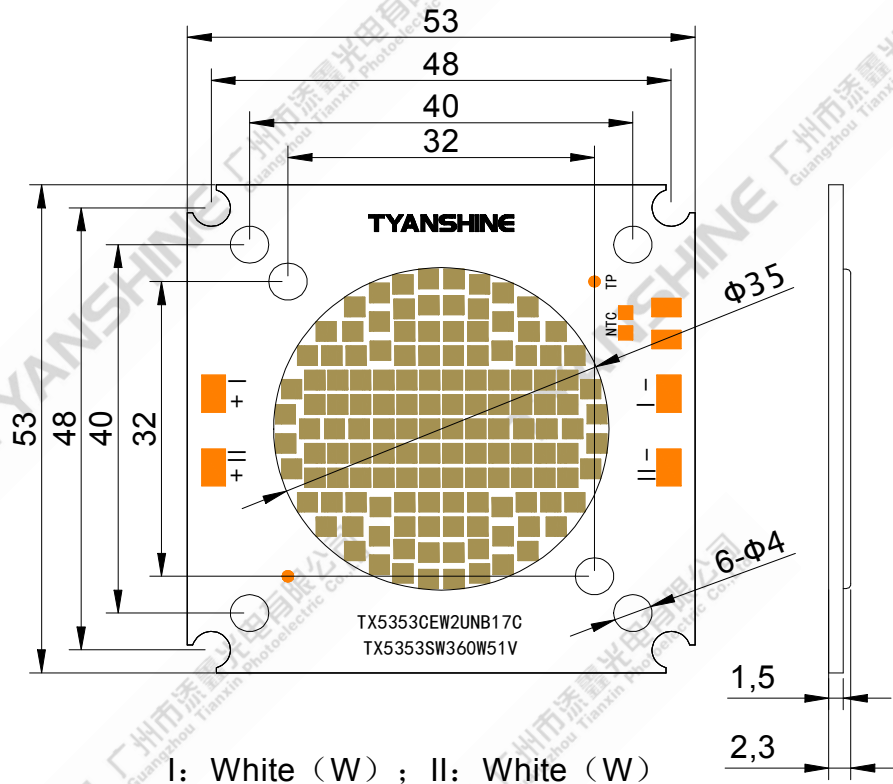
- ◆ White

Applications:

- ◆ Commercial lighting
- ◆ General Lighting

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Package Dimensions:



Notes:

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

Code Formats:

TX-5353W600C35F17-10H95

TX	—	5353	W	600	C	35	F	17	—	10	H95
TYANSHINE	—	series	performance	watt typ	texture	LES	chip code	die count in series	—	BOM	Ra

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Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF (I+II)	5.9A*2	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	600	W
Junction Temperature	Tj	150	°C
Case Temperature (C)	Tc	85	°C
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-40~+100	°C
Operation Temperature	Topr	-40~+85	

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.

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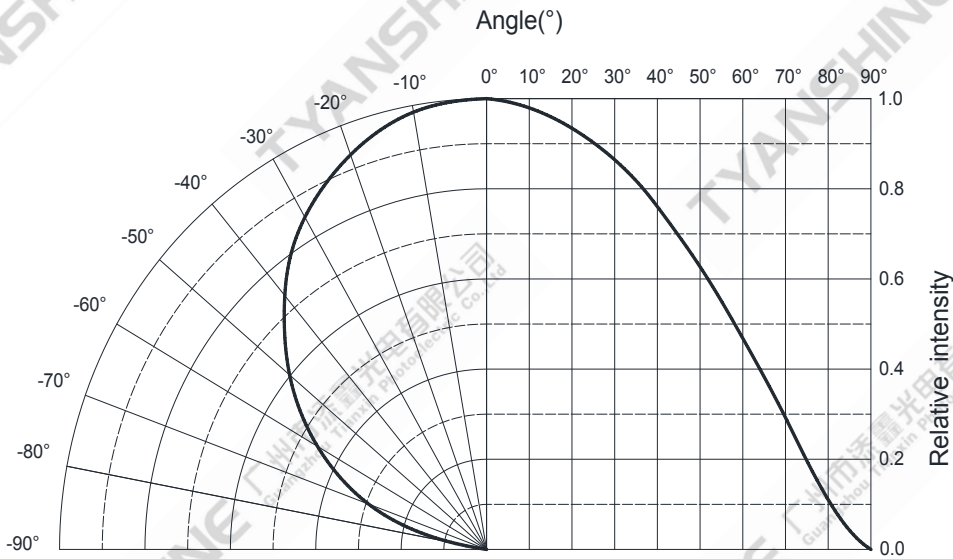
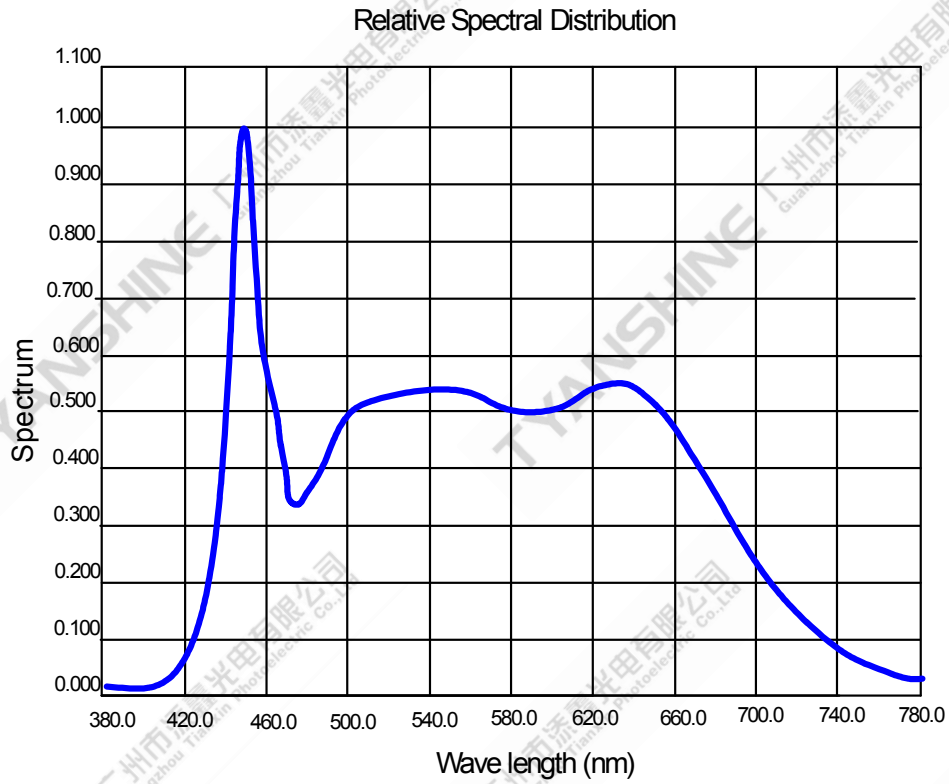
Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=1.5A*2 (I+II)	W	16000	19000	—	lm
Forward Voltage	V_f		W	44	47	50	V
Correlated Colour Temperature	CCT		W	5000	—	5400	K
Luminous Flux	ϕ_v	If=5.9A*2 (I+II)	W	52000	62000	—	lm
Forward Voltage	V_f		W	48	51	54	V
Correlated Colour Temperature	CCT		W	5400	—	5800	K
Viewing Angle at 50% IV	$2\theta_{1/2}$		W	—	115	—	Deg
Color Rendering Index	Ra		W	95	—	—	—
	R9		W	90	—	—	—
TLCI	—		W	95	—	—	—
TM-30	RF		W	90	—	—	—
	RG		W	98	—	103	—

Notes:

- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- Luminous flux measurement tolerance: $\pm 10\%$.
- Forward voltage measurement tolerance: $\pm 3\%$.
- Ra measurement tolerance: ± 2 .
- chromaticity (x, y) measurements tolerance: ± 0.005 .

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Notes:

1. $2\theta_{1/2}$ is the off axis angle from lamp centerline where the luminous intensity is 1/2 of the peak value.
2. View angle tolerance is $\pm 5^\circ$.

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