



PRODUCT SPECIFICATION

Model No.: FYL-5019LRGBW1C-CA

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



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

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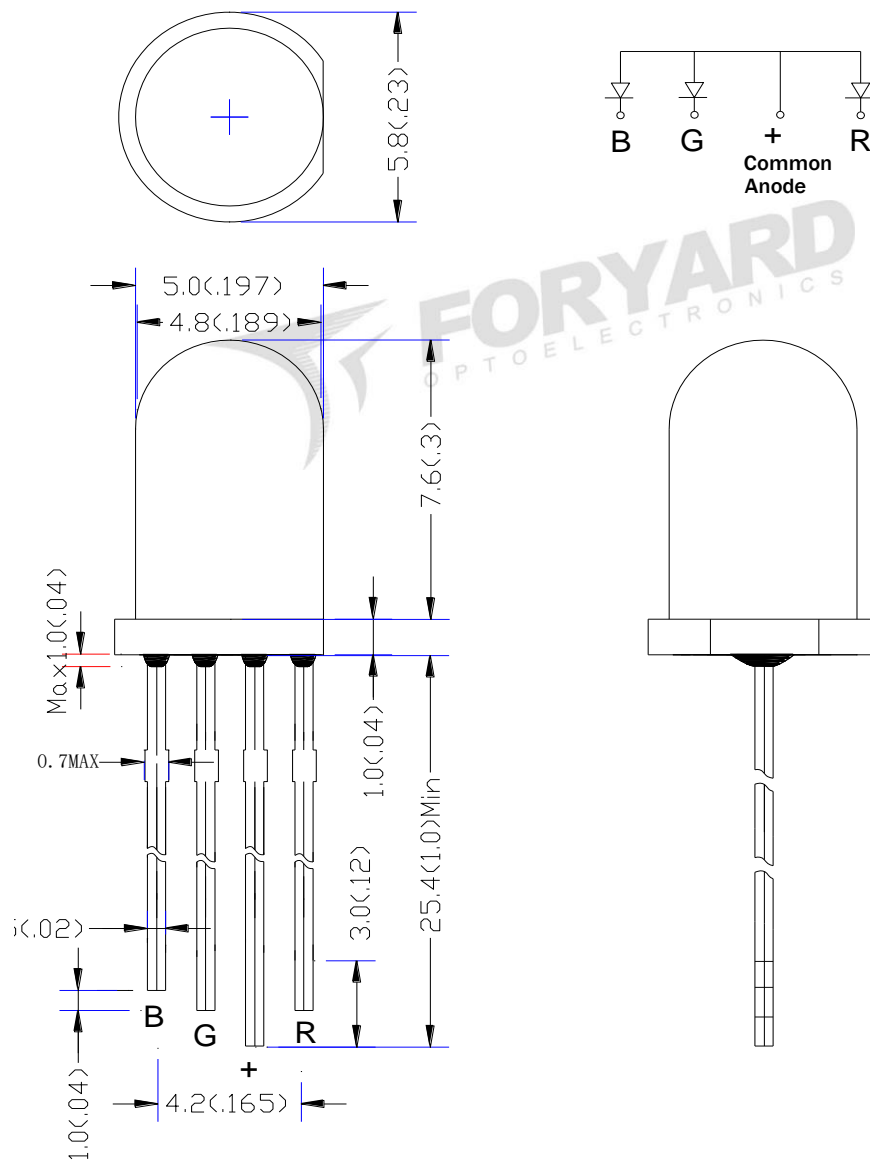
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■ □ **Features**

- 1.Low power consumption.
- 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 $\pm 0.25\text{mm}(0.010\text{'})$ unless otherwise noted.
 3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior

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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			

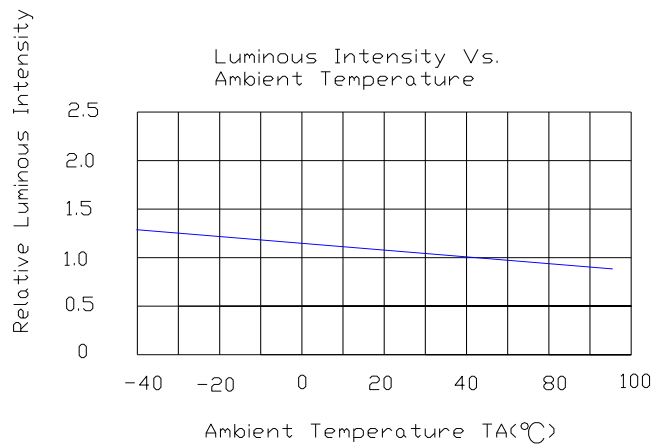
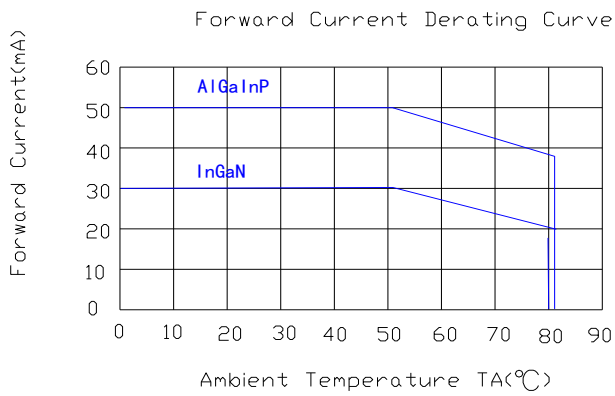
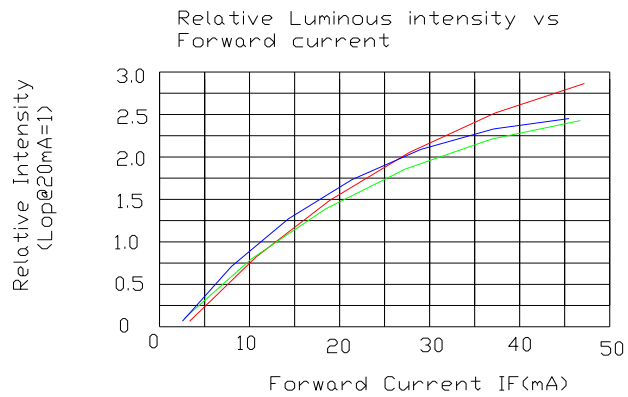
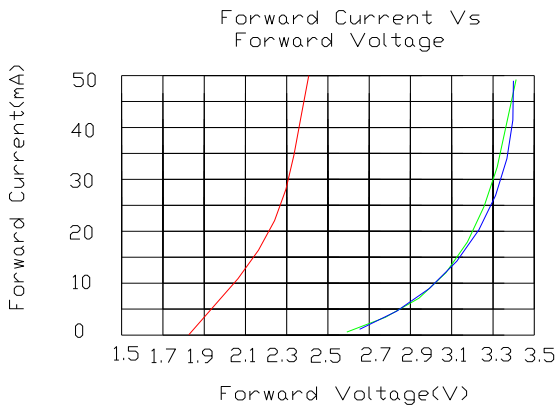
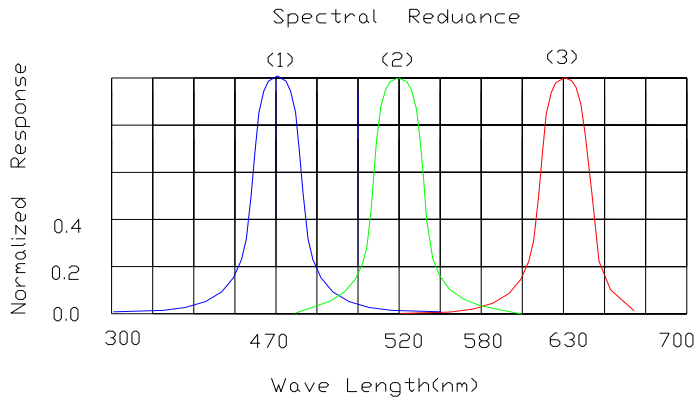
*Pulse width \leq 1msec duty \leq 1/10

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

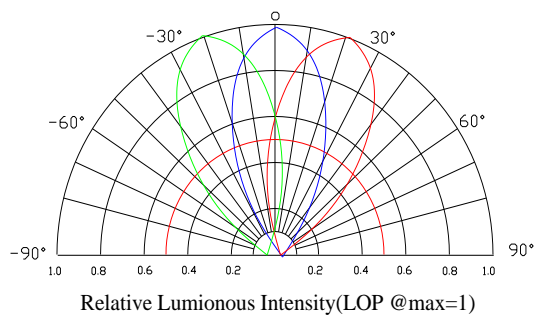
Items	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	VF	R	---	2,00	2,40	V
		G	---	3,20	3,60	
		B	---	3,20	3,60	
Reverse Current	IR	VR = 5V	---	---	5	uA
Peak Emission Wavelength	λ_p	R	---	630	---	nm
		G	---	525	---	
		B	---	468	---	
Dominant Wavelength	λ_D	R	---	625	---	nm
		G	---	520	---	
		B	---	470	---	
Luminous Intensity	IV	R	---	700	---	mcd
		G	---	2800	---	
		B	---	600	---	
50% Power Angle	$2\theta_{1/2}$	IF = 20mA	---	60	---	Deg

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

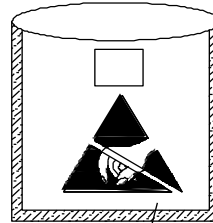
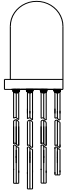


Radiation pattern.

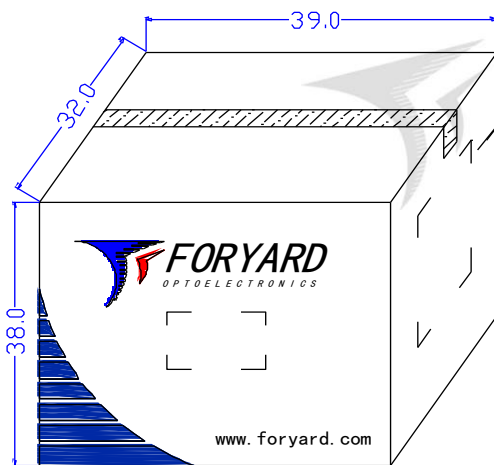
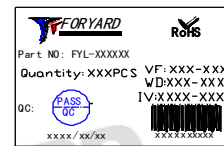


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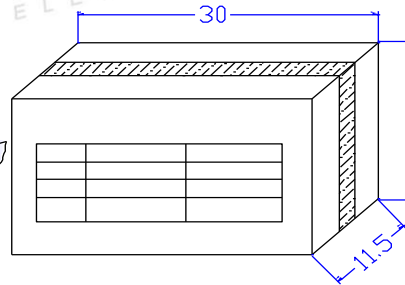
■ LAMP PACKING.



500PCS/Polybag

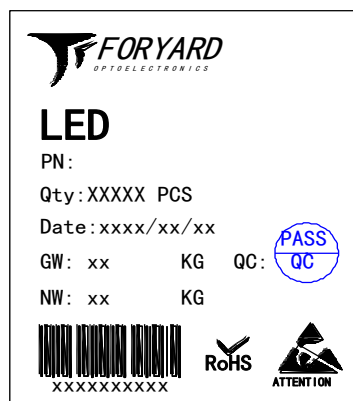


OUTSIDE LABEL



6000PCS/Box

36000PCS/Carton



OUTSIDE LABEL

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