



**Electrical Optical Characteristics at Ta = 25 C°**

Parameter	Symbol	Emitting Color	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>	Red	300	600		mcd	I <sub>F</sub> = 20mA Note 1
		True Green	300	600			
		Blue	63	140			
Viewing Angle	2Θ <sub>½</sub>	Red		85		Deg	Note 2
		True Green		85			
		Blue		85			
Peak Emission Wavelength	λ <sub>p</sub>	Red		635		nm	Measurement @ Peak
		True Green		520			
		Blue		468			
Dominant Wavelength	λ <sub>d</sub>	Red		625		nm	Note 3
		True Green		525			
		Blue		470			
Spectral Line Half-Width	Δλ	Red		20		nm	
		True Green		40			
		Blue		30			
Forward Voltage	V <sub>F</sub>	Red	1,7	2.05	2,5	V	I <sub>F</sub> =20mA
		True Green	2,8	3.4	4,0		
		Blue	2,8	3.3	4,0		
Reverse Current	I <sub>R</sub>	Red			50	μA	V <sub>R</sub> =5V
		True Green					
		Blue					

Notes:

1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. Θ<sub>½</sub> is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength (λ<sub>d</sub>) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the colour of the device.
4. Forward voltage measurement allowance is +- 0.1V.
5. Luminous Intensity Measurement allowance is +- 10%.