

# PRODUCT SPECIFICATION

**Model No.: FYLF-1150PG1C**

Descriptions:	
<ul style="list-style-type: none"> <li>■ Flux LED Type.</li> <li>■ Size (mm):<math>\Phi 3 \times 7.62 \times 7.62</math>.</li> <li>■ Emitting Color: Super Bright Pure Green.</li> <li>■ Lens Type: Water clear.</li> <li>■ Pb-free Reflow soldering application.</li> <li>■ RoHS Compliant.</li> </ul>	

Applications:
<ul style="list-style-type: none"> <li>■ Indicators.</li> <li>■ Automotive application.</li> <li>■ Decorative lighting.</li> <li>■ Illuminations</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

**NINGBO FORYARD OPTOELECTRONICS CO.,LTD.**

**Add:**No. 666 Jinghua Road, Hi-tech Park, Ningbo, Zhejiang, China

**Zip:**315103

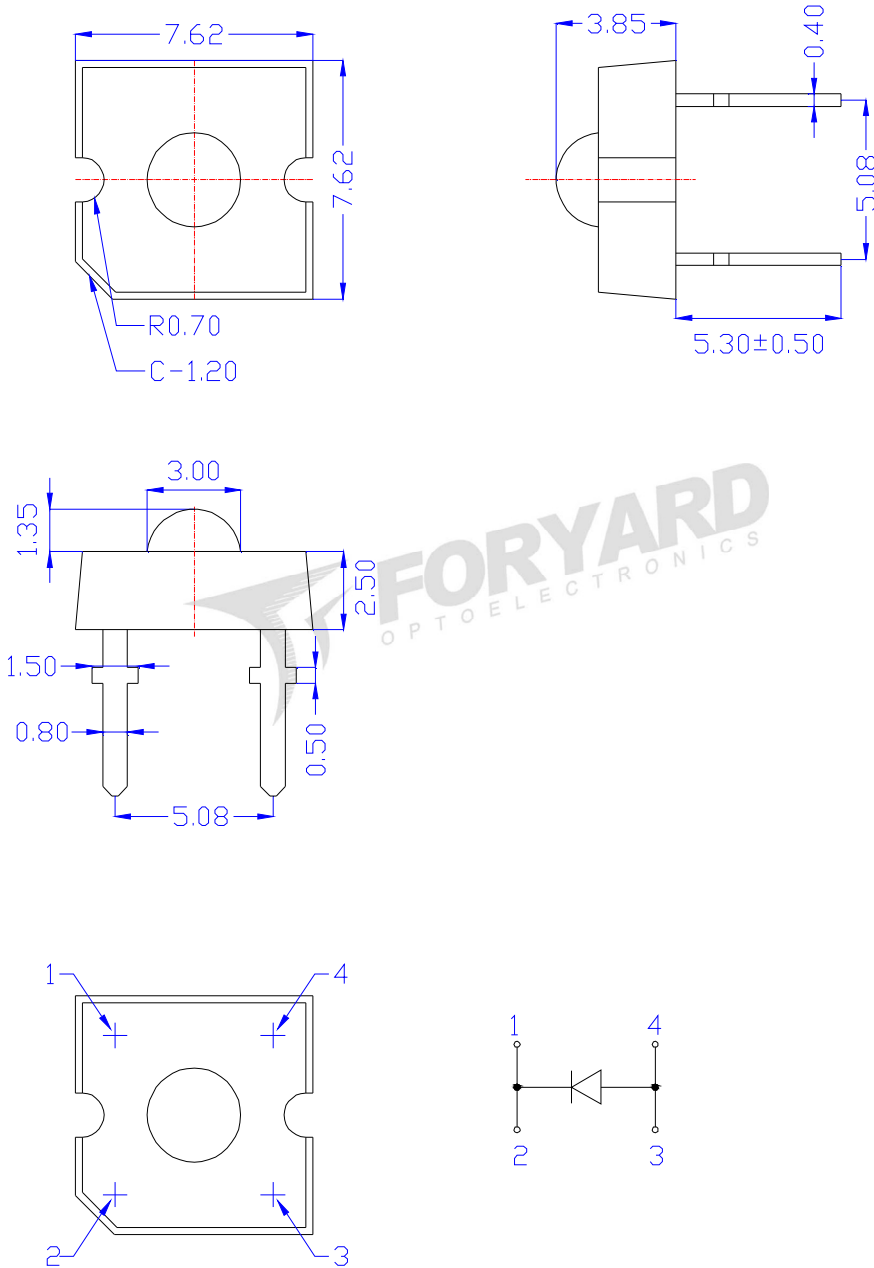
**Tel:** 0086-574-87933652 87927870

**Fax:** 0086-574-87927917

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

**Model No.: FYLF-1150PG1C**

**Mechanical Dimensions**



**Notes:**

1. All dimensions are millimeters (inches)
2. Tolerance is  $\pm 0.25\text{mm} (.010\text{'})$  unless otherwise noted.
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.

**Model No.: FYLF-1150PG1C**

**Absolute Maximum Ratings(Ta=25°C)**

Parameter	Symbol	MAX.	Unit
Forward Current(DC)	IF	30	mA
Peak Forward Current *	IFP	100	mA
Power Dissipation	PD	120	mW
Reverse Voltage	VR	5	V
Operating Temperature Range	Topr	-30°C to +85°C	
Storage Temperature Range	Tstg	-30°C to +100°C	
Soldering Temperature	Tsol	Reflow Soldering:260°C/2sec	

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

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_V$	2225	3115	6105	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	---	100	---	Deg	
Peak Emission Wavelength	$\lambda_p$	---	520	--	nm	
Dominant Wavelength	$\lambda_d$	521	524	530	nm	
Spectral Line Half-Width	$\Delta\lambda$	---	36	--	nm	
Forward Voltage	$V_F$	2.60	3.00	3.40	V	VR=5V
Reverse Current	$I_R$	---	---	10	$\mu$ A	

**Material**

Item	Reflector	Wire	Encapsulate	Chip
Material	Iron	Gold	Epoxy	InGaN

Note:

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

**Luminous Intensity Guide (Unit: mcd) @IF=20mA**

Code	L19	L20	L21
Luminous Intensity(mcd)	2225~3115	3115~4360	4360~6105

Tolerance of measurement of luminous intensity is  $\pm$ 15%

**Dominate Wavelength Guide (Unit: nm) @IF=20mA**

Code	G3	G4	G5
Dominate Wavelength(nm)	521~524	524~527	527~530

Tolerance for each Dominate Wavelength bin is  $\pm$ 1nm

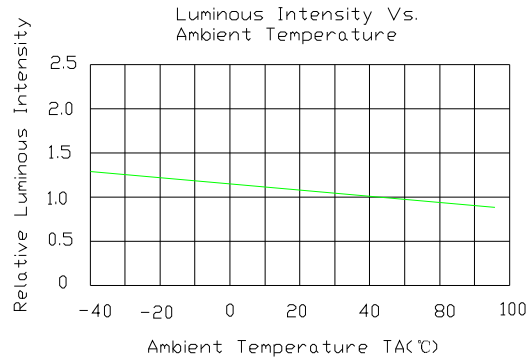
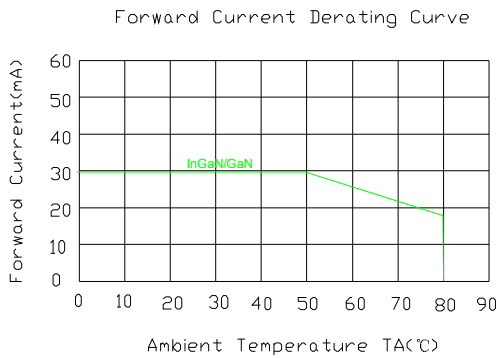
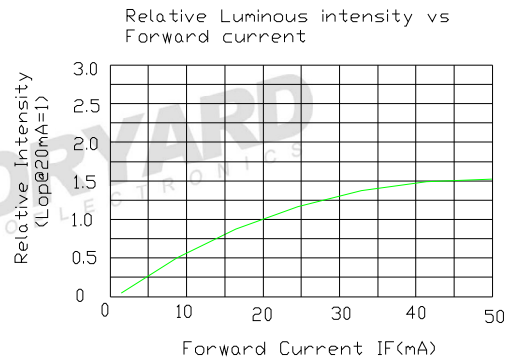
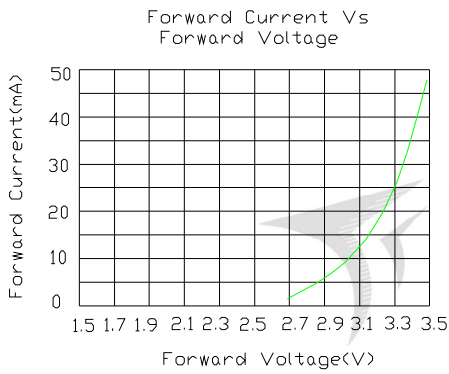
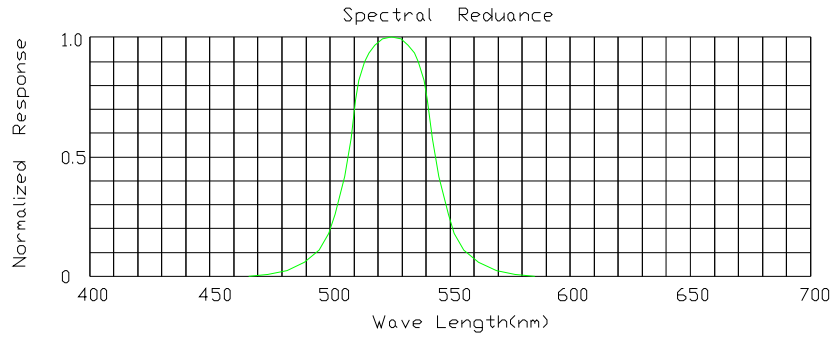
**Forward Voltage Guide (Unit: V) @IF=20mA**

Code	V7	V8	V9	V10
Forward Voltage(V)	2.6~2.8	2.8~3.0	3.0~3.2	3.2~3.4

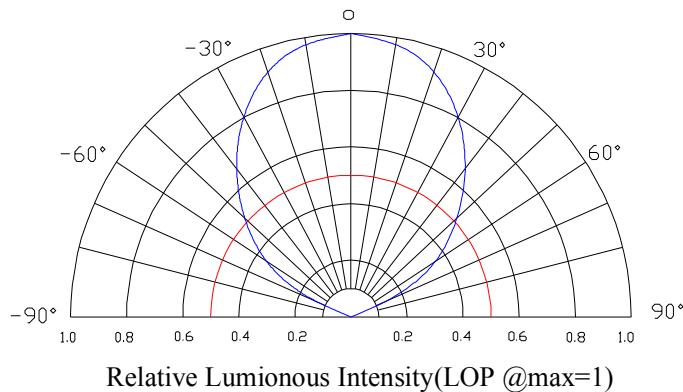
Tolerance of measurement of forward voltage is  $\pm$ 0.1V

**Model No.: FYLF-1150PG1C**

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

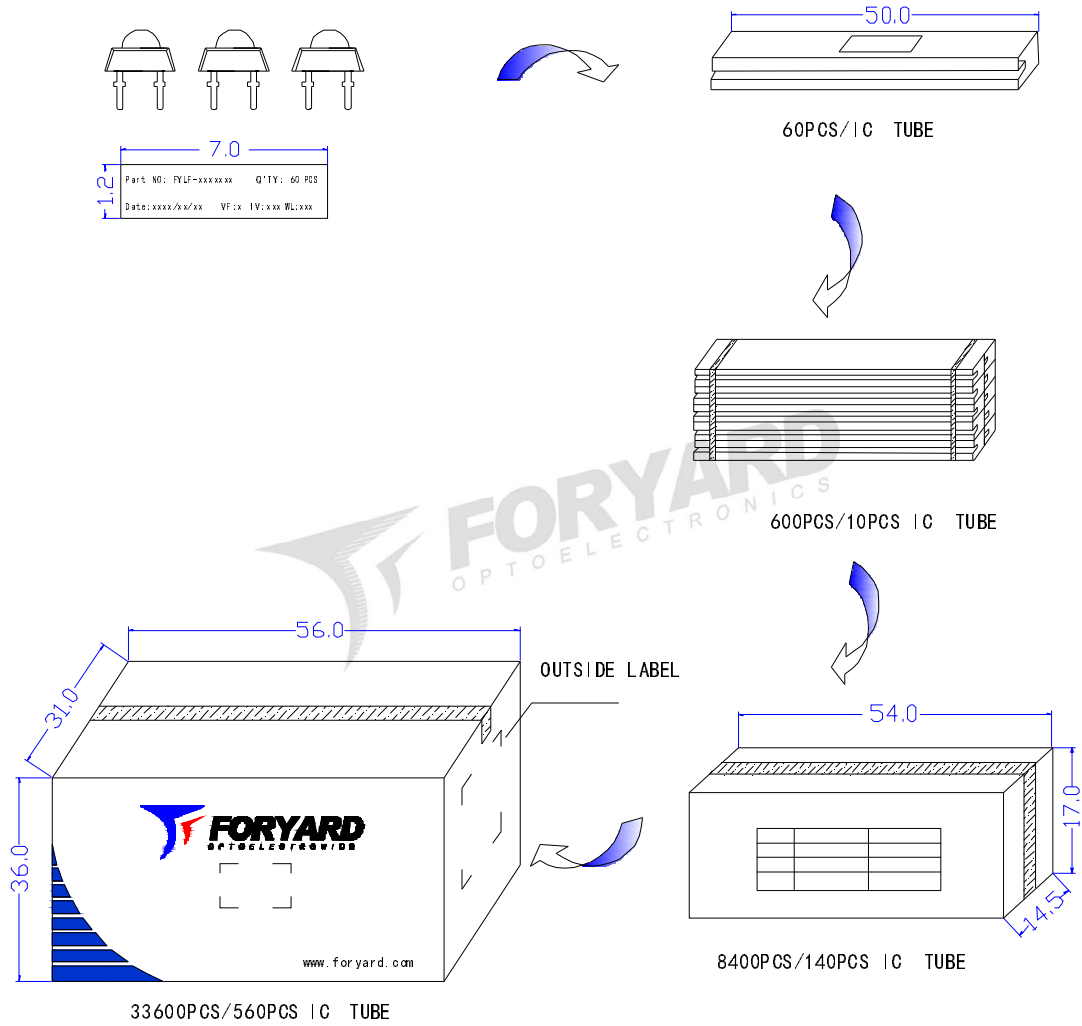


**Radiation pattern**



Model No.: FYLF-1150PG1C

■ LAMP PACKING.



OUTSIDE LABEL

Note: The specifications are subject to change without notice. Please contact us for updated information.