



PRODUCT SPECIFICATION

Model No.: FYL-5019RGBC1C-CC

Descriptions:
<ul style="list-style-type: none"> ■ Dice material: AlGaInP/InGaN/InGaN ■ Emitting Color: Red/Green/Blue. ■ Device Outline: 5mm Round type. ■ Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

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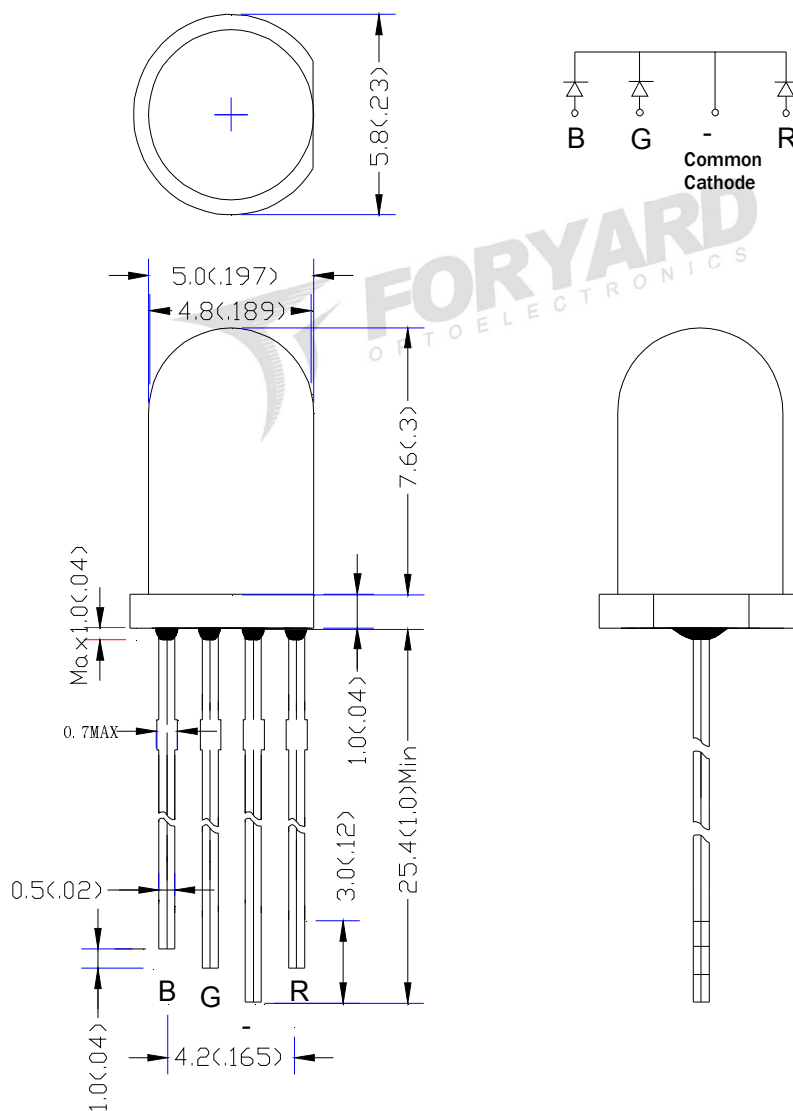
[Http://www.foryard.com](http://www.foryard.com)

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■ **Features**

1. Low power consumptic
2. High efficiency.
3. General purpose leads.
4. High intensity.
5. RoHs compliant.

■ **Package configuration**



Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is $\pm 0.25\text{mm}$ (.010") unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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■ Absolute Maximum Ratings(Ta=25° C)

Items	Symbol	Absolute maximum Rating			Unit
		R	G	B	
Forward Current(DC)	IF	50	30	30	mA
Peak Forward Current*	IFP	100	100	100	mA
Power Dissipation	PD	100	100	100	Mw
Operation Temperature	Topr	-40° C~+85° C			°C
Storage Temperature	Tstg	-40°C~+100°C			°C
Reverse Voltage	VR	5			V
Soldering Temperature	Tsol	Reflow Soldering:250°C/5sec			

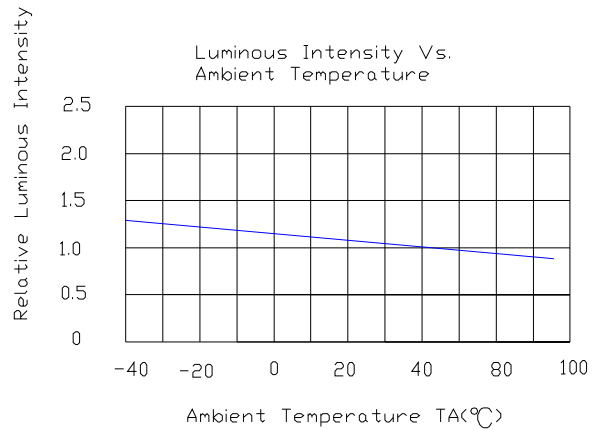
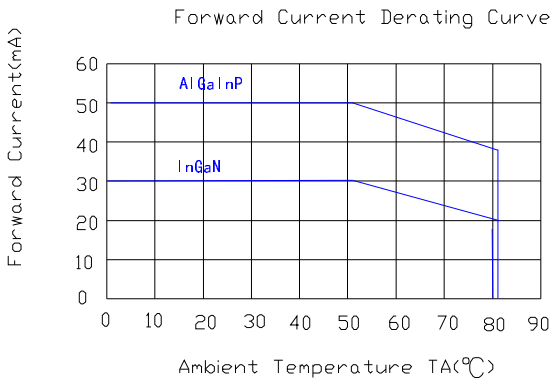
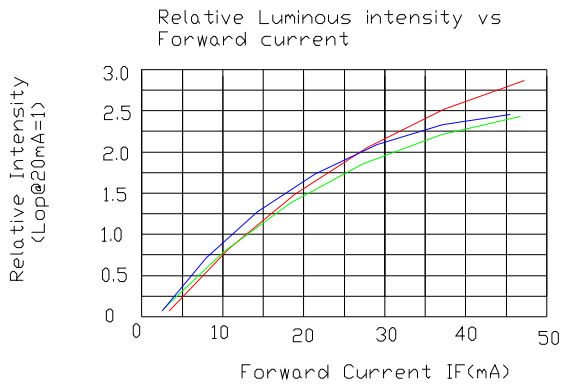
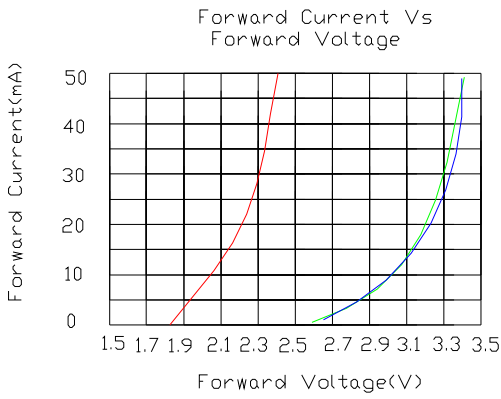
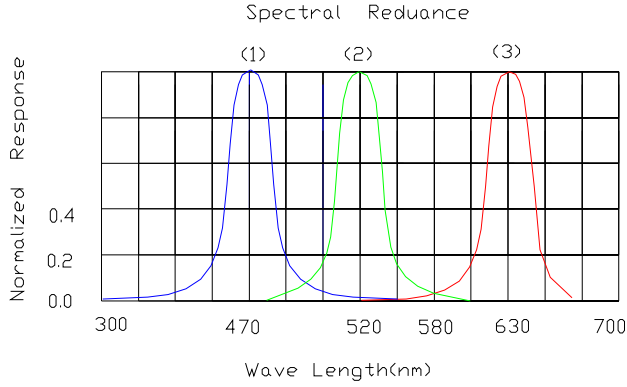
*Pulse width \leq 1msec duty \leq 1/10

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

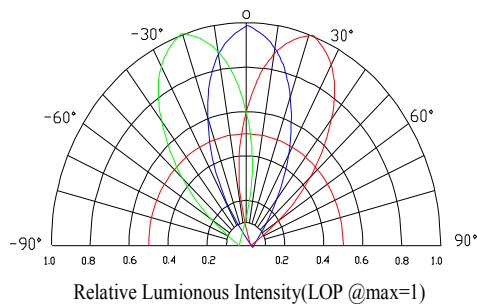
Items	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	VF	R	1.9	2.00	2.40	V
		G	2.9	3.20	3.60	
		B	2.8	3.20	3.60	
Reverse Current	IR	VR = 5V	---	---	5	uA
Peak Emission Wavelength	λ_p	R	628	630	---	nm
		G	520	525	---	
		B	467	468	---	
Dominant Wavelength	λ_D	R	---	625	---	nm
		G	---	520	---	
		B	---	470	---	
Luminous Intensity	IV	R	800	1000	---	mcd
		G	5000	6000	---	
		B	800	1000	---	
50% Power Angle	2 θ $\frac{1}{2}$	IF = 20mA	40	45	---	Deg

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

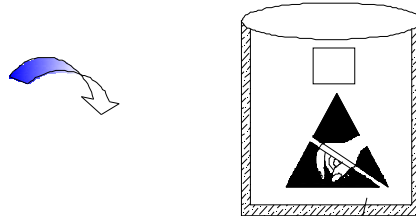
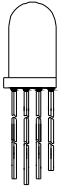


Radiation pattern.

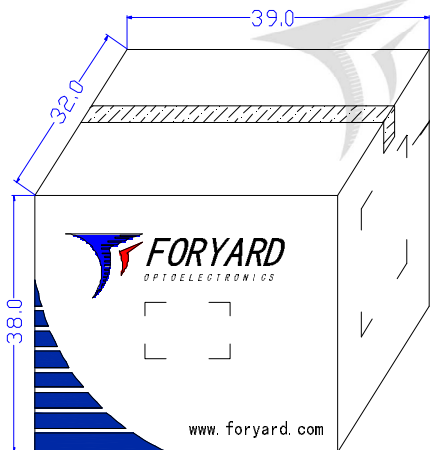
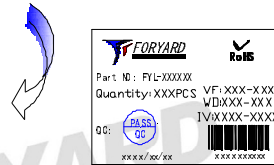


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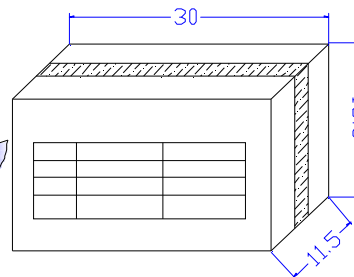
■ LAMP PACKING.



500PCS/Polybag



OUTSIDE LABEL



6000PCS/Box

36000PCS/Carton



OUTSIDE LABEL