

PRODUCT SPECIFICATION

Model No.: FYLP-100W-UWWC

Features:

- High-Power Emitter LED Type
- Size (mm):40*56
- Emitting Color: Warm White
- SMT package
- RoHS Compliant



Applications:

- Decorative lighting
- Architectural lighting
- Interior automotive
- Illuminations



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD

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Zip:315051

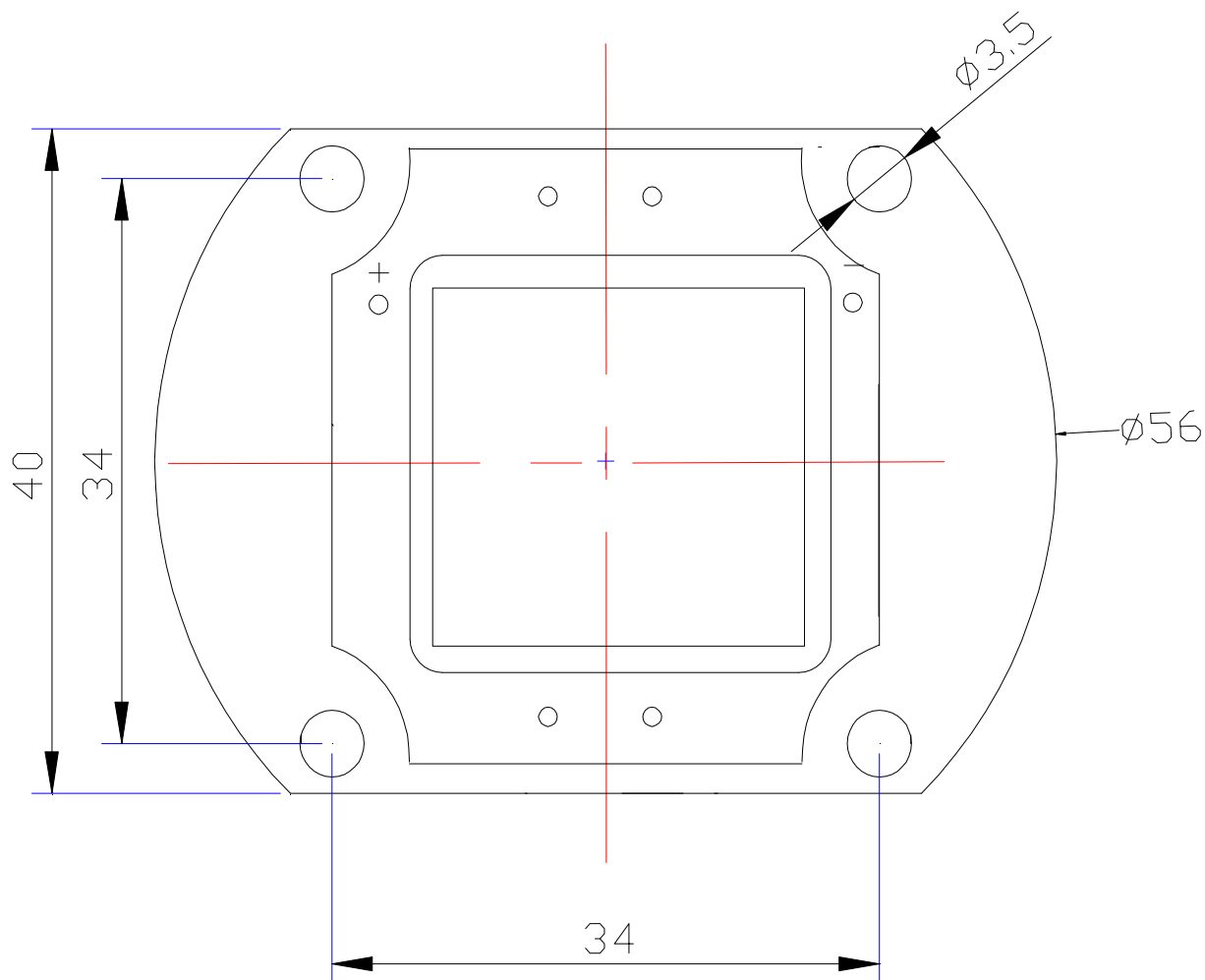
Tel: 0086-574-87933652 87927870 87922206

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[Http://www.foryard.com](http://www.foryard.com)

■ Mechanical Dimensions



1. Dimension in millimeter, tolerance is $\pm 0.2\text{mm}$.

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Model No.: FYLP-100W-UWWC
■ Absolute Maximum Ratings(Ta=25° C)

Items	Symbol	Absolute maximum Rating	Unit
Forward Current(DC)	IF	3500	mA
Peak Forward Current*	IFP	8000	mA
Power Dissipation	PD	120	W
Operation Temperature	Topr	-40° C+85° C	°C
Storage Temperature	Tstg	-40°C+100°C	°C
Reverse Voltage	VR	10	V
Soldering Temperature	Tsol	Reflow Soldering:260°C/3sec	

*Pulse width $\leq$ 1msec duty $\leq$ 1/10

■ Typical Electrical &Optical Characteristics(Ta=25°C)

Items	Symbol	Condition	Min.	Typ.	Max	Unit
Forward Voltage	VF	IF = 3500mA		32		V
Reverse Current	IR	VR = 10V			80	uA
Color Temperature	CCT	IF = 3500mA	3000		3500	K
Luminous Flux	ΦV	IF = 3500mA		4200		lm
50% Power Angle	2 $\theta_{1/2}$	IF = 3500mA	110	120	140	Deg

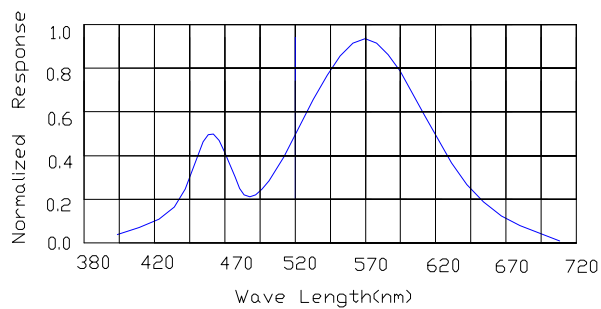
Note:

- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

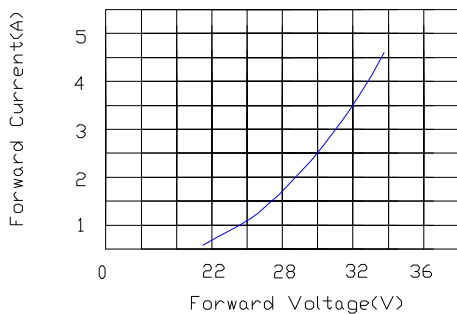
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■ **Typical Eletrical/Optical Characteristics Curves(Ta=25° C Unless Otherwise Noted)**

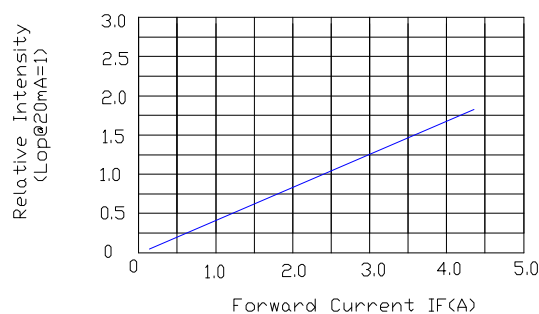
Spectral Reduance



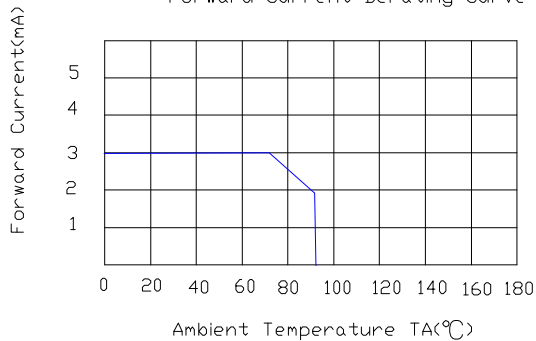
Forward Current Vs Forward Voltage



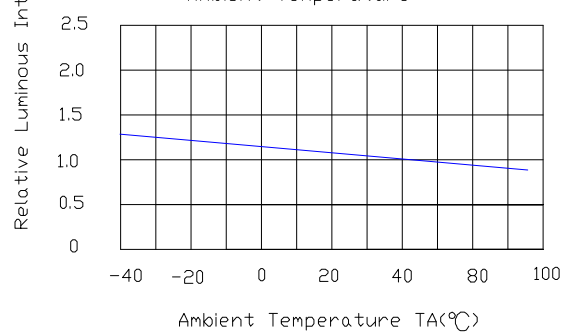
Relative Luminous intensity vs Forward current



Forward Current Derating Curve



Luminous Intensity Vs. Ambient Temperature



Radiation pattern.

