

TX-5266W450FC120-NUFENW-B01H95

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 13.5A.
- ◆High luminous output.
- ◆No UV.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆GaN

Emitting Color:

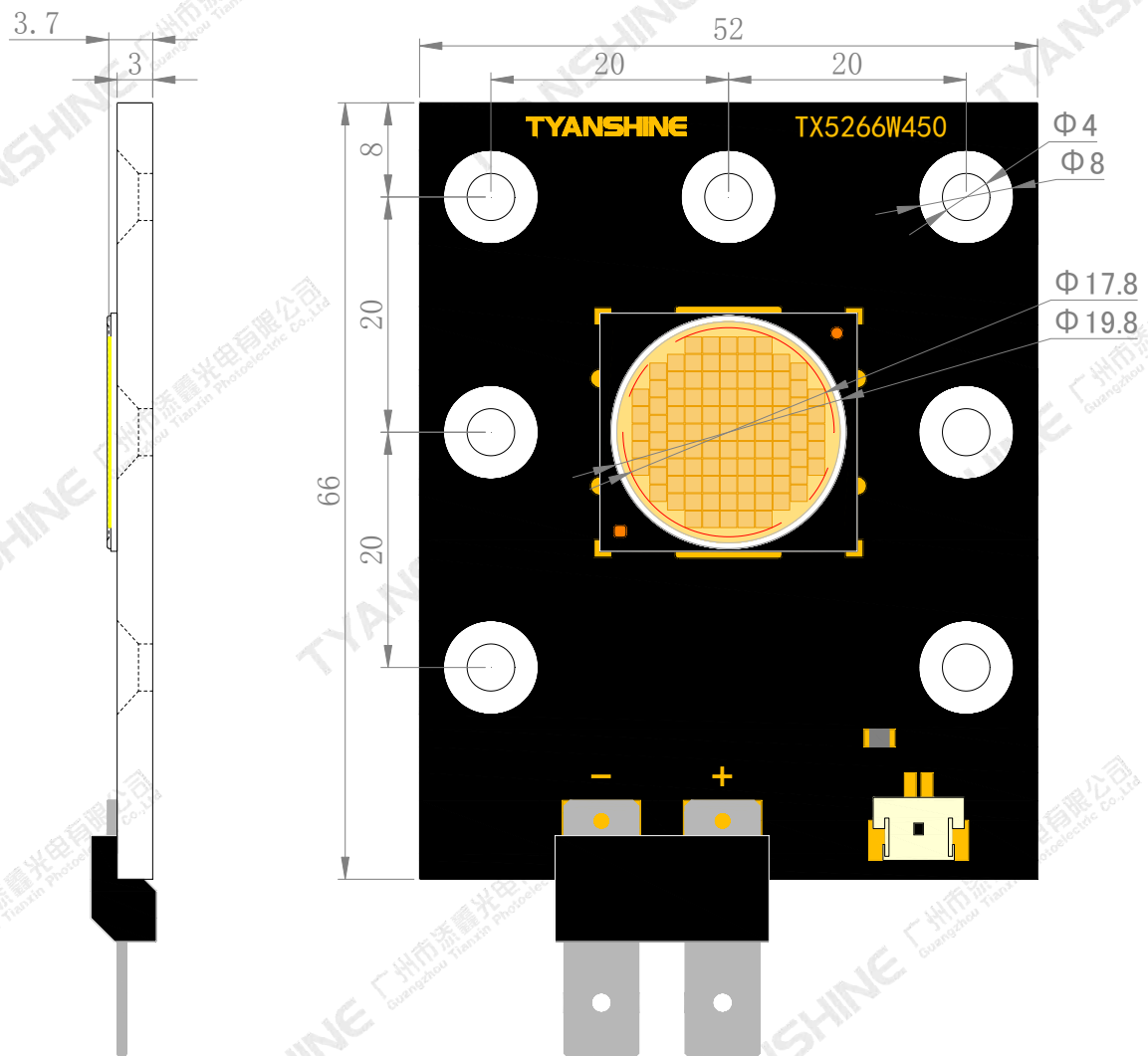
- ◆White

Applications:

- ◆Auxiliary lighting
- ◆Architectural lighting

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Package Dimensions:



Notes:

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are ± 0.1 mm .

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Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	13.5	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	468	W
Junction Temperature	Tj	150	℃
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-20~+70	℃
Operation Temperature	Topr	-30~+100	

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:

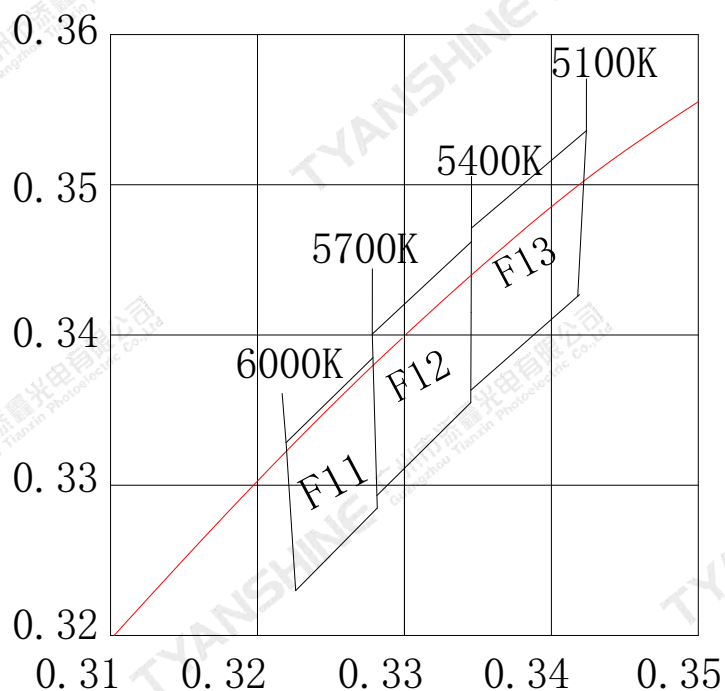
STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

Electrical Optical Characteristics

Parameter	Symbol	Condition	Emitting Color	Min.	Typ.	Max.	Units
Luminous Flux	Φ_v	If=13A (Tc=25℃)	W	27500	30000	32500	lm
		If=13A (Tc=85℃)	W	22200	24180	26200	
Correlated Colour Temperature	CCT	If=13A (Tc=25℃)	W	5100	—	6000	K
		If=13A (Tc=85℃)	W	5240	—	6300	
Forward Voltage	V_f	If=13A (Tc=25℃)	W	33	35	37	V
		If=13A (Tc=85℃)	W	32.5	34.5	36.5	
Viewing Angle at 50 % IV	$2\theta_{1/2}$	—	—	—	120	—	Deg
Spectral Line Half-Width	$\Delta\lambda$	If=13A (Tc=25℃)	W	24	29	34	nm
		If=13A (Tc=85℃)	W	32	37	42	
Reverse Current	I_R	—	—	—	—	—	μA
Color Rendering Index	Ra	—	—	95	97	—	—
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	—	0.036	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	If=13A	—	—	-8.3	—	mV/℃
Thermistor(NTC)	Rt25	—	—	—	10	—	K Ω

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:±0.15V.

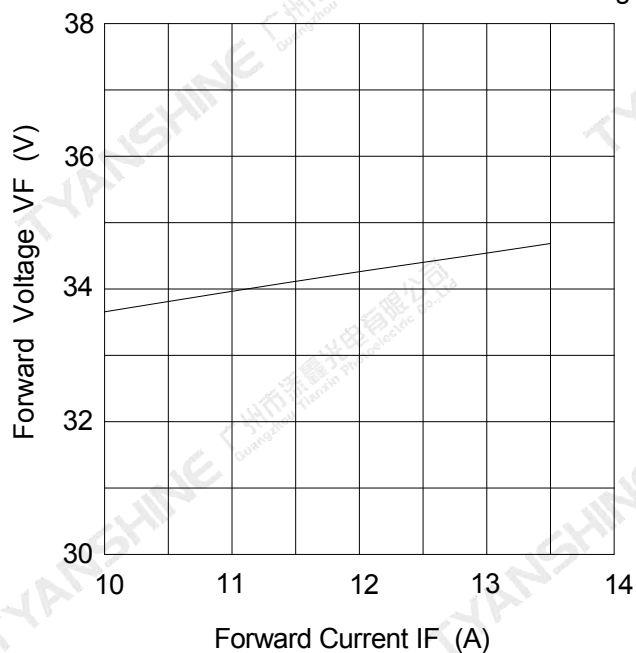
White light Color coordinate filing ($T_c=25^{\circ}\text{C}$)

Grade	TC	P1		P2		P3		P4	
		X1	Y1	X2	Y2	X3	Y3	X4	Y4
F11	5700-6000K	0.3226	0.323	0.3219	0.3328	0.3279	0.3385	0.3282	0.3285
F12	5400-5700K	0.3281	0.3293	0.3279	0.3401	0.3346	0.3462	0.3345	0.3355
F13	5100-5400K	0.3345	0.3363	0.3346	0.3471	0.3424	0.3536	0.3418	0.3426

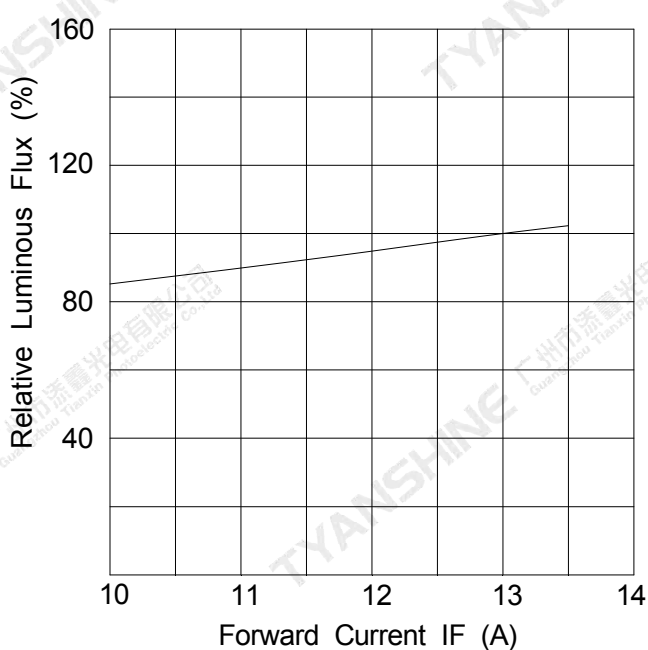
Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

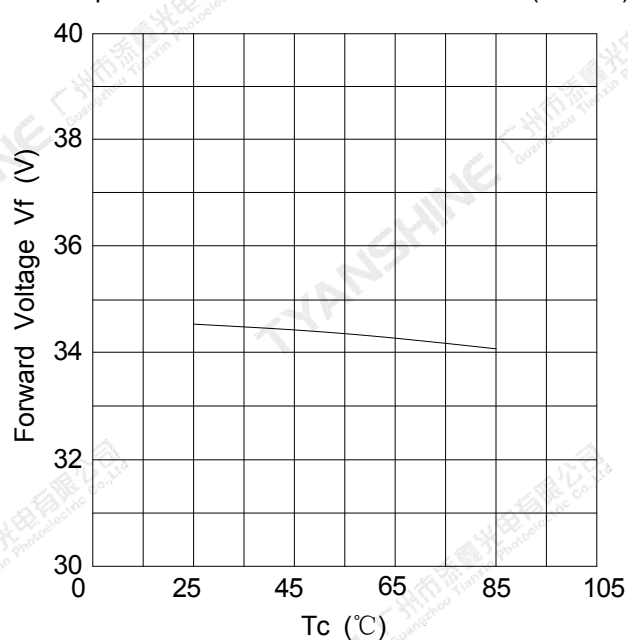
Forward Current VS. Relative Forward Voltage



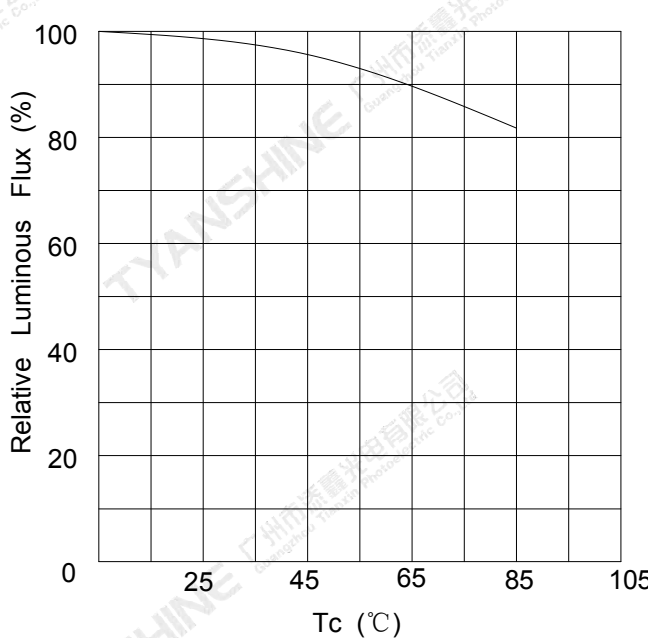
Forward Current VS. Relative Luminous Flux

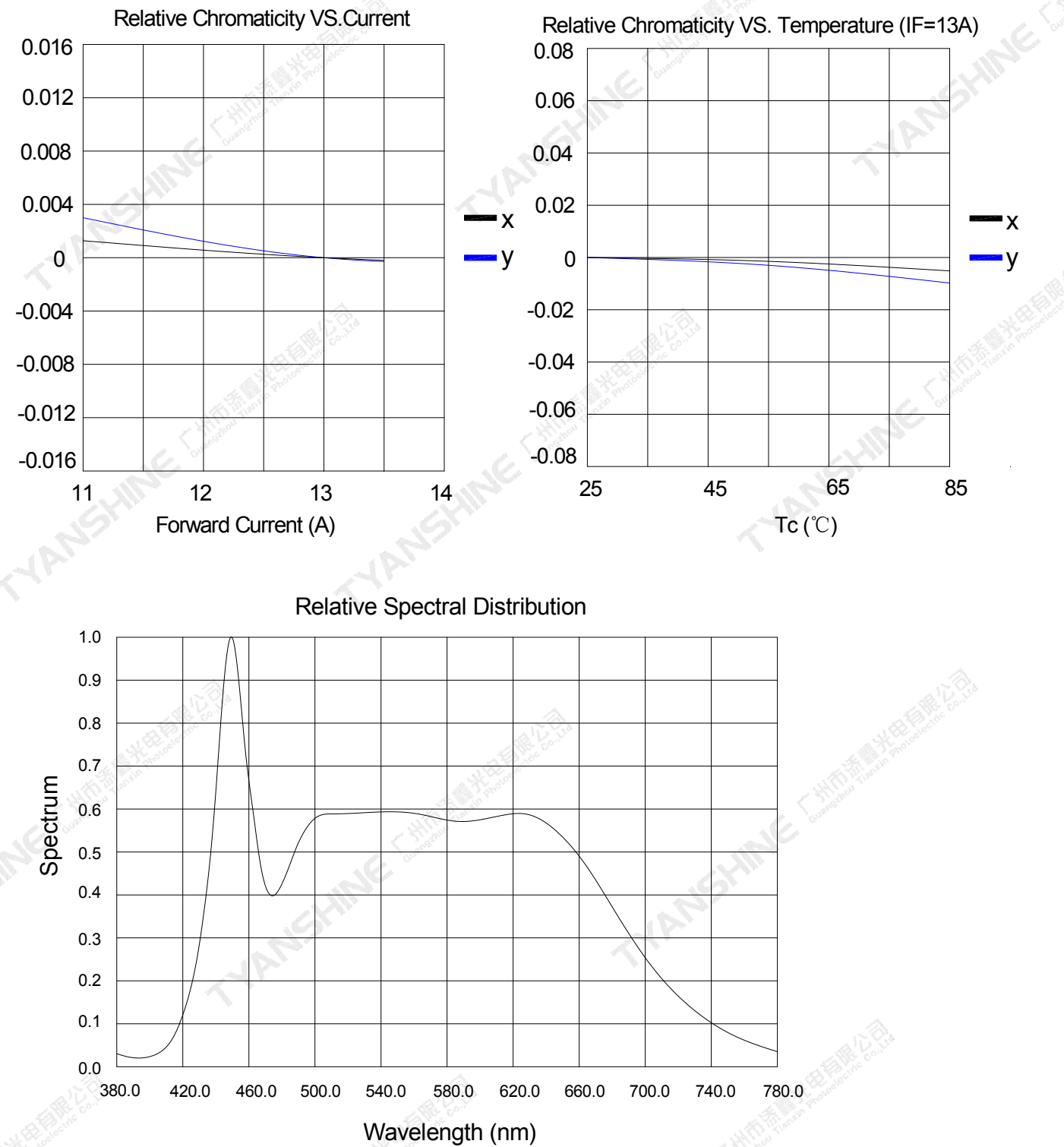


Temperature VS. Relative Luminous FLux (IF=13A)



Temperature VS. Forward Voltage (IF=13A)



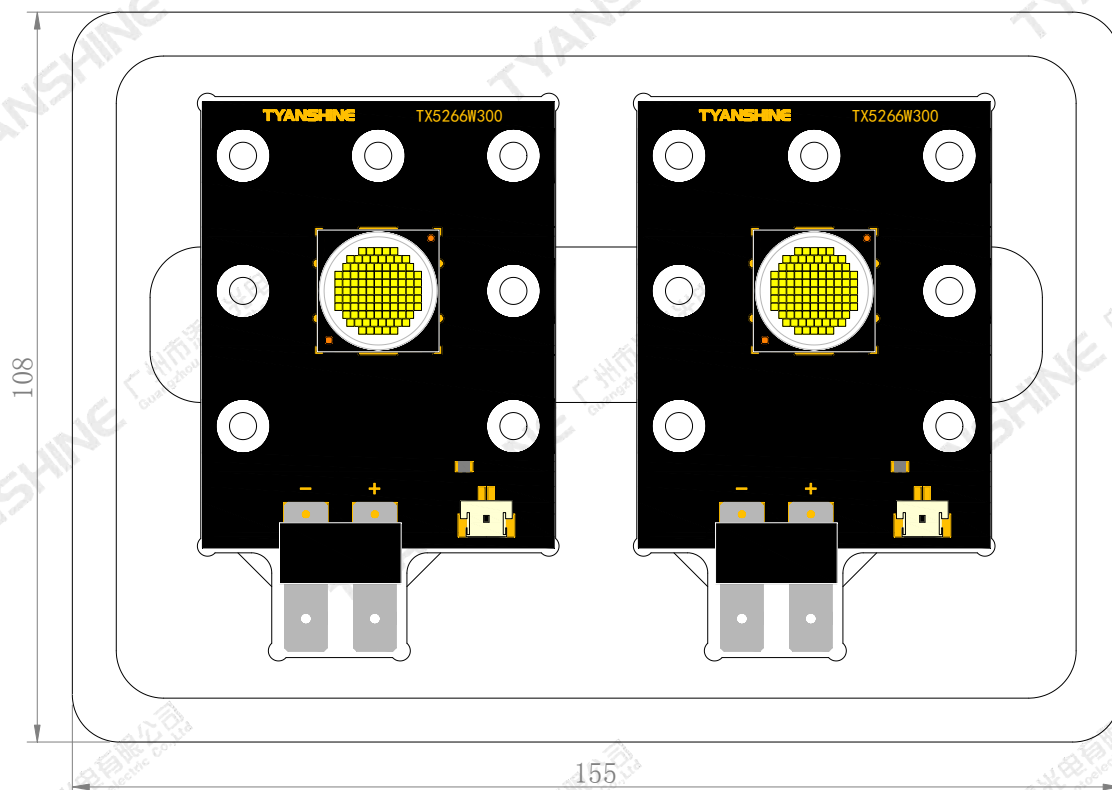


Notes:

- 2θ 1/2 is the off axis angle from lamp centerline where the luminous intensity is 1/2 of the peak value.
- View angle tolerance is ± 5°.

Dimensions For Cannulation And Packaging

Quantity:2 PCS

**Notes:**

1. All dimensions are in millimeters.
2. Tolerances are ± 2.0 mm unless otherwise noted.
3. The products are packaged together with silica gel, Transport, not to the weight of welding LED light-emitting area, As a result of the weight of LED light-emitting zone in the quality of, Irresponsible of the Company.

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