

iLLUMINA

LITHOGRAPHY LASER



Power Technology's ground-breaking iLLUMINA Lithography Laser is a high resolution, user friendly direct laser lithography system ideal for maskless lithography, ink & varnish curing, and digital laser printing. The iLLUMINA features a fiber coupled output with wavelengths of 375 or 405nm and output power up to 37W. The non-coherent light source provides reliable functionality without the use of a water chiller. The use of PTI's proprietary light source allows the reproduction of lithographic patterns with exceptionally high resolution and rapid design turnaround.

Available Configurations

| Wavelength (nm) | Output Power (W) | Delivery Fiber Diameter |
|-----------------|------------------|-------------------------|
| 405 | 2.8 | 400 μ |
| 405 | 7.6 | 910 μ |
| 405 | 15.5 | 910 μ |
| 405 | 18.2 | 910 μ |
| 405 | 37.0 | 910 μ |
| 375 | 1.0 | 400 μ |
| 375 | 2.8 | 400 μ |
| 375 | 5.8 | 400 μ |

Specifications

| | |
|-------------------------------|----------------------|
| Wavelength | 405nm \pm 10nm |
| Output Power | 34 |
| Power Stability | 5% |
| Electrical power input | 500W |
| Input voltage | 100 - 220VAC |
| Output Fiber Diameter | 910 μ |
| Output Fiber Numeric Aperture | .22 |
| Size (3U Configuration) | 16.9" x 25.5" x 5.1" |
| Rack Size | 19" |
| Lifetime | <10,000 hrs |
| Spectral Width | Determined by Laser |