

HC61NBL011 (Solid State Conversion) Specifications

Product Specifications ^{1,2,3}	
Wavelength (nm)	488
Output Power (mW)	30mW
Power Stability (Over 2 hours)	±1%
Spacial Mode	TEM ⁰⁰
M ²	≤ 1.2
Beam Diameter @ 1/e ² (mm)	0.70 ±5%
Beam Divergence (mrad)	< 1.2
Polarization Ratio	≥ 250:1
Pointing Stability over 2 hours (μrad)	±30/ ±3°C
Noise (20Hz – 2kHz peak to peak)	0.5%
Noise (20Hz – 20kHz peak to peak)	1.0%
Noise (20Hz – 20MHz rms)	0.1%
Warm-up Period	5 min
Laser Safety Classification	3b

Operating Parameters	
Voltage (Universal Input)	100-240VAC ±10%
Current	5 Amps Max.
Frequency	47-63 Hz
Phase	Single
Airflow requirements (nominal)	≥ 30 CFM
Operating Temperature / Humidity	10 to 40 °C (50 to 105 °F) / <90%
Storage Temperature / Humidity	-20 to 60 °C (-4 to 140 °F) / <100%
Dimensions	
Laser Head	14 x 4- ³ / ₄ x 4 in. (356 x 121 x 102 mm)
Power Supply	11- ¹ / ₄ x 8- ¹ / ₂ x 4 in. (286 x 216 x 102 mm)
Weights	
Laser head	3.0 lbs (1.4 kg)
Power Supply	6.0 lbs (2.7 kg)

Notes

1. Specifications subject to change without notice.
2. When used with LDI 9471 or NLC 2271 power supply.
3. Measurements taken in light control after minimum 5 minute warm-up.

