

PRODUCT SPECIFICATION

Model No.: FYLP-100W-UW60

Features:
<ul style="list-style-type: none"> ■ High Power LED ■ Size (mm):56.00*52.00*4.30 ■ Emitting Color: White. ■ Lens Type: Yellow Diffused. ■ SMT package ■ RoHS Compliant

Applications:
<ul style="list-style-type: none"> ■ General Linghting ■ Advertisement ■ Architectural Lighting ■ Street Lamps



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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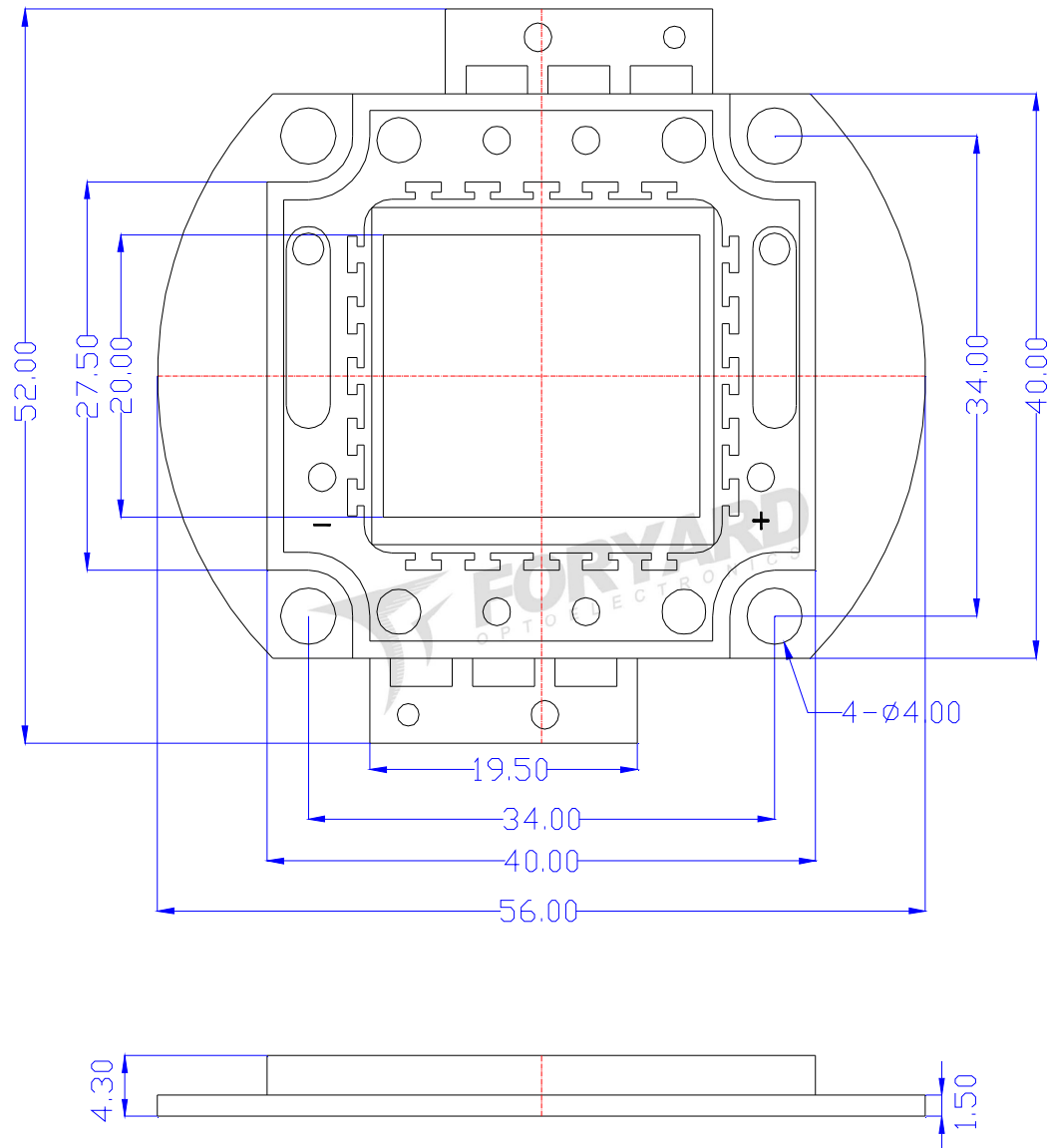
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E-mail:Sales@foryard.com (General)

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■ Mechanical Dimensions



Notes:

1. Dimension in millimeter, tolerance is ± 0.25 .
2. Angle: $\pm 5^\circ$
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.
4. The drawing is different from the actual one, please refer to the sample.

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■ Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Ratings			Unit
		Min.	Typ.	Max.	
Power Dissipation	PD	/	112	126	W
Peak Forward Current*	IFP	/	/	4000	mA
Continuous Forward Current	IF	/	/	3500	mA
Reverse Voltage	VR	/	/	5	V
ESD Sensitivity	ESD	/	/	2000V	HBM
Operating Temperature Range	Topr	-40~ +60			°C
Operating Humidity	RH	/	/	60%RH	%
Storage Temperature Range	Tstg	20~ +40			°C
Operating Humidity	RH	/	40%RH	60%RH	%
Manual Soldering Temperature	T _{SOL}	350°C± 5°C For 3Seconds			

*1/10 Duty Cycle, 0.1ms Pulse Width

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

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	IF=3500mA	30	---	34	V
Reverse Current	I _R	VR=5V	---	---	10	μA
Color temperature	CCT	IF=3500mA	5000	---	7000	K
Luminous Efficage	I _v	IF=3500mA	70	90	100	Lm/W
Temperature Coefficient of Forward Voltage	ΔVF/ΔT	IF=3500mA	---	2	---	mV/°C
Color Rendering Index	Ra	IF=3500mA	65	70	90	---
Viewing Angle	2θ _{1/2}	IF=3500mA	---	140	---	Deg

■ Material

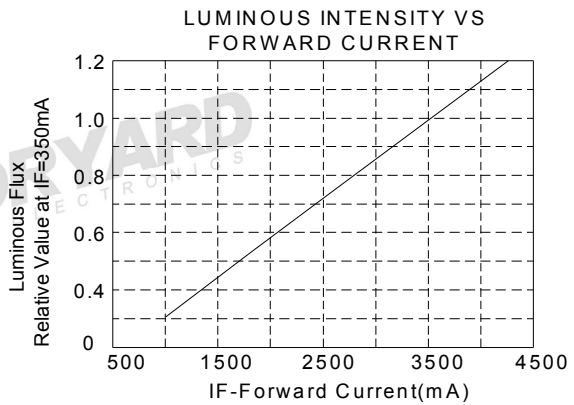
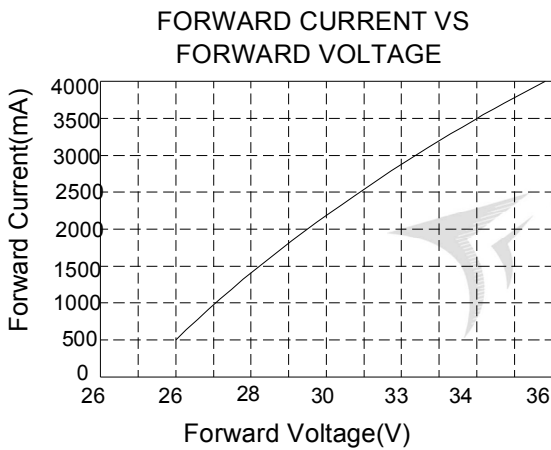
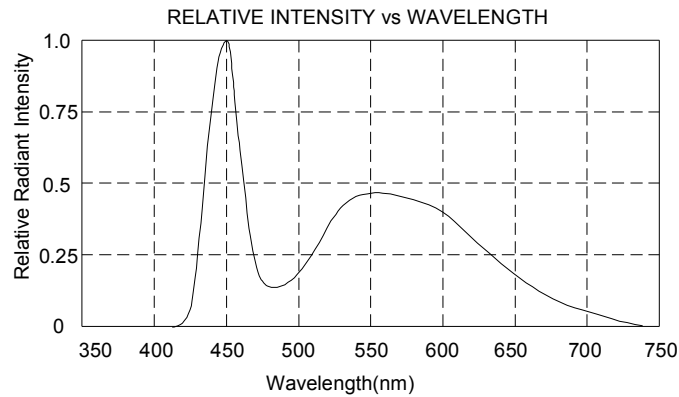
Item	Reflector	Wire	Encapsulate	Chip
Material	PPA	Gold	Silicone	InGaN/GaN

Note:

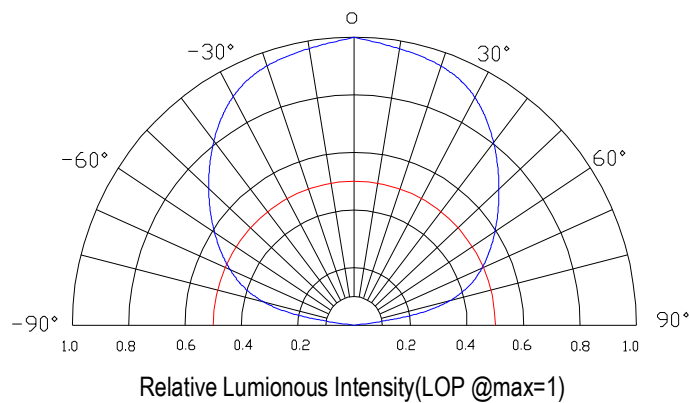
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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Electrical-Optical Characteristics-



Radiation pattern.



NOTE:25°C free air temperature unless otherwise specified