

Electrical / Optical Characteristics at TA=25°C

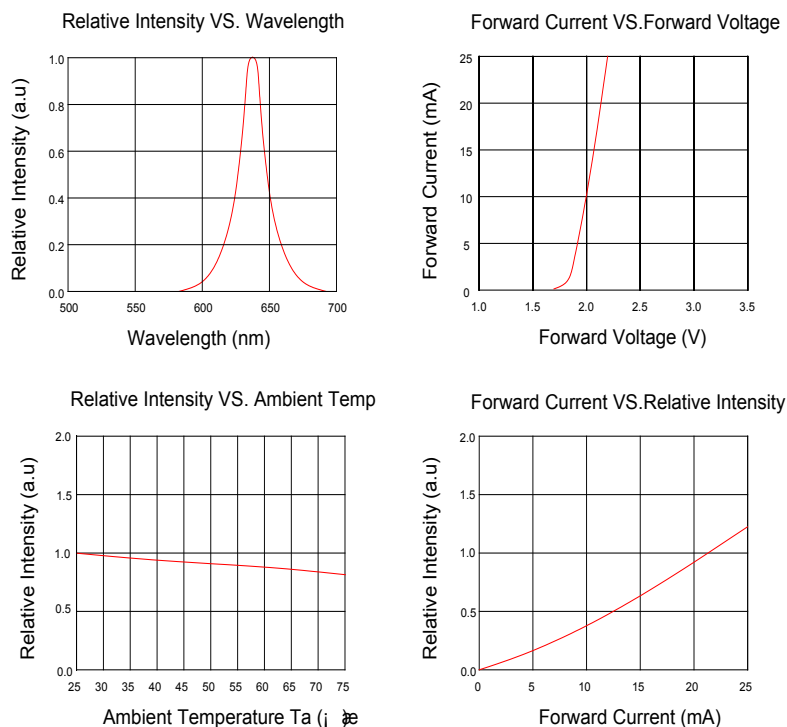
Parameter	Symbol	Device	Min	Typ.	Max.	Units	Test Conditions
Luminous Intensity	I _v	Red Green Blue	300 800 250	--- --- ---	500 1200 450	mcd	IF=20mA
Viewing Angle	2θ1/2	Red Green Blue	50	---	65	Deg	(Note 1)
Peak Emission Wavelength	λ _p	Red Green Blue	625 520 460	630 525 465	640 530 470	nm	IF=20mA
Spectral Line Half-Width	λ	Red Green Blue	15 15 25	20 20 30	25 25 35	nm	IF=20mA
Forward Voltage	V _F	Red Green Blue	1.9 2.9 2.9	--- --- ---	2.4 3.3 3.3	V	IF=20mA
Reverse Current	I _R	Red Green Blue	---	---	10	μA	VR=5V

Device Selection Guide

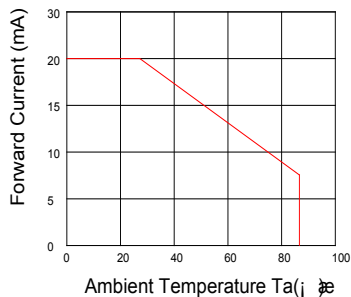
Part No.	Chip		Lens Color
	Material	Emitted Color	
ARL-5013PGC-B	AlGaInP	Red	White clear
	InGaN	Green	
	InGaN	Blue	

Typical Electro-Optical Characteristics Curves

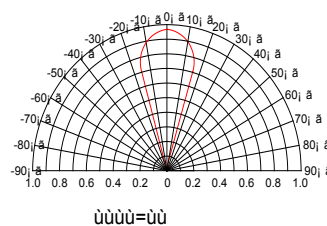
- Red



Forward Current VS.Ambient Temp.

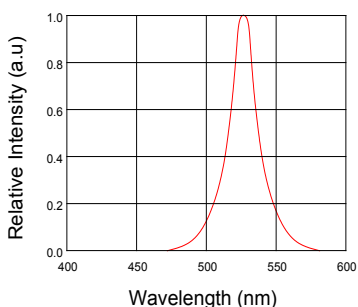


Radiation Characteristics

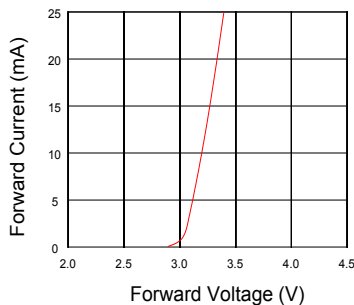


● Green

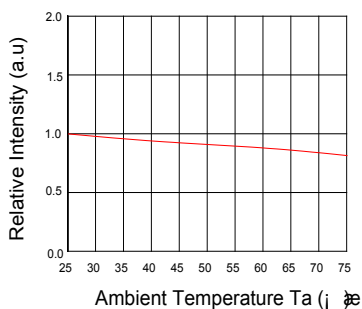
Relative Intensity VS. Wavelength



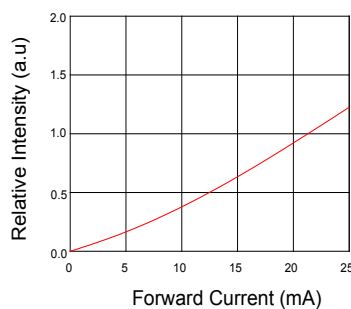
Forward Current VS.Forward Voltage



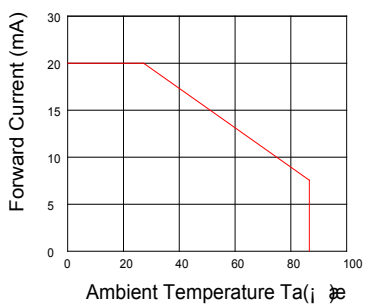
Relative Intensity VS. Ambient Temp



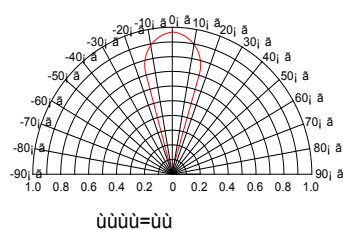
Forward Current VS.Relative Intensity



Forward Current VS.Ambient Temp.



Radiation Characteristics



- Blue

