

PRODUCT SPECIFICATION

Model No.: FYLP-50W-UW40

Features:
<ul style="list-style-type: none"> ■ High Power LED ■ Size (mm): 52.00*46.00*4.30 ■ Emitting Color: White. ■ Lens Type: Yellow Diffused. ■ SMT package ■ RoHS Compliant

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



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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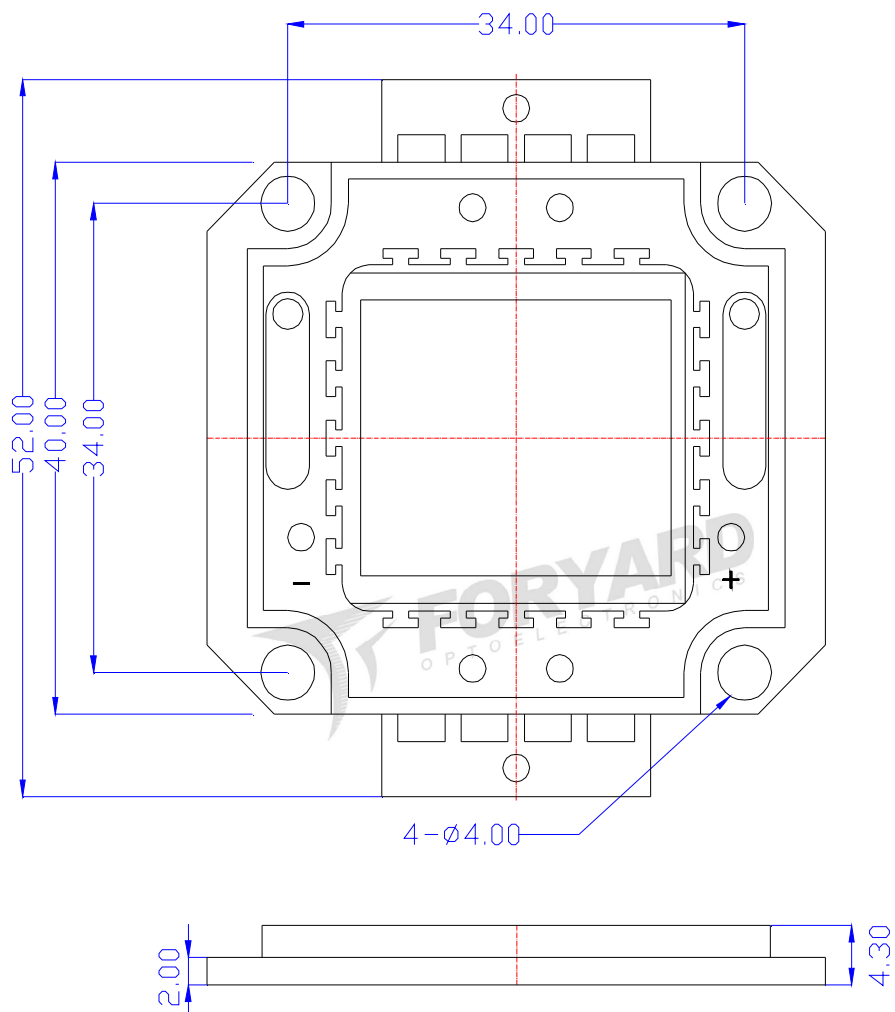
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■ Mechanical Dimensions



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 Maximun Ratings(Ta=25°C)

Parameter	Symbol	Ratings			Unit
		Min.	Typ.	Max.	
Power Dissipation	PD	/	/	50	W
Peak Forward Current*	IFP	/	/	1750	mA
Continuous Forward Current	IF	/	/	1750	mA
Reverse Voltage	VR	/	/	5	V
ESD Sensivity	ESD	/	/	2000V	HBM
Operating Temperature Range	Topr	-30~ +75			°C
Operating Humidity	RH	/	/	60%RH	%
Storage Temperature Range	Tstg	-40~ +85			°C
Operating Humidity	RH	/	40%RH	60%RH	%
Manual Solding Temperature	T _{SOL}	260°C± 5°C For 3~5Seconds			

*1/10 Duty Cycle, 0.1ms Pulse Width

Typical Electrical &Optical Charcteristics(Ta=25°C)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	IF=1750mA	30	---	34	V
Reverse Current	I _R	VR=5V	---	---	10	μA
Thermal Resistance Junction To Board	RO _{J-B}	IF=1750mA	---	10	---	---
Luminous Flux	Φ	IF=1750mA	4200	---	4300	Lm
Color temperature	CCT	IF=1750mA	4000	---	4500	K
Temperature Coefficient of Forward Voltage	ΔVF/ΔT	IF=1750mA	---	2	---	mV/°C
Viewing Angle	2θ _{1/2}	IF=1750mA	---	120	---	Deg

Material

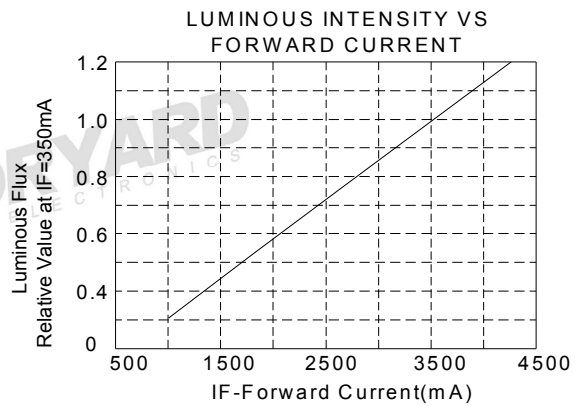
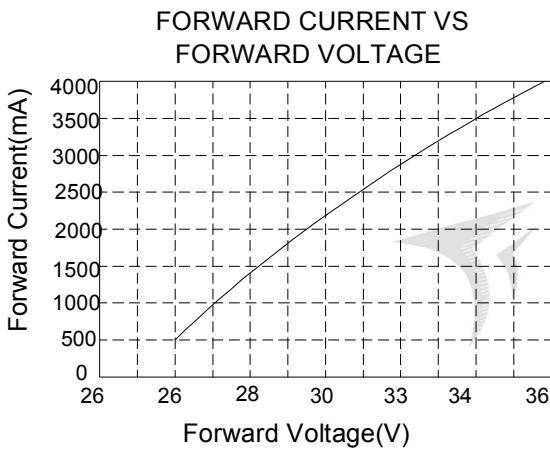
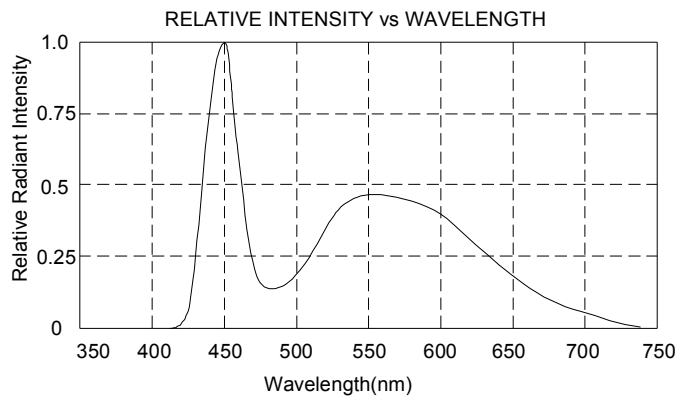
Item	Reflector	Wire	Encapsulate	Chip
Material	PPA	Gold	Silicone	InGaN/GaN

Note:

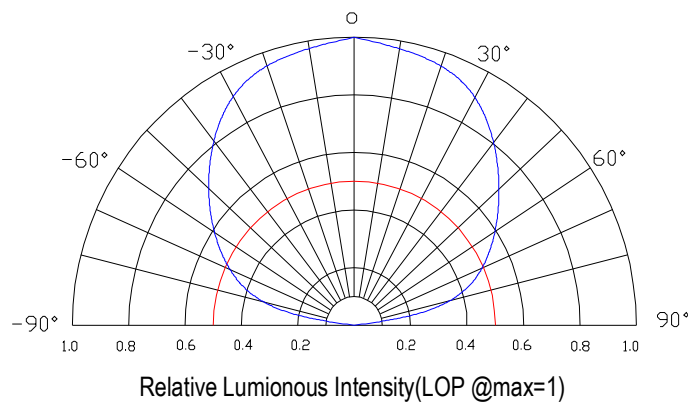
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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Electrical-Optical Characteristics-



Radiation pattern.



NOTE:25°C free air temperature unless otherwise specified