

TX-6060W1000C47F19-10H95

PRODUCT SPECIFICATION (R&D version)

Features:

- ◆ Excellent transiting heat from LED chip operating under 4.3A*4(S1+S2//W1+W2).
- ◆ 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:

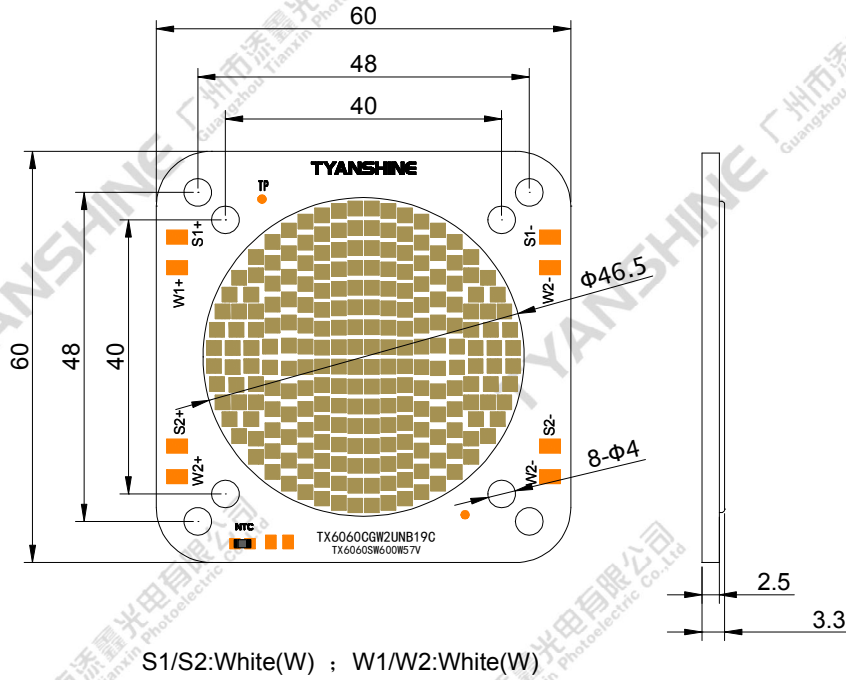
- ◆ White
- ◆ Warm white

Applications:

- ◆ Commercial lighting
- ◆ General Lighting

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Package Dimensions:



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

Notes:

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are ± 0.25 mm .

Code Formats:

TX-6060W1000C47F19-10H95

TX	—	6060	W	1000	C	47	F	19	—	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 (S1+S2/W1+W2)		4.3A*4	A
Reverse Voltage	V _R		Not designed for reverse operation	V
Power Dissipation	P _D	(S1+S2/W1+W2)	1000	W
Junction Temperature	T _j		150	°C
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Case Temperature (C)	T _c		100	°C
Storage Temperature	T _{stg}		-40~+100	°C
Operation Temperature	T _{opr}		-40~+100	

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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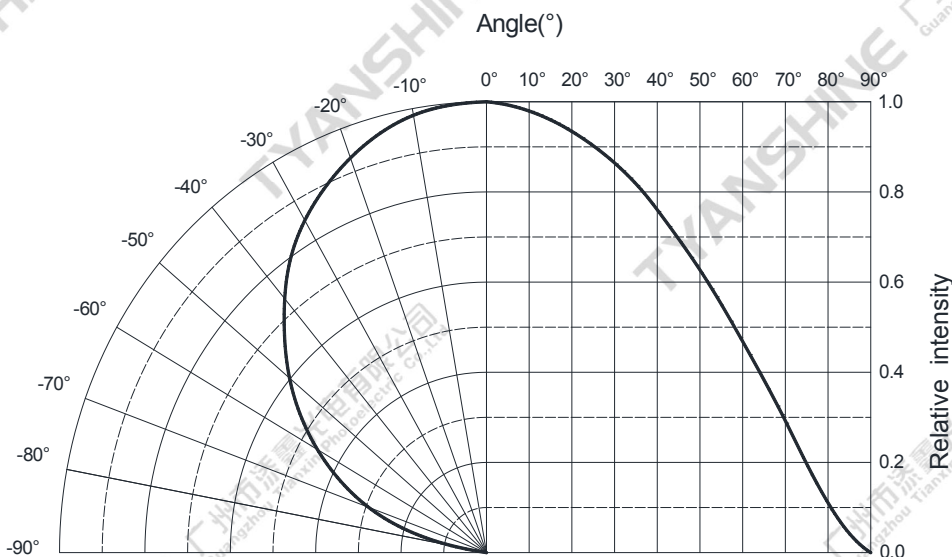
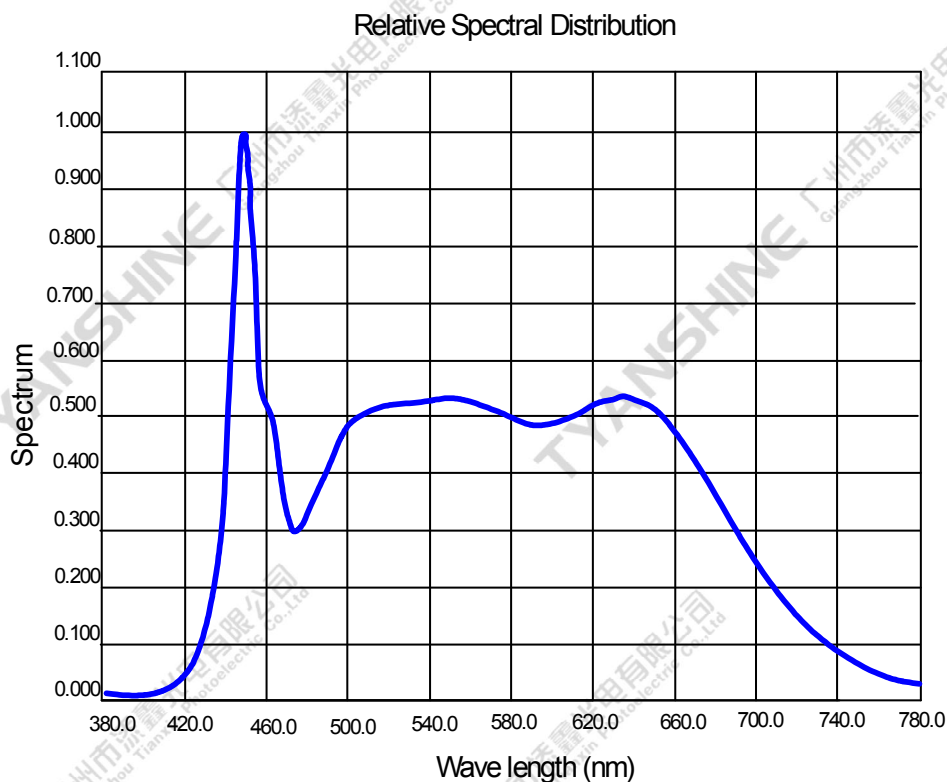
Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=0.75A*4 (S1+S2 W1+W2)	W	18500	22000	—	lm
Forward Voltage	V_f		W	48	51	54	V
Correlated Colour Temperature	CCT		W	5000	—	5400	K
Luminous Flux	ϕ_v	If=4.3A*4 (S1+S2 W1+W2)	W	85000	100000	—	lm
Forward Voltage	V_f		W	53	56	59	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: $\pm 15\%$.
- Forward voltage measurement tolerance: $\pm 3\%$.
- Ra measurement tolerance: ± 2 .
- chromaticity (x, y) measurements tolerance: ± 0.005 .

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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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