TX-1826W40FC180-NUVENG-A03

PRODUCT SPECIFICATION

Features:

◆Excellent transiting heat from LED chip operating under 2.5A.

◆High luminous output.

◆No UV.

◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

◆ThinGaN

Emitting Color:

◆White（W）

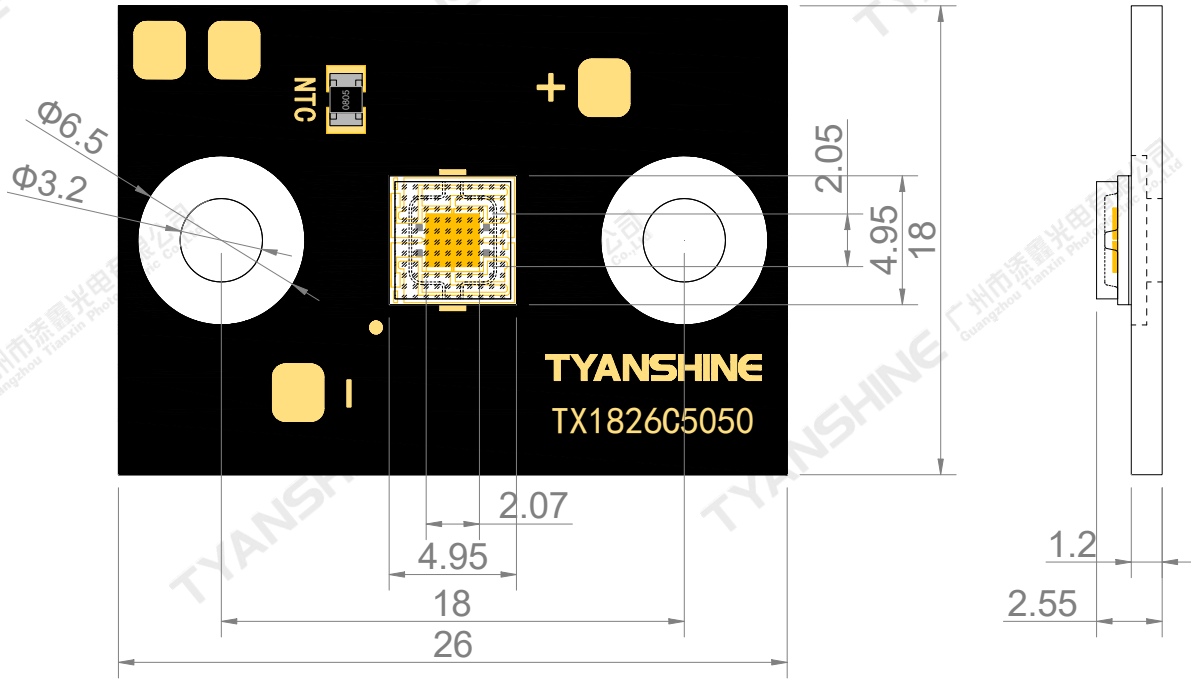
Applications:

◆Auxiliary lighting

◆Ambient lighting

◆Architectural lighting

Package Dimensions:



Notes:

1.All dimensions are in millimeters .

2.Tolerances unless otherwise mentioned are ±0.1mm .

Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	2.5	A
Reverse Voltage	V_R	Not designed for reverse operation	V
Power Dissipation	P_D	37.5	W
Junction Temperature	Tj	150	℃
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature(Only for LED, not including packaging)	T_{stg}	-40~+85	℃
Operation Temperature	T_{opr}	-40~+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=2.5A	W	2000	—	2500	lm
Forward Voltage	V_f		W	11	13	15	V
Viewing Angle at 50％IV	$2\theta_{1/2}$		W	—	120	—	Deg
Correlated Colour Temperature	CCT	If=2.5A	W	7500	—	10000	K
Reverse Current	I_R	—	W	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	W	—	0.89	—	K/W
Temperature Coefficient of Voltage	V△F/T	If=2.5A	W	—	-2.1	—	mV/℃

Notes:

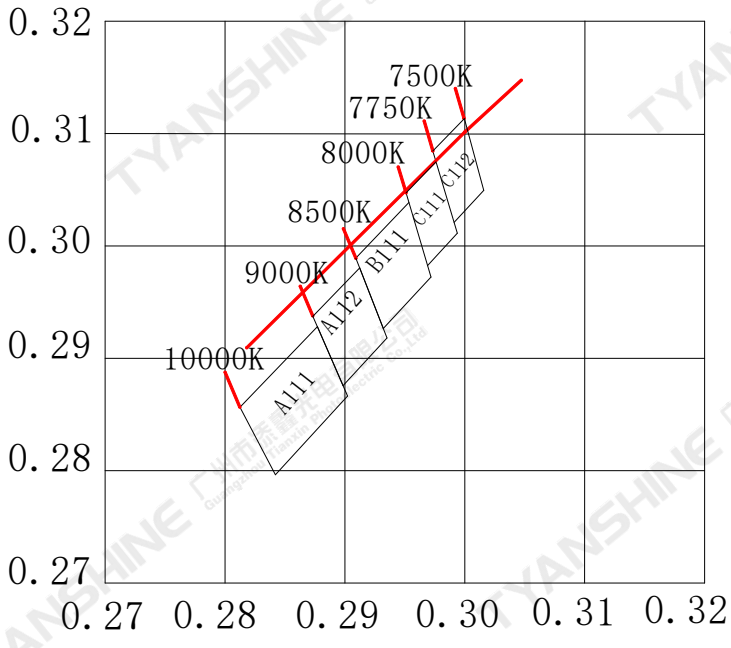
1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.

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 Color coordinate filing (IF=2.5A Tc=25℃)

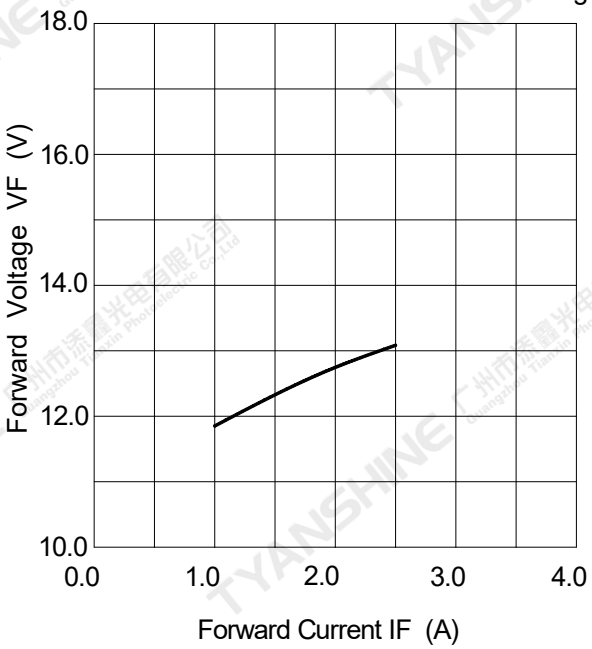


Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
C112	7500	7750	0.3019	0.304	0.3003	0.3104	0.2976	0.3075	0.2994	0.3011
C111	7750	8000	0.2994	0.3011	0.2976	0.3075	0.295	0.3046	0.2969	0.2982
B111	8000	8500	0.2972	0.2972	0.2953	0.3037	0.2909	0.2989	0.2932	0.2927
A112	8500	9000	0.2935	0.2918	0.2912	0.298	0.2873	0.2937	0.2898	0.2876
A111	9000	10000	0.2902	0.2866	0.2877	0.2928	0.2812	0.2856	0.2842	0.2796

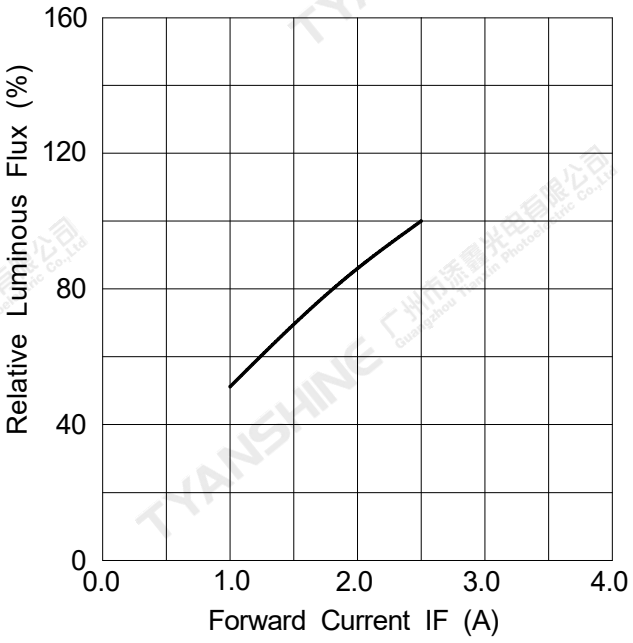
Typical Electrical/Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)

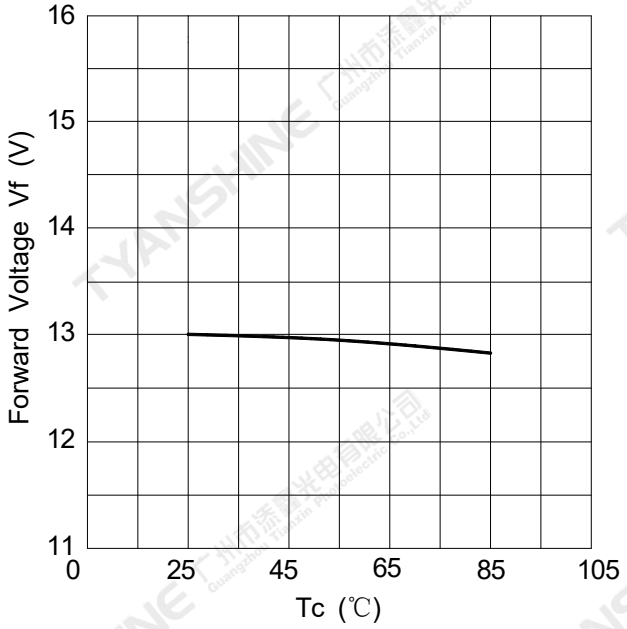
Forward Current VS. Relative Forward Voltage



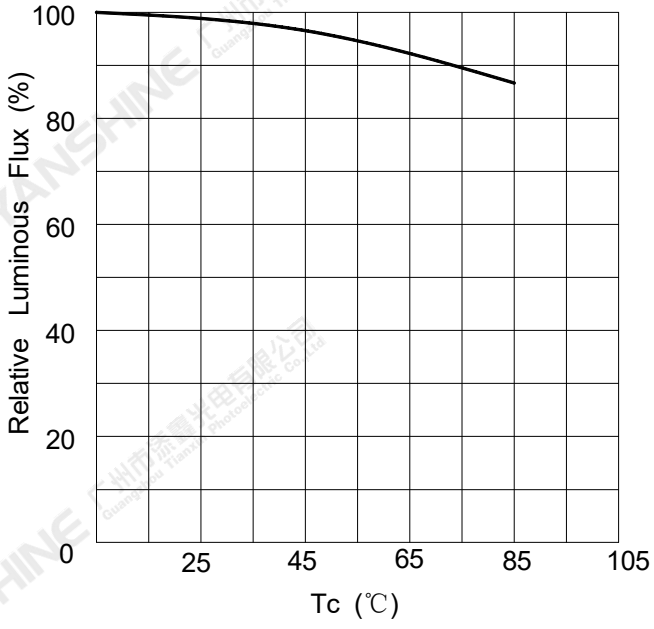
Forward Current VS. Relative Luminous Flux

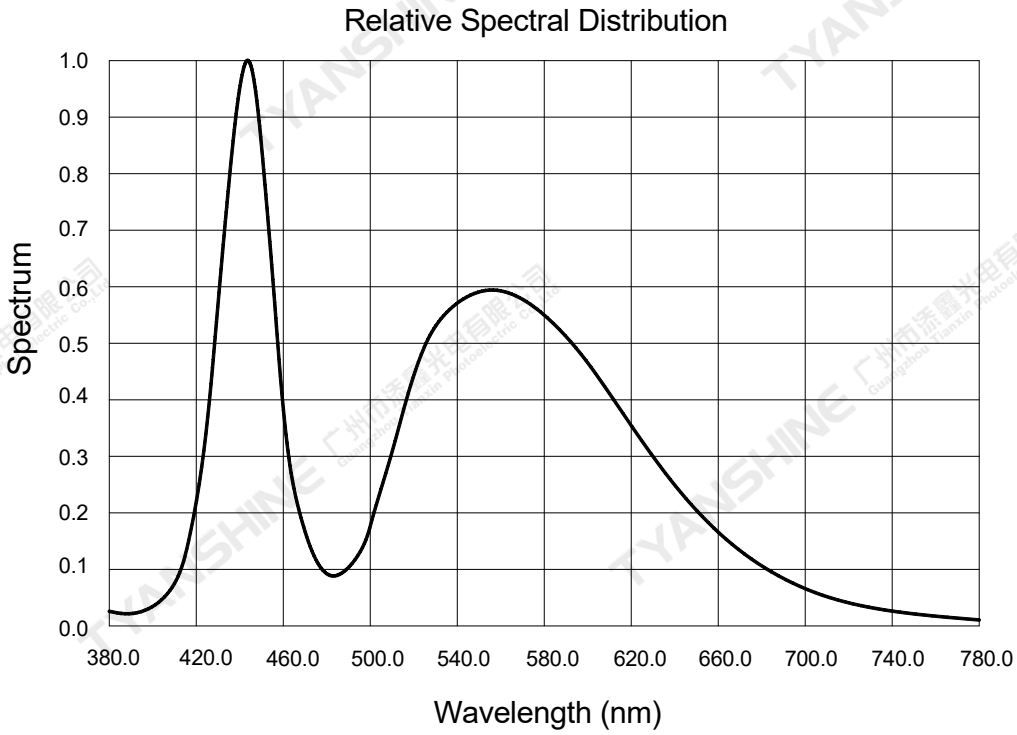


Temperature VS. Relative Luminous FLux (IF=2.5A)



Temperature VS. Forward Voltage (IF=2.5A)



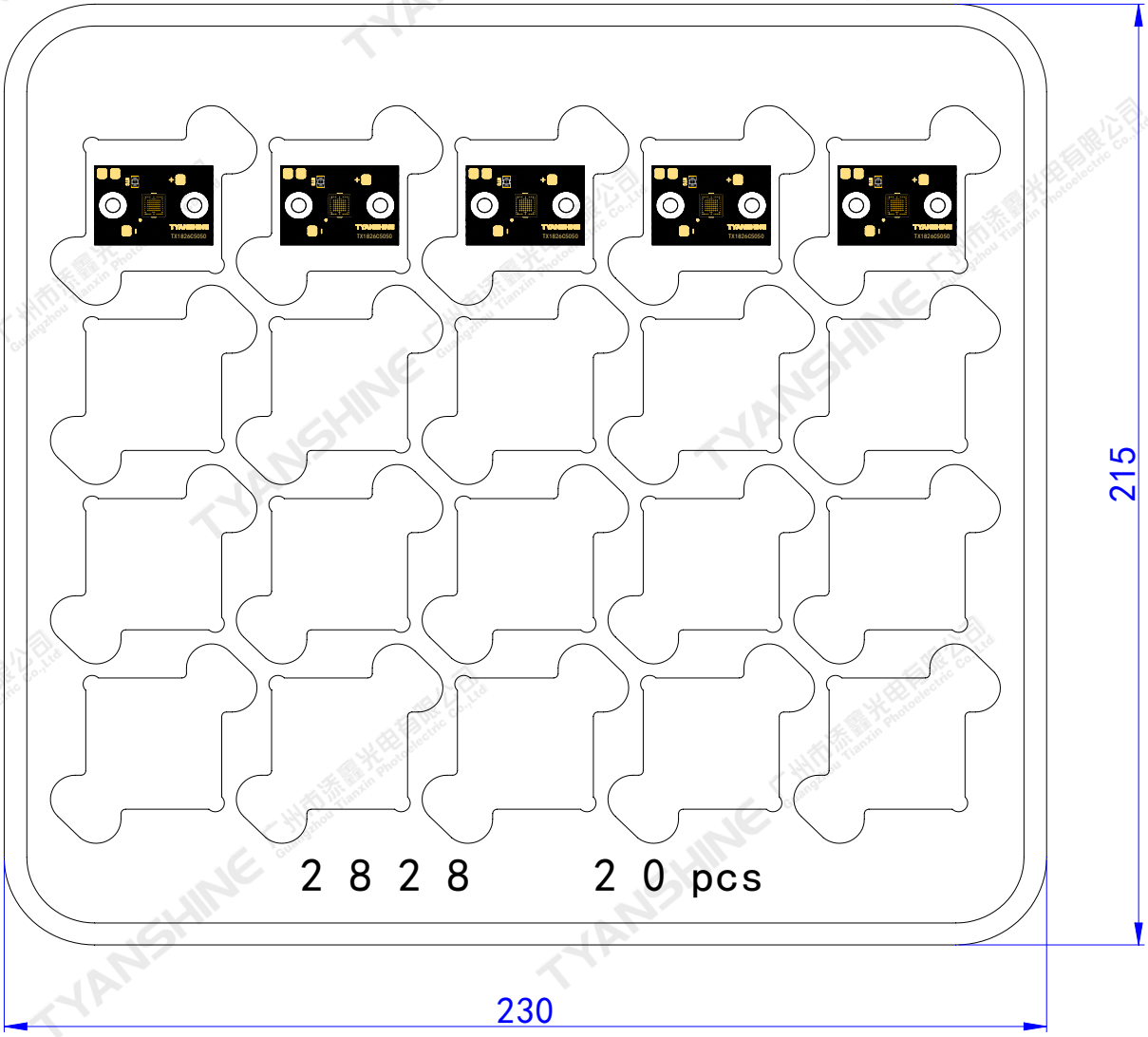


Notes:

1. 2θ 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 ± 5°.

Dimensions For Cannulation And Packaging

Quantity:20 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.

产品规格书变更履历表

版本	变更内容描述		生效日期
	变更前内容	变更后内容	
1.0	初次发行	-	