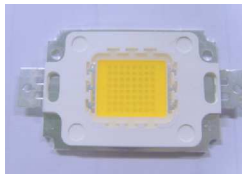


# PRODUCT SPECIFICATION

**Model No.: FYLP-30W-UWWV**

Features:	
<ul style="list-style-type: none"> <li>■ High-Power Emitter LED Type</li> <li>■ Size (mm):28*52</li> <li>■ Emitting Color:Warm White</li> <li>■ SMT package</li> <li>■ RoHS Compliant</li> </ul>	

Applications:
<ul style="list-style-type: none"> <li>■ Decorative lighting</li> <li>■ Architectural lighting</li> <li>■ Interior automotive</li> <li>■ Illuminations</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

**NINGBO FORYARD OPTOELECTRONICS CO.,LTD**

**Add:**NO.115 Qixin Road Ningbo Zhejiang China

**Zip:**315051

**Tel:** 0086-574-87933652 87927870 87922206

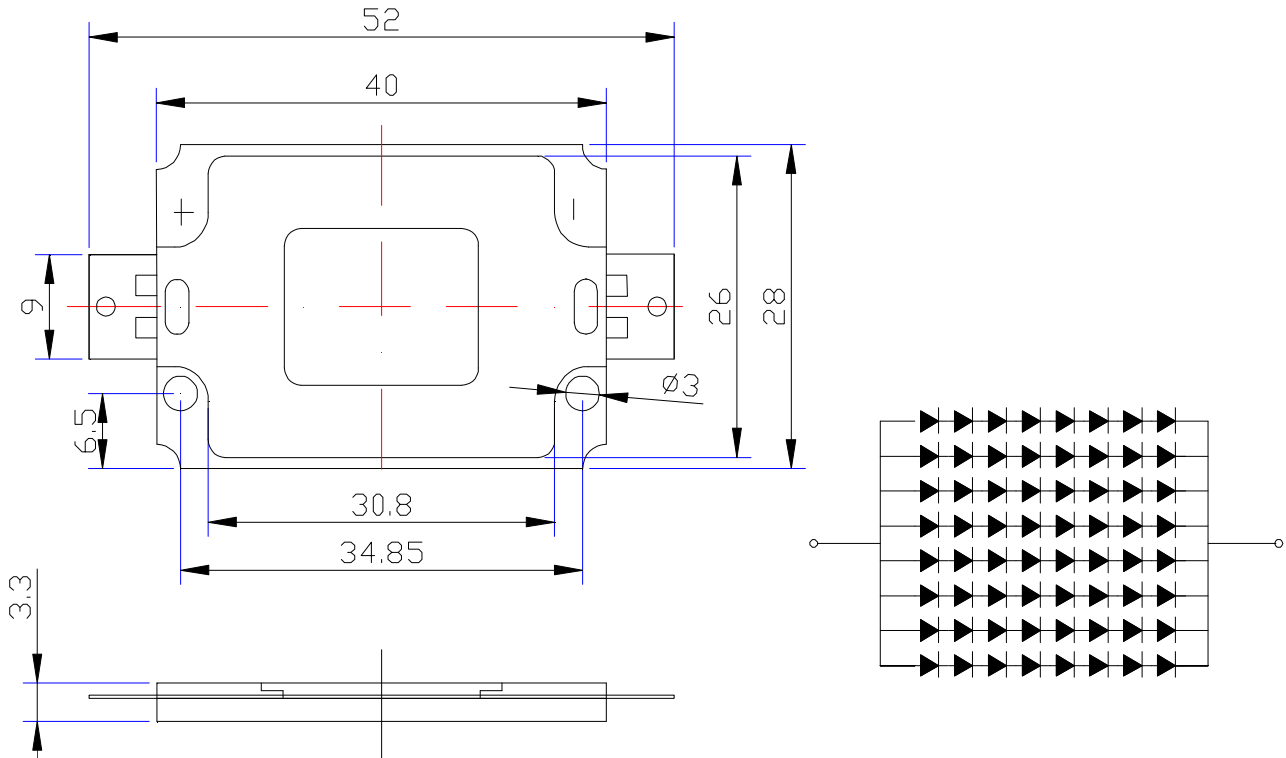
**Fax:** 0086-574-87927917

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

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

Model No.: FYLP-30W-UWWV

■ Mechanical Dimensions



Notes:

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

3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

**Model No.: FYLP-30W-UWWV**

**■ Absolute Maximum Ratings(Ta=25° C)**

Items	Symbol	Absolute maximum Rating	Unit
Forward Current(DC)	IF	1200	mA
Peak Forward Current*	IFP	2000	mA
Power Dissipation	PD	30	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 = 1200mA	24	26	30	V
Reverse Current	IR	VR = 10V			80	uA
Color Temperature	CCT	IF = 1200mA	3000		3500	K
Luminous Flux	$\Phi_V$	IF = 1200mA	1500			LM
50% Power Angle	2 $\theta_{1/2}$	IF = 1200mA	110	120	140	Deg

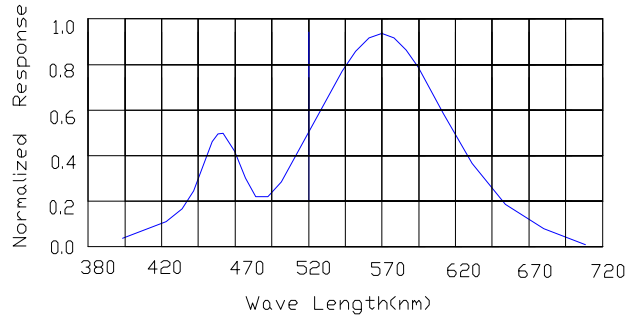
Note:

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

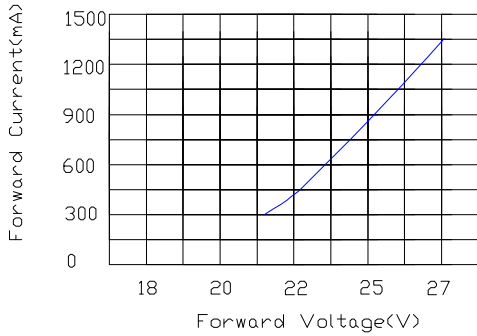
**Model No.: FYLP-30W-UWWV**

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

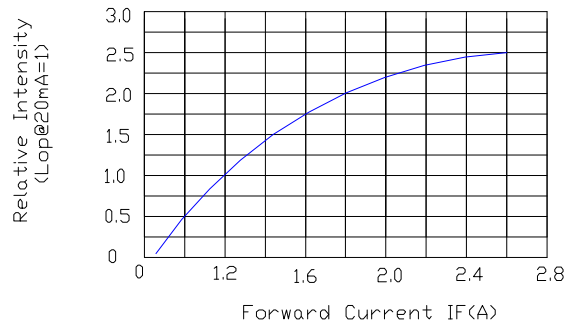
Spectral Reduance



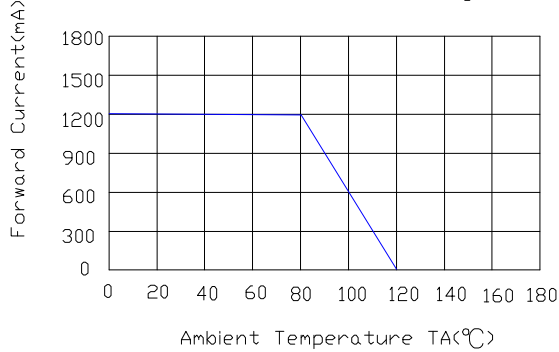
Forward Current Vs Forward Voltage



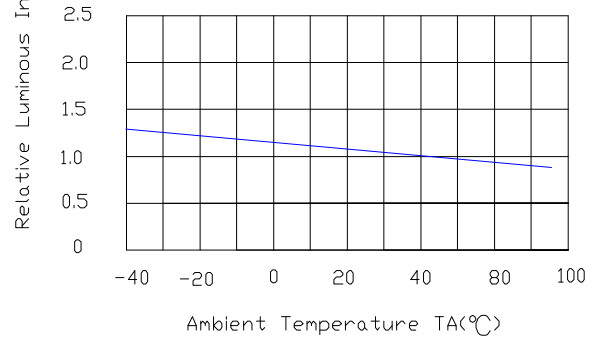
Relative Luminous intensity vs Forward current



Forward Current Derating Curve



Luminous Intensity Vs. Ambient Temperature



**Radiation pattern.**

