

TX-6060W750C40F17-10H95

PRODUCT SPECIFICATION (R&D version)

Features:

- ◆ Excellent transiting heat from LED chip operating under 7.35A*2(S+W).
- ◆ 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:

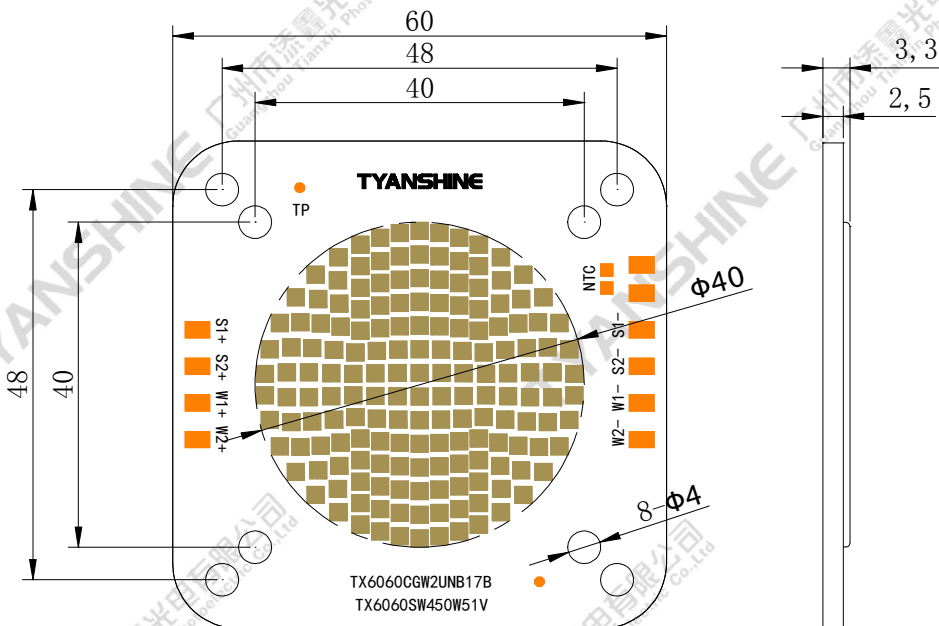
- ◆ White
- ◆ Warm white

Applications:

- ◆ Commercial lighting
- ◆ General Lighting

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Package Dimensions:



S1/S2: White(S) W1/W2:White(W)

Notes:

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

Code Formats:

TX-6060W750C40F17-10H95

TX	—	6060	W	750	C	40	F	17	—	10	H95
TYANSHINE	—	series	performance	watt typ	texture	LES	chip code	die count in series	—	BOM	Ra

Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF(S+W)	7.35A*2	A
Reverse Voltage	V _R	Not designed for reverse operation	V
Power Dissipation	P _D S+W	750	W
Junction Temperature	T _j	150	°C
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Case Temperature (C)	T _c	105	°C
Storage Temperature	T _{stg}	-40~+100	°C
Operation Temperature	T _{opr}	-40~+105	

Notes:

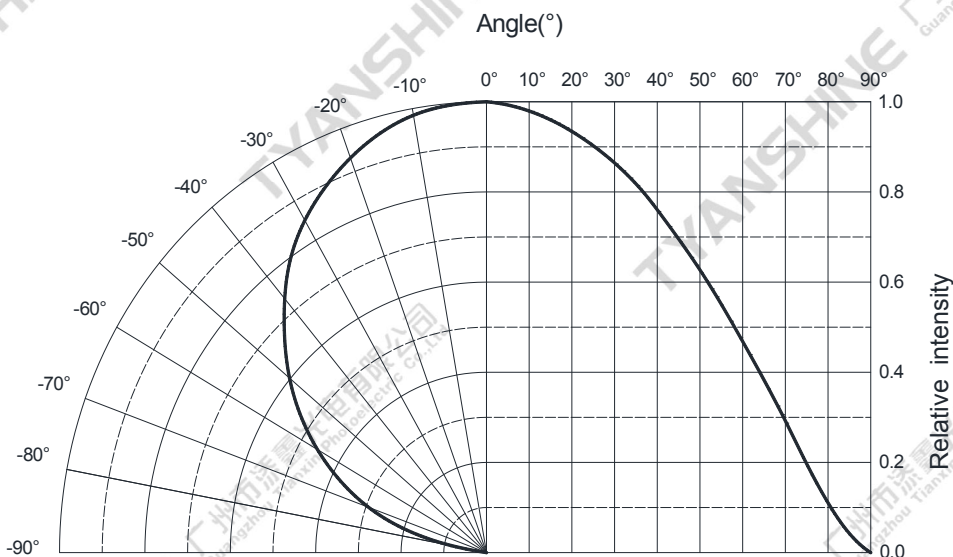
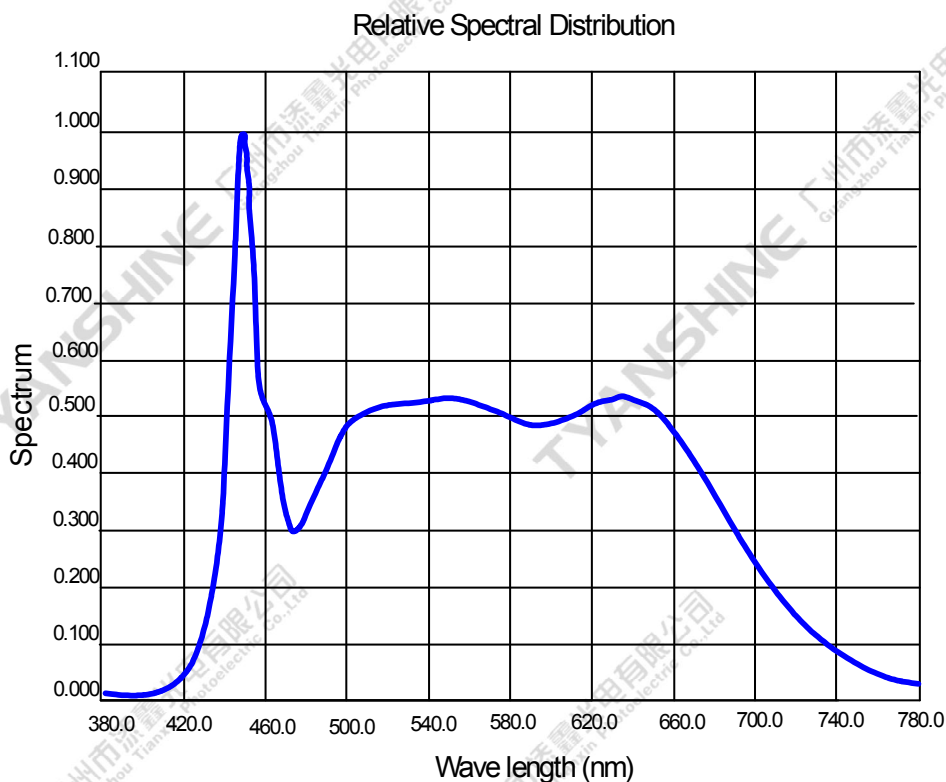
- Specifications are subject to change without notice.
- The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- Precautions for ESD:
 STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic 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=1.5A*2	S+W	16000	20000	—	lm
Forward Voltage	V_f		S+W	43	45	47	V
Correlated Colour Temperature	CCT		S+W	4800	—	5300	K
			S+W	6500	—	7000	K
Viewing Angle at 50% IV	$2\theta_{1/2}$		S+W	—	115	—	Deg
Color Rendering Index	Ra		S+W	95	—	—	—
TLCI	—		S+W	95	—	—	—
TM-30	RF		S+W	90	—	—	—
	RG		S+W	98	—	103	—

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.
- 6.chromaticity (x, y) measurements tolerance: ±0.005.



Notes:

1. $\theta_{1/2}$ 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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