

INFRARED





LUXEON IR ONYX

Industry leading broadband IR solution for spectroscopy and hyperspectral imaging applications



The LUXEON IR ONYX emitter features a continuous broadband infrared (IR) emission from 650 to 1100nm with superior light output characteristics. The product comes in an industry standard 2720 package and footprint for easy integration in existing designs. The LUXEON IR ONYX allows for new possibilities for miniaturization of spectroscopy and hyperspectral imaging applications in hand-held devices for mobile, industrial, and medical applications.

PRIMARY APPLICATIONS

FEATURES AND BENEFITS

Spectroscopy	
Machine Vision	
Healthcare	
Hyperspectral Imaging	

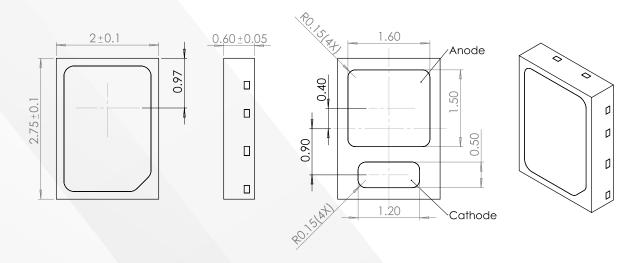
Flat spectrum allows for ease of calibration

LUXEON IR ONYX product performance and optical characteristics at 350mA, T_i=25°C.

WAVELENGTH [1] (nm)	TYPICAL FWHM BEAM ANGLE (°)	RADIOMETRIC POWER [2] 600-1050nm (mW)		SPECTRAL FLUX 750-1000nm (µW/nm)		PART NUMBER
		MINIMUM	TYPICAL	MINIMUM	TYPICAL	
600-1050	120	40	50	80	150	L1IG-0750100000000

- Lumileds maintains a tolerance of ±5nm on peak wavelength measurements.
- Lumileds maintains a tolerance of ±5nm on реак waverengumerous.
 Lumileds maintains a tolerance of ±7% on radiometric power and spectral flux measurements.

Mechanical Dimensions.



Notes:

- Drawings are not to scale.
- 2. All dimensions are in millimeters.

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