

# TriColor **RED GREEN BLUE** LED

This full color super bright LED contains red green and blue LEDs housed in a single 5mm epoxy package They are available with water clear or milky white diffused lenses as part numbers RL5-RGB-C and RL5-RGB-D Available with common CATHODE or ANODE

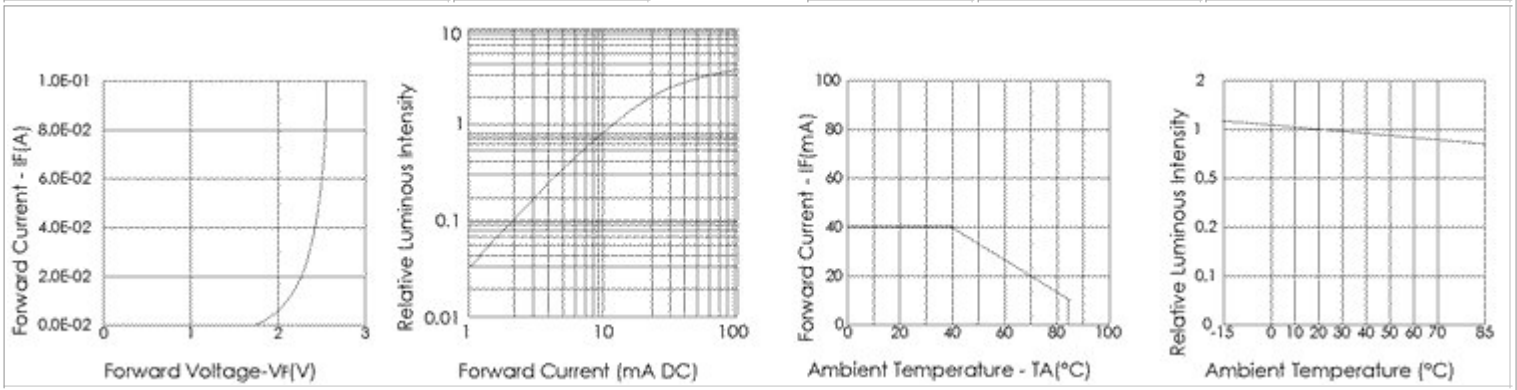
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We also offer an automatic color changing RGB LED.

[CLICK HERE TO SEE SPECS](#)

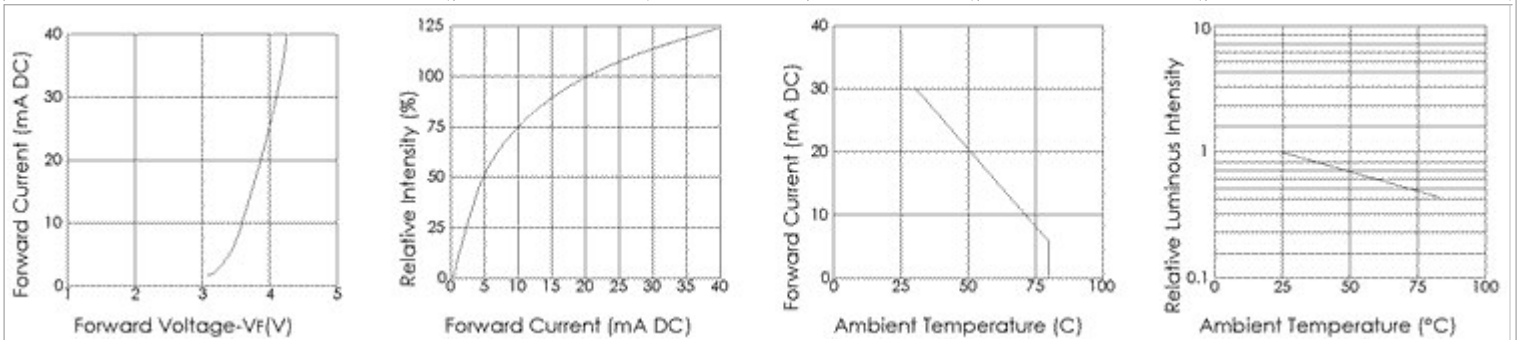
## optoelectric characteristics: SUPER RED (AlGalpn)

PARAMETER	SYMBOL	MAX	TYP	UNIT	TEST
View Angle of Half Power	2ø1/2		15	Degree	
Forward Voltage	VF	2.6	2.0	V	IF=20mA
Peak Emission Wavelength	ÿ P		630	nm	
Luminous Intensity	IV		1200	mcd	IF=20mA



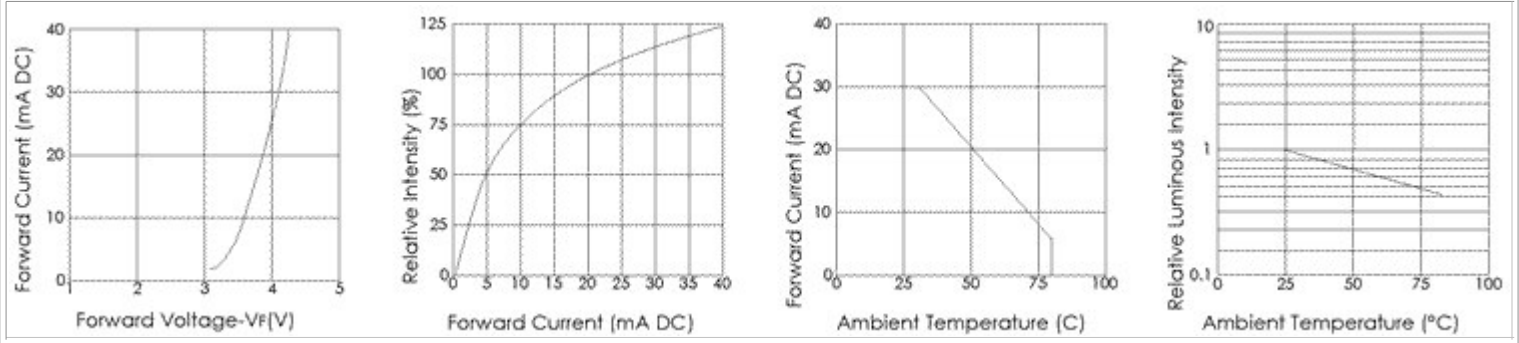
## optoelectric characteristics: SUPER GREEN (GaInN/GaN)

PARAMETER	SYMBOL	MAX	TYP	UNIT	TEST
View Angle of Half Power	2ø1/2		15	Degree	
Forward Voltage	VF	4.0	3.5	V	IF=20mA
Peak Emission Wavelength	ÿ P		525	nm	
Luminous Intensity	IV		3700	mcd	IF=20mA



optoelectric characteristics: SUPER BLUE (GaN)

PARAMETER	SYMBOL	MAX	TYP	UNIT	TEST
View Angle of Half Power	2 $\phi$ 1/2		15	Degree	
Forward Voltage	V <sub>F</sub>	4.0	3.5	V	I <sub>F</sub> =20mA
Peak Emission Wavelength	$\lambda$ P		472	nm	
Luminous Intensity	I <sub>V</sub>		700	mcd	I <sub>F</sub> =20mA



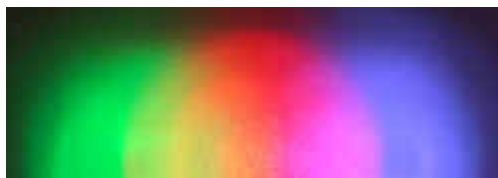
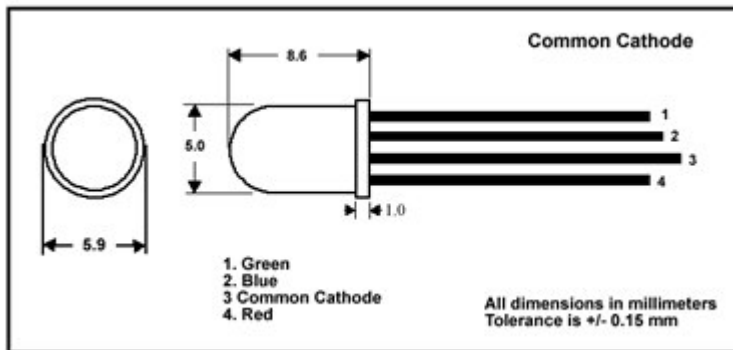
**AVAILABLE WITH COMMON CATHODE OR COMMON ANODE**

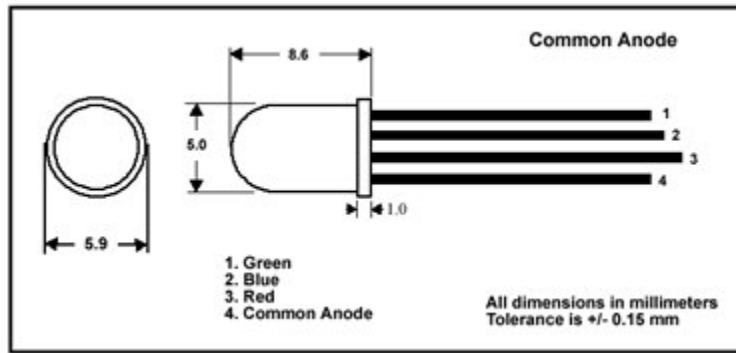
absolute maximum ratings: (T<sub>A</sub>=25°C, per individual LED) **PART NUMBERS RL5-RGB-C and RL5-RGB-D**

PARAMETER	SYMBOL	RATING	UNIT
Power Dissipation	PD	100	mW
Continuous Forward Current	I <sub>F</sub>	20	mA
Peak Forward Current	I <sub>FM</sub>	50	mA
Reverse Voltage	V <sub>R</sub>	5.0	V
Operating Temperature	T <sub>A</sub>	-40~+85	°C
Storage Temperature	T <sub>STG</sub>	-40~+85	°C
Reverse Current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	μa

Lead Soldering Temperature (3mm from body) 260C (for 3 seconds)

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**LEADS ARE 0.48mm x 0.48mm square - LEAD SPACING IS 1.25mm - LEAD LENGTH IS 24mm to 28mm**