



### Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	I <sub>e</sub>	8.8	12	---	mW/sr	I <sub>F</sub> =20mA (Note 1,3)
		21	30	---	mW/sr	I <sub>F</sub> =50mA (Note 1,3)
Viewing Angle(X)	2 <sub>1/2</sub>	---	105	---	Deg.	(Note 2)
Viewing Angle(Y)		---	50	---		
Peak Wavelength	p	---	940	---	nm	I <sub>F</sub> =50mA
Spectral Line Half- Width		---	50	---	nm	I <sub>F</sub> =50mA
Forward Voltage	V <sub>F</sub>	---	1.35	1.60	V	I <sub>F</sub> =50mA
Reverse Current	I <sub>R</sub>	---	---	10	μA	V <sub>R</sub> =5V

**Note:**

- Point sources of the amount of radiation per unit time in a given direction within the unit solid Angle radiated energy.
- 2<sub>1/2</sub> is the off-axis angle at which the Radiant Intensity is half the axial Radiant Intensity.
- The I<sub>e</sub> guarantee should be added ±15% tolerance.

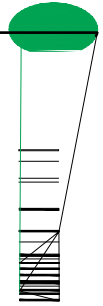


## Radiant Intensity Bin Code (IF=50mA)

BIN CODE	Min. (mW/sr)	Max. (mW/sr)
31	21	26
32	26	31
33	31	37
34	37	44
35	44	53

**NOTE:** The I<sub>e</sub> guarantee should be added ±15% tolerance.

## Label Explanation





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double

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