ILLUMINA

LITHOGRAPHY LASER SYSTEM

Power Technology
Incorporated

PRECISE + SCALABLE + RELIABLE

Your lithography process is unique. Your light source has to be up to the challenge and fit your budget. Power Technology's Illumina Lithography Laser System is a user-friendly laser light source that gives you the right amount of light at the right wavelength in exactly the right spot. Engineered for exceptional lithographic performance, the Illumina features a convenient and durable fiber coupled output at a wavelength of 405 nm enabling high resolutions. With scalable power and up to 176 Watts, seven unique power levels guarantee the Illumina laser is a perfect match for your application. Illumina provides 20,000 hours of reliable illumination without the need for liquid cooling. Illumina eliminates the dangers associated with expensive bulbs, and the high costs associated with other ultra-violet solutions. The Illumina Lithography Laser System delivers the most affordable, precision lithographic reproduction performance at the feature resolution you need for a price you can afford.
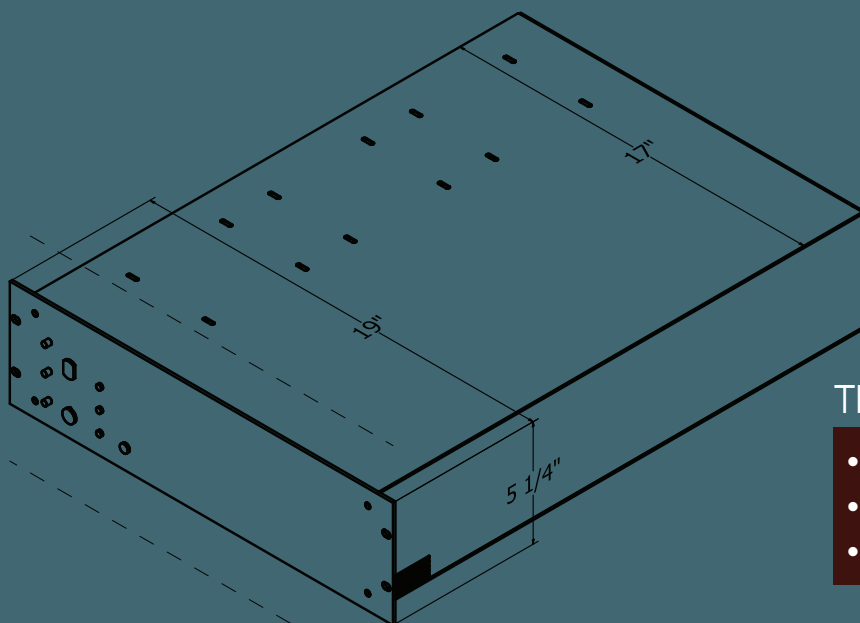
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LITHOGRAPHY LASER SYSTEM

Power Technology Incorporated

19"

17"

5 1/4"

The Illumina Features:

- •TTL Compatible Exposure Control
- •User Adjustable Power Levels
- •Stable Output Intensity

1" Reserved for air flow

Fiber exits

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1" Reserved for air flow
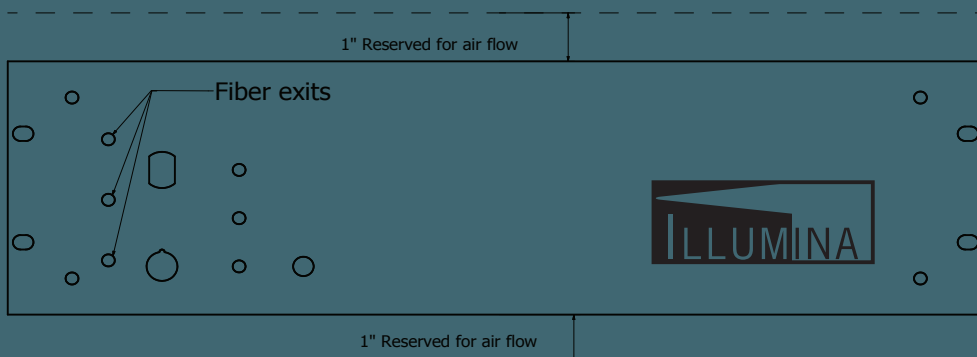
Optional Military-Grade Speckle Reduction Available

TECHNICAL SPECIFICATIONS

Power	10 Watts	20 Watts	40 Watts	59 Watts	117 Watts	176 Watts
Wavelength	405nm	405nm	405nm	405nm	405nm	405nm
Output Diameter (mm)	1.5	1.5	2.07	2.23	3.47	3.97
Numeric Aperature	0.39	0.39	0.39	0.39	0.39	0.39
Supply Voltage (VAC)	90-250	90-250	90-250	90-250	90-250	90-250
Supply Current (Watts)	1000	1000	1000	1000	1000	1000
Operating Temperature (Celcius)	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30
Storage Temperature (Celcius)	10 - 70	10 - 70	10 - 70	10 - 70	10 - 70	10 - 70
Weight (pounds)	60	60	60	60	180	180
Noise Level (dB(A))	58	58	58	58	58	58
19" Rack Space	1 x 3U	1 x 3U	1 x 3U	1 x 3U	3 X 3U	3 X 3U
Rack Depth (Inches)	24	24	24	24	24	24