

TX-3636W160FC120-NUVENG-A01

PRODUCT SPECIFICATION

Features:

- High luminous output.
- No UV.
- Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

GaN

Emitting Color:

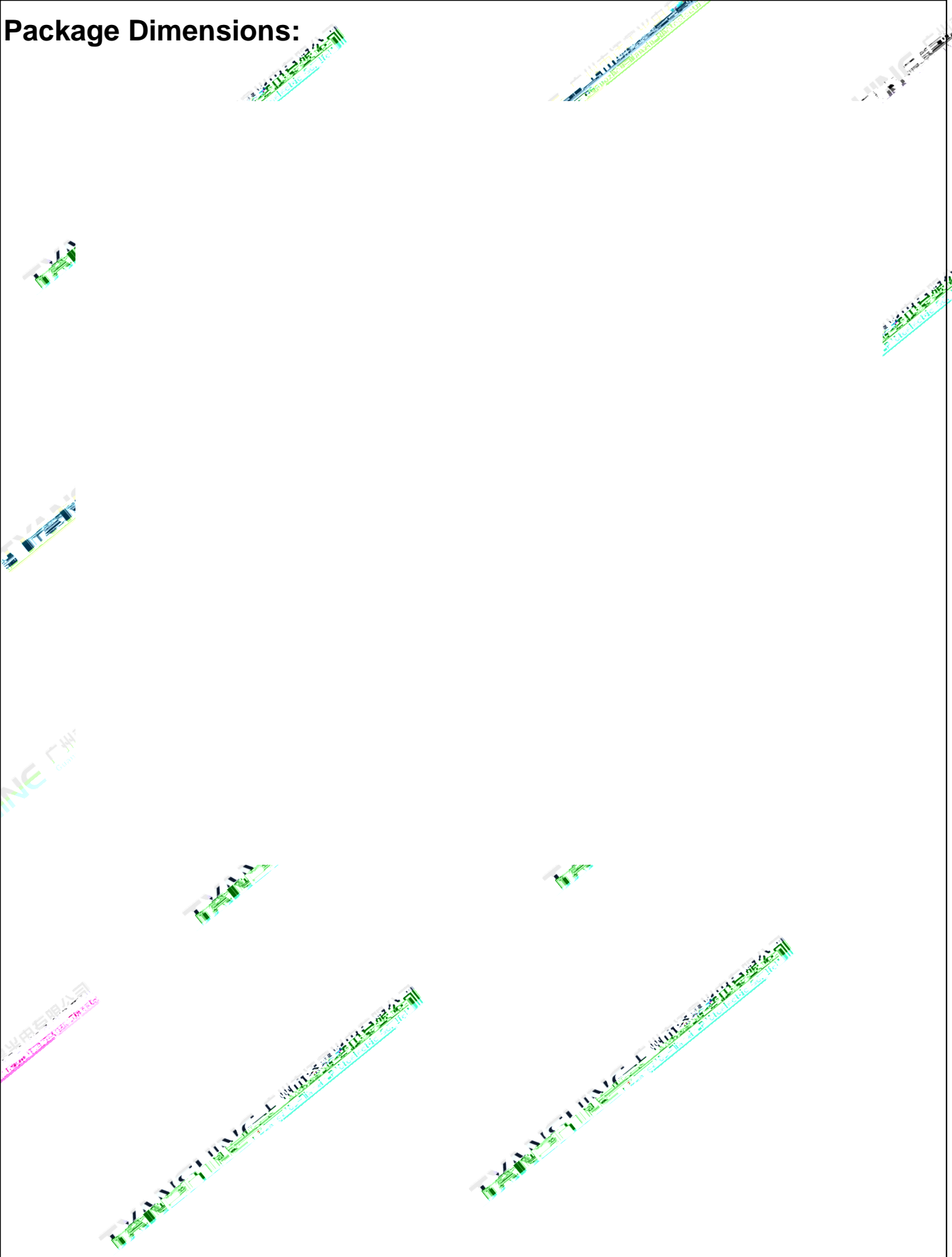
White W

Applications:

- Auxiliary lighting
- Architectural lighting

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Package Dimensions:



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Absolute Maximum Ratings (Tc=25)

| Parameter | Symbol | Ratings | Unit |
|---|-----------------|------------------------------------|------|
| Forward Current | IF | 10.5 | A |
| Reverse Voltage | VR | Not designed for reverse operation | V |
| Power Dissipation | PD | 160 | W |
| Junction Temperature | Tj | 150 | |
| Electrostatic Discharge Threshold (ESD) | ESD | 2000 | V |
| Storage Temperature | Tstg | -20~+70 | |
| Operation Temperature | T _{op} | -30~+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.

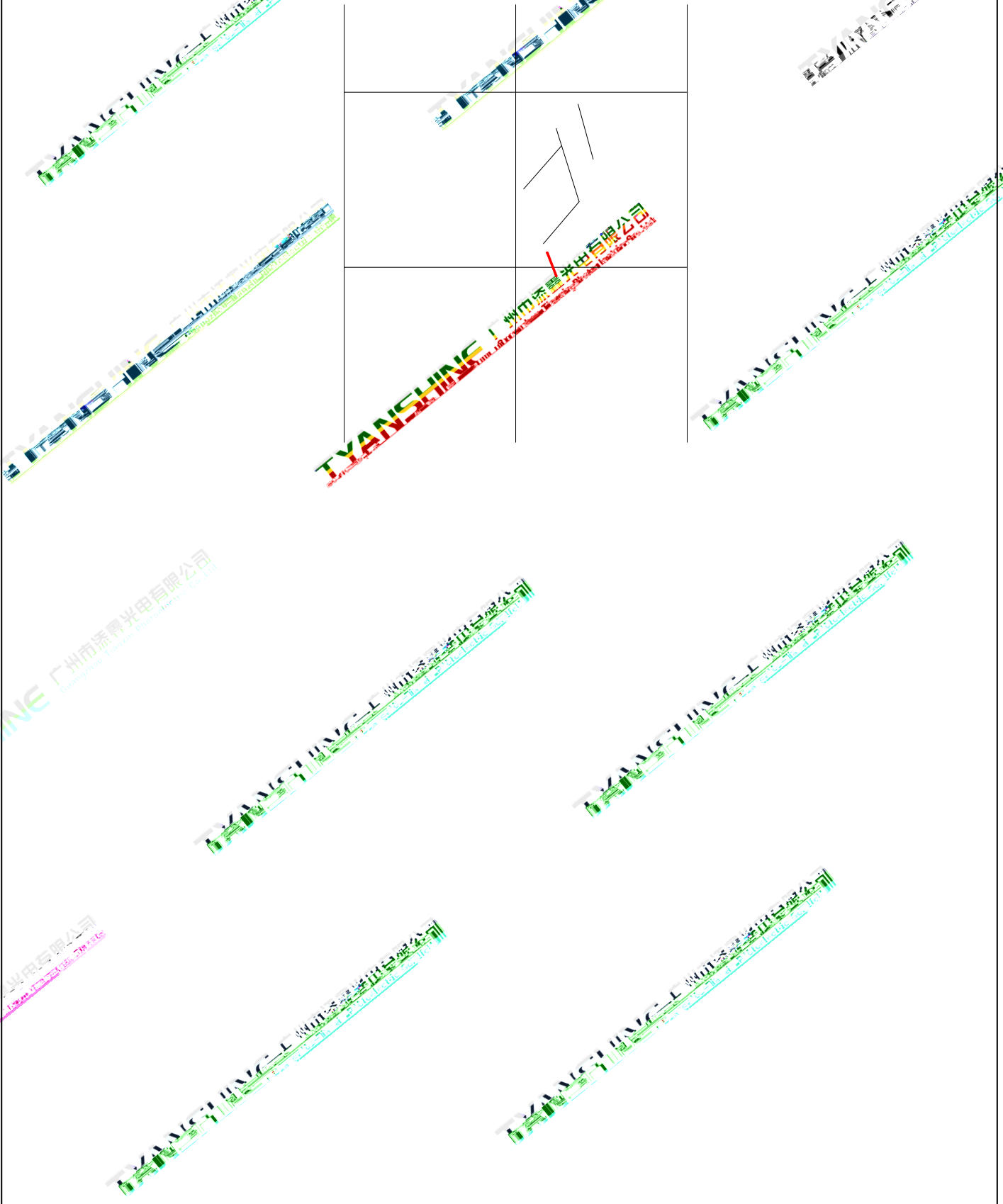
Electrical Optical Characteristics (IF=10A,Tc=25)

| Parameter | Symbol | Min. | Typ. | Max. | Units |
|------------------------------------|----------|------|-------|-------|---------|
| Luminous Flux | ν | 8000 | — | 11000 | lm |
| Correlated Colour Temperature | CCT | 7500 | — | 10000 | K |
| Forward Voltage | V_f | 13 | 15.5 | 18 | V |
| Viewing Angle at 50° IV | $2\ 1/2$ | — | 120 | — | Deg |
| Spectral Line Half-Width | | 23 | | 33 | nm |
| Reverse Current | I_R | — | — | — | μ A |
| Temperature Coefficient of Voltage | $V\ F/T$ | — | -4.67 | — | mV/ |
| Thermistor(NTC) | Rt25 | — | 10 | — | K |

Notes:

- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $1/2$ 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 (IF=10A,Tc=25)

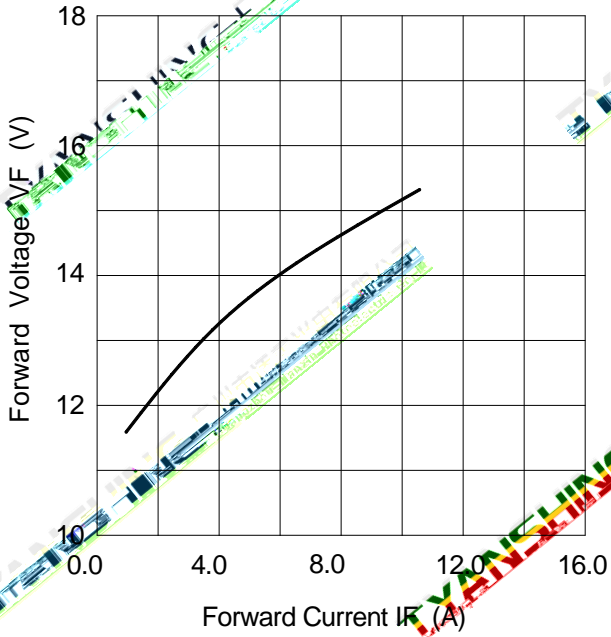


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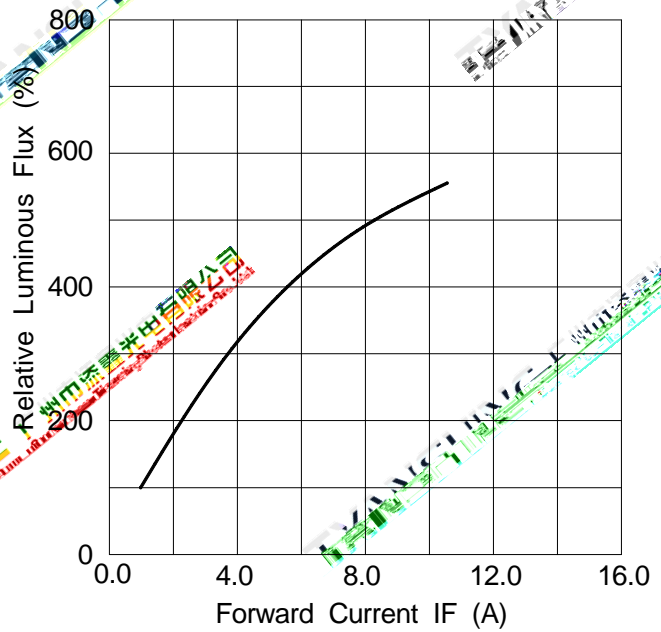
Typical Electrical/Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)

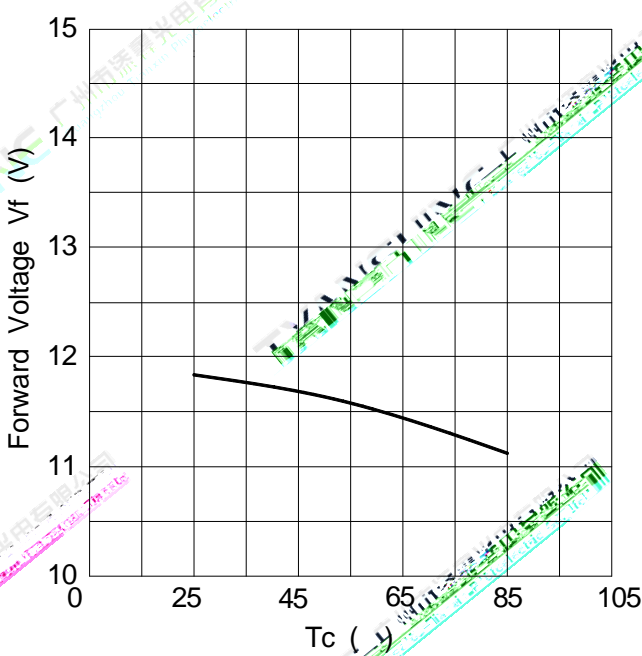
Forward Current VS. Relative Forward Voltage



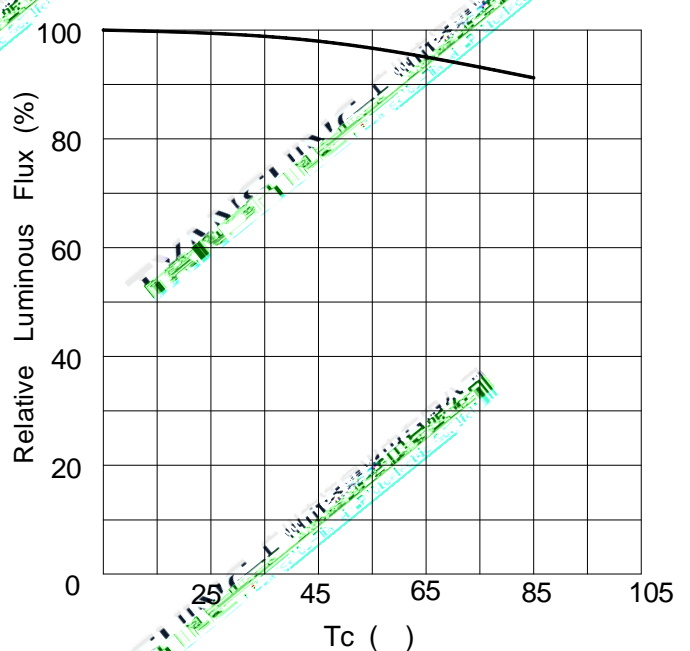
Forward Current VS. Relative Luminous Flux

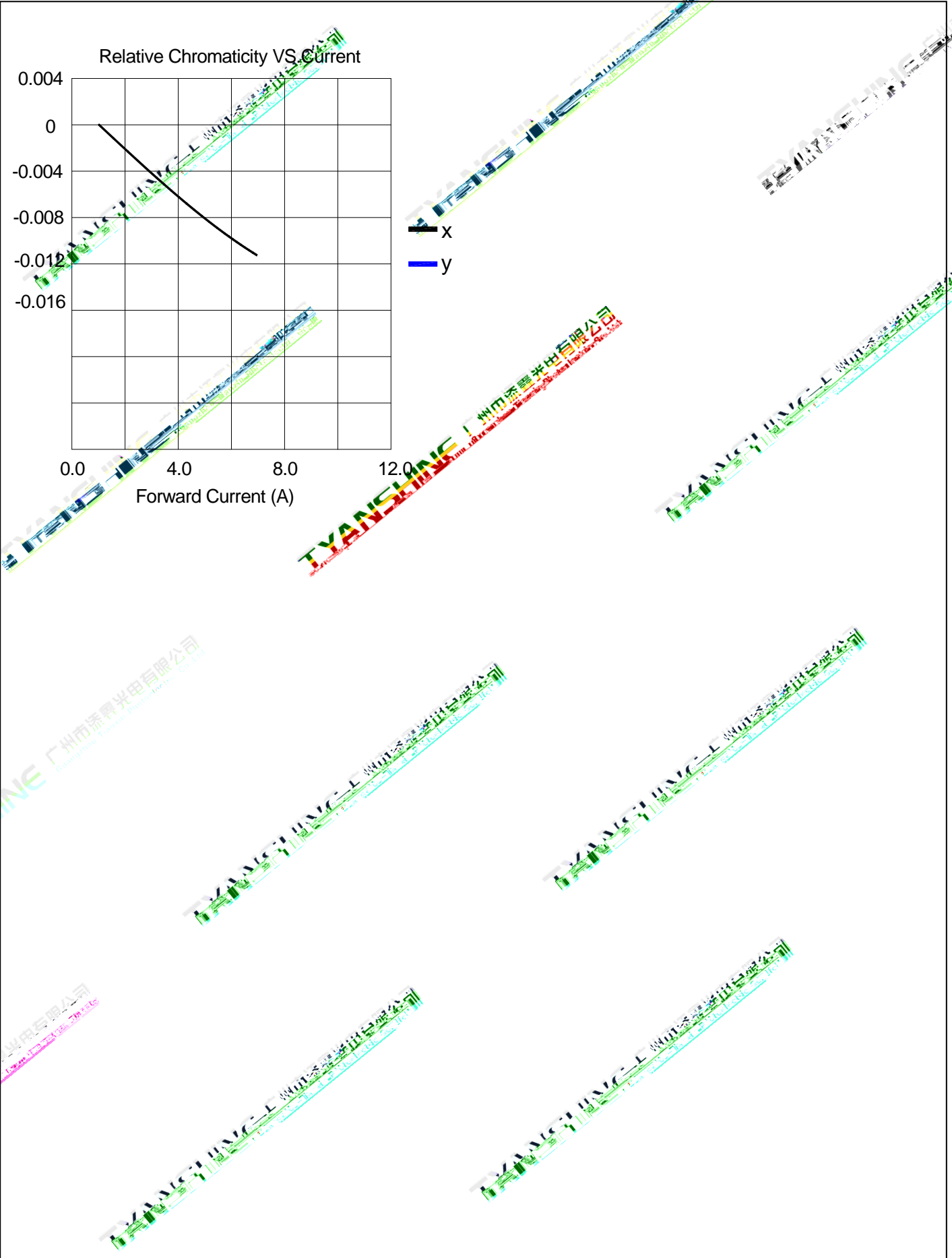


Temperature VS. Relative Luminous FLux (IF=1.0A)



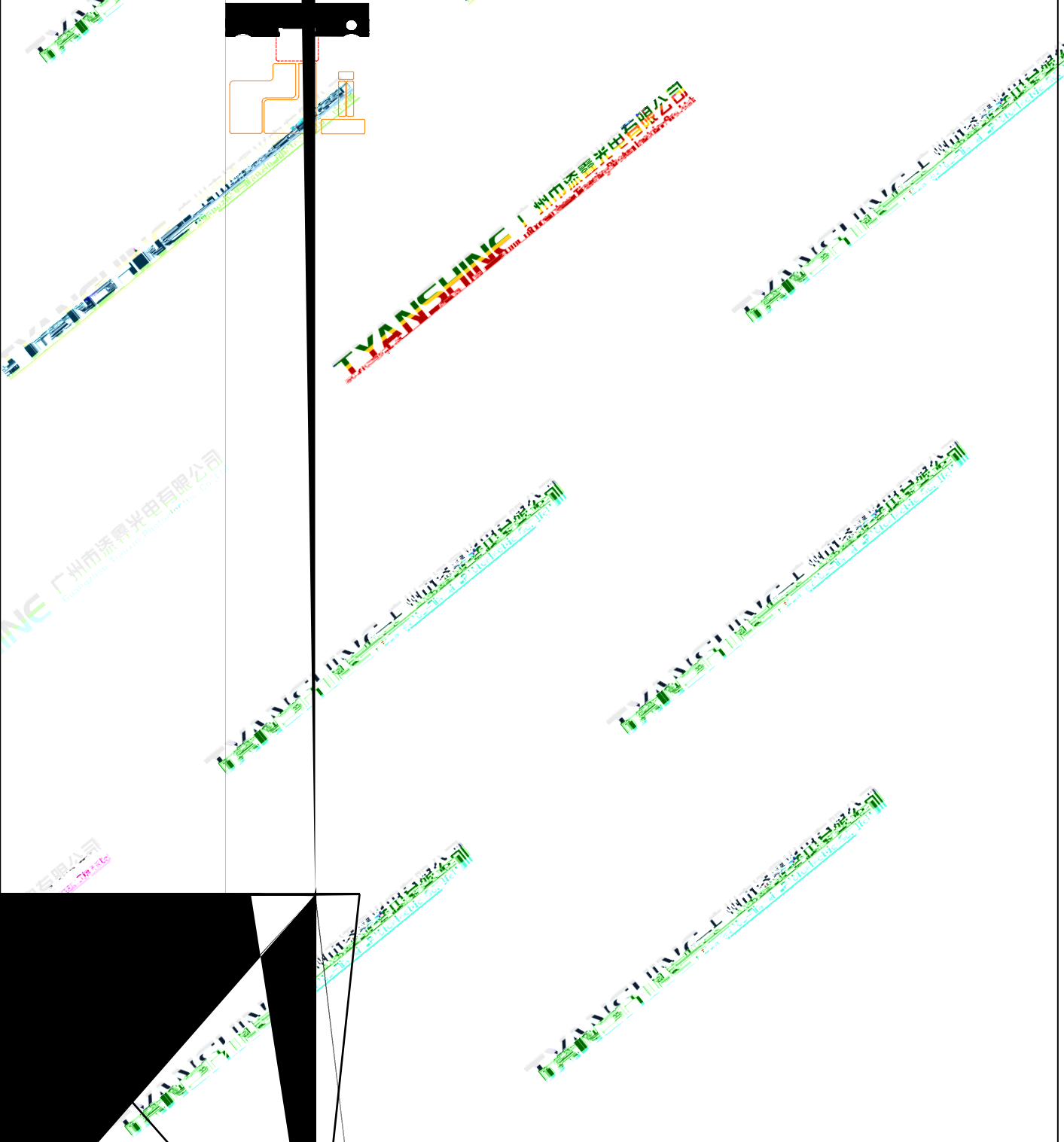
Temperature VS. Forward Voltage (IF=1.0A)





Dimensions For Calculation And Packaging

Quantity:6 PCS



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