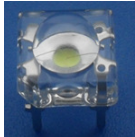




PRODUCT SPECIFICATION

Model No.: FYLF-1130RGBC

Descriptions:	
<ul style="list-style-type: none"> ■ Flux LED Type. ■ Size (mm):Φ5*7.62*7.62. ■ Emitting Color: Ultra Red/Purea Green/Ultra Blue. ■ Lens Type: Water clear. ■ Pb-free Reflow soldering application. ■ RoHS Compliant. 	

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



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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Zip:315103

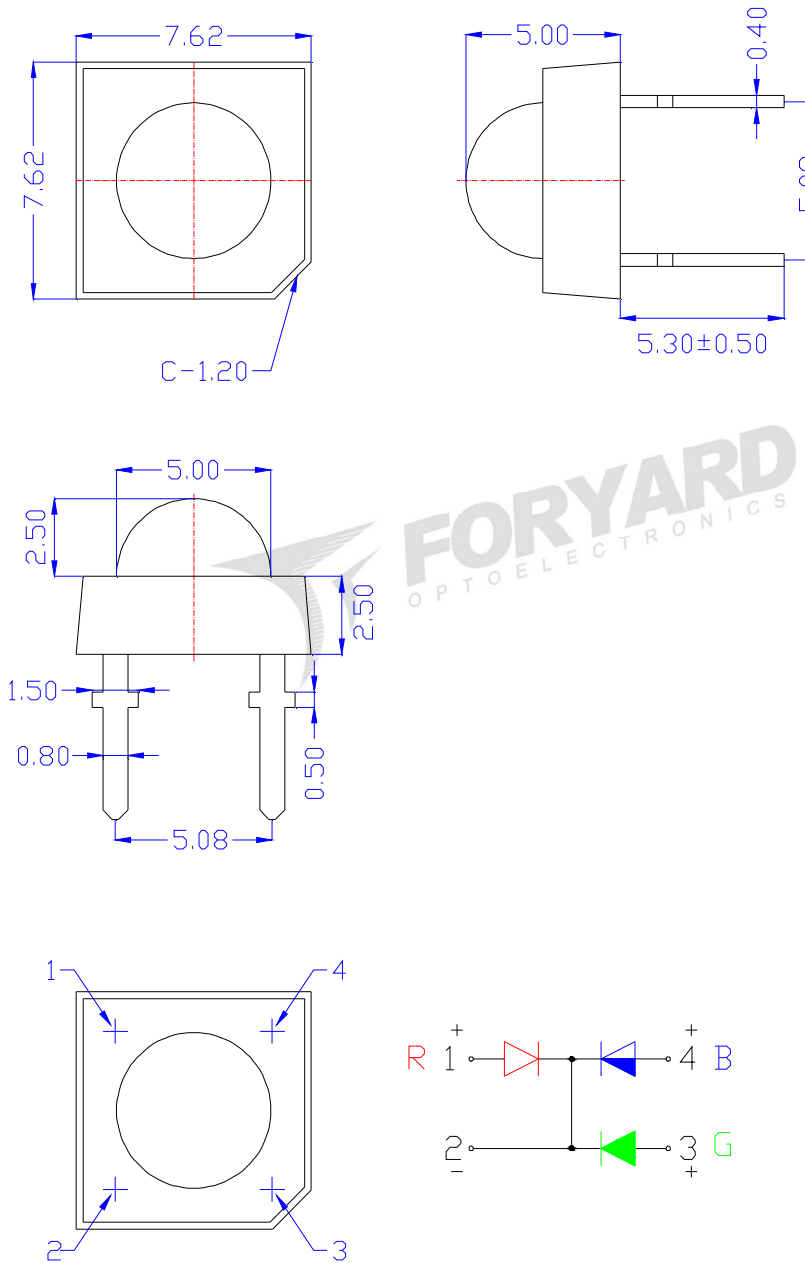
Tel: 0086-574-87933652 87922206 87927870

Fax: 0086-574-87927917

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

Model No.: FYLF-1130RGBC

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-1130RGBC

■ Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	MAX.			Unit
		R	G	B	
Forward Current(DC)	IF	30	30	30	mA
Peak Forward Current *	IFP	100	100	100	mA
Power Dissipation	PD	75	100	100	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/3sec			

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

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

Parameter	Color	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	R	I_v	---	1135	---	mcd	IF=20mA
	G		---	4360	---		
	B		---	600	---		
Viewing Angle		$2\theta_{1/2}$	---	90	---	Deg	IF=20mA
Peak Emission Wavelength	R	λ_p	---	630	--	nm	IF=20mA
	G		---	520	--		
	B		---	470	--		
Dominant Wavelength	R	λ_d	620	625	630	nm	IF=20mA
	G		521	524	530		
	B		465	470	475		
Spectral Line Half-Width	R	$\Delta\lambda$	---	20	--	nm	IF=20mA
	G		---	36	--		
	B		---	30	--		
Forward Voltage	R	V_F	1.60	2.00	2.40	V	IF=20mA
	G		2.60	3.00	3.40		
	B		2.60	3.00	3.40		
Reverse Current		I_R	---	---	10	μ A	VR=5V

■ Material

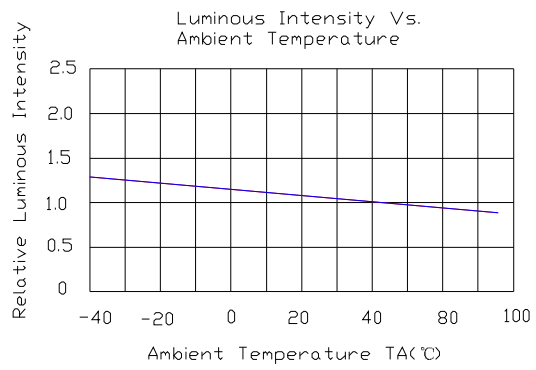
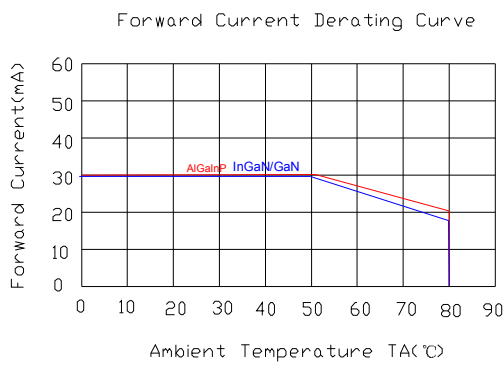
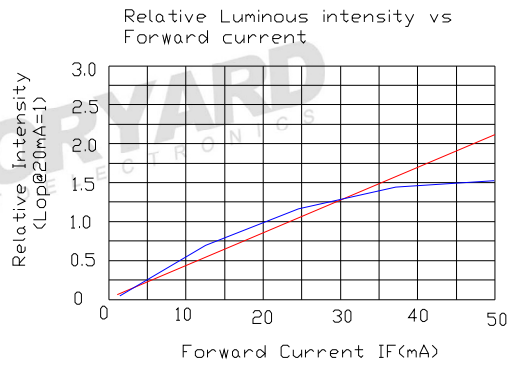
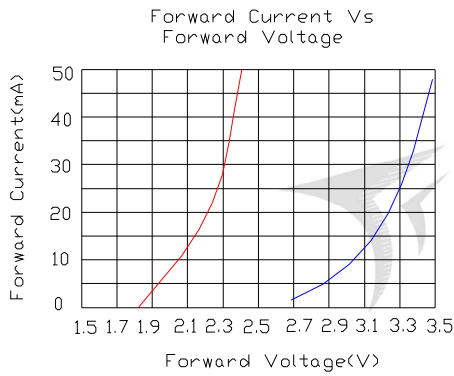
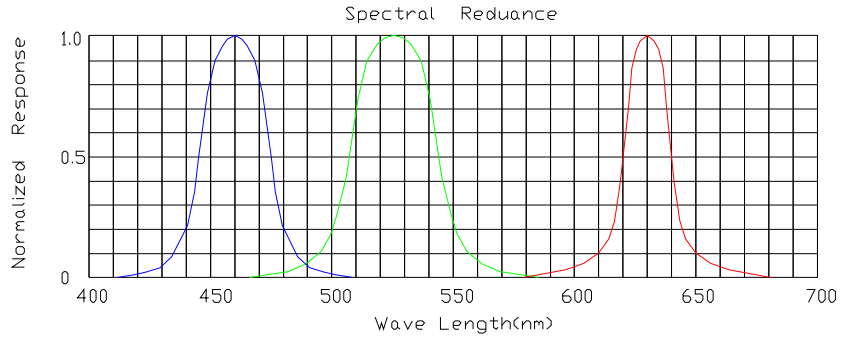
Item	Color	Reflector	Wire	Encapsulate	Chip
Material	R	Copper	Gold	Epoxy	AlGaInP
	G	Copper	Gold	Epoxy	InGaN/GaN
	B	Copper	Gold	Epoxy	InGaN/GaN

Note:

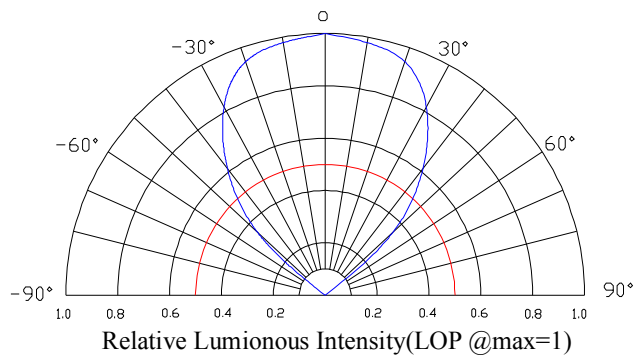
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

Model No.: FYLF-1130RGBC

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



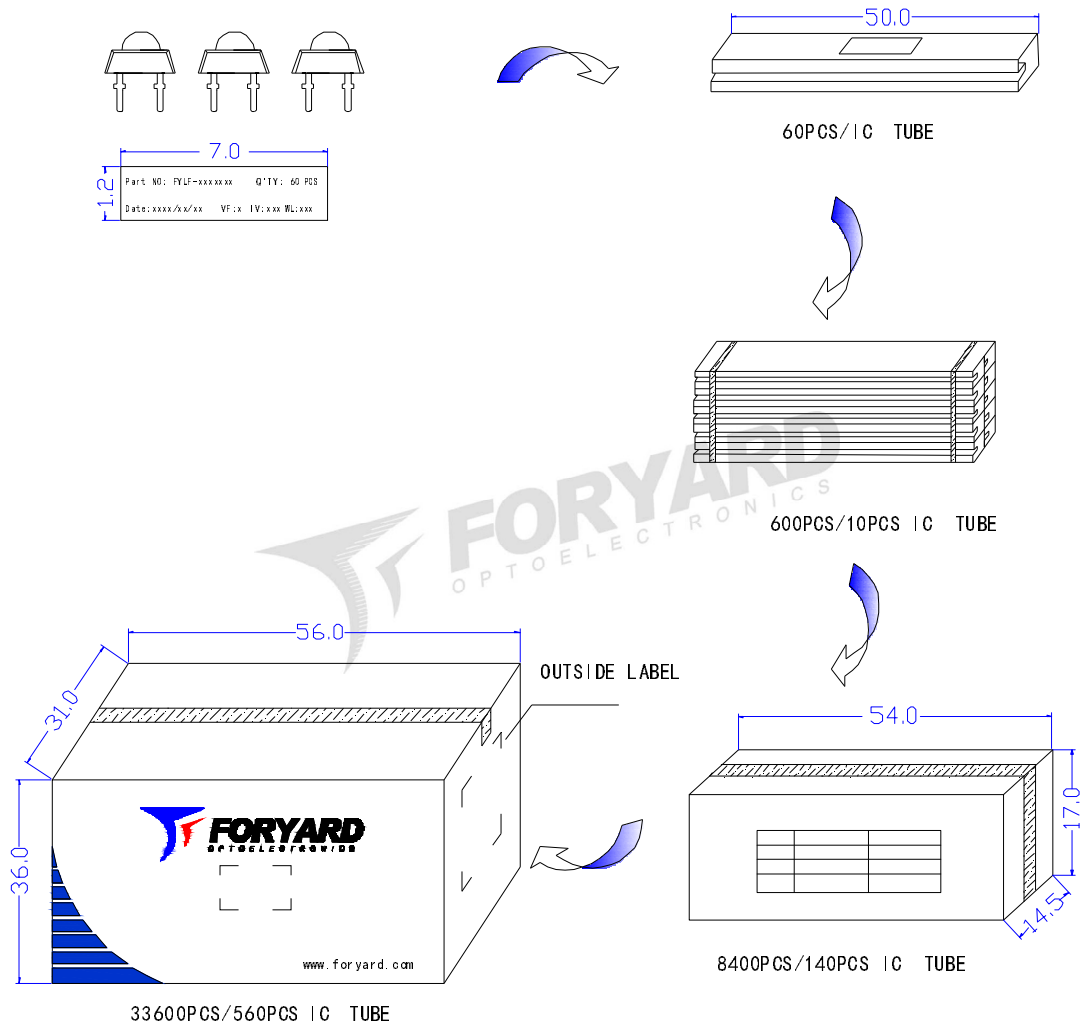
Radiation pattern



Model No.	FYLF-1130RGBC
Date / Rev.	2021.02.06 / A

Model No.: FYLF-1130RGBC

■ LAMP PACKING.





LED
 PN: FYLF-xxxxxxx-xx
 Qty: 33600 PCS
 Date: xxxx/xx/xx
 GW: xx KG QC: PASS
 NW: xx KG



XXXXXXXXXX




OUTSIDE LABEL

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