

# High-Powered LEDs

## Continuous 3-inch Vortex-Cooled LED

### LM3X-XXX, DC3X

The LM3X is a high-power, air-cooled, rack-mountable, 3-inch LED light source that provides uniform, stable illumination for pressure and Temperature Sensitive paint measurements. The unit offers a significant increase in power over the previous generation products (~2 times that of a single LM2XX head) without the need for water. Its small form factor and large optical power density make it a class leading solution for large scale testing and installations. The LM3X has been designed to operate safely in a pulsed or continuous DC operation. It requires no external chiller, only standard shop air for operation.



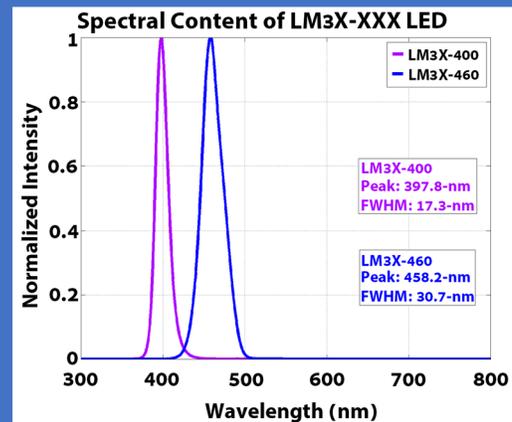
## SPECIFICATIONS

AC Power	100-240 V, 50-60Hz, 8.2 A
Output Power	18 W (optical) per head (36 W total per system)
Required Supply Air	40 scfm (1,130 lpm) @ 90 psi (Dry)
Stability	~0.1 % per hour after warmup
Wavelength (Standard)	*400-nm, 460-nm
Operating Temperature	-10-60 °C
Rise Time (10% - 90%)	< 600 ns
Fall Time (90% - 10%)	< 300 ns
Duty Cycle	100%
FWHM	+/- 18-nm
ECCN	EAR99

\*Other wavelenaths available upon request

## FEATURES

- High-power output
- Continuous or pulsed (TTL control) output
- Fast rise and fall times
- Stable output for long exposure
- Narrow band output
- Custom wavelength outputs available
- Easy installation using mounting clamp (optional)

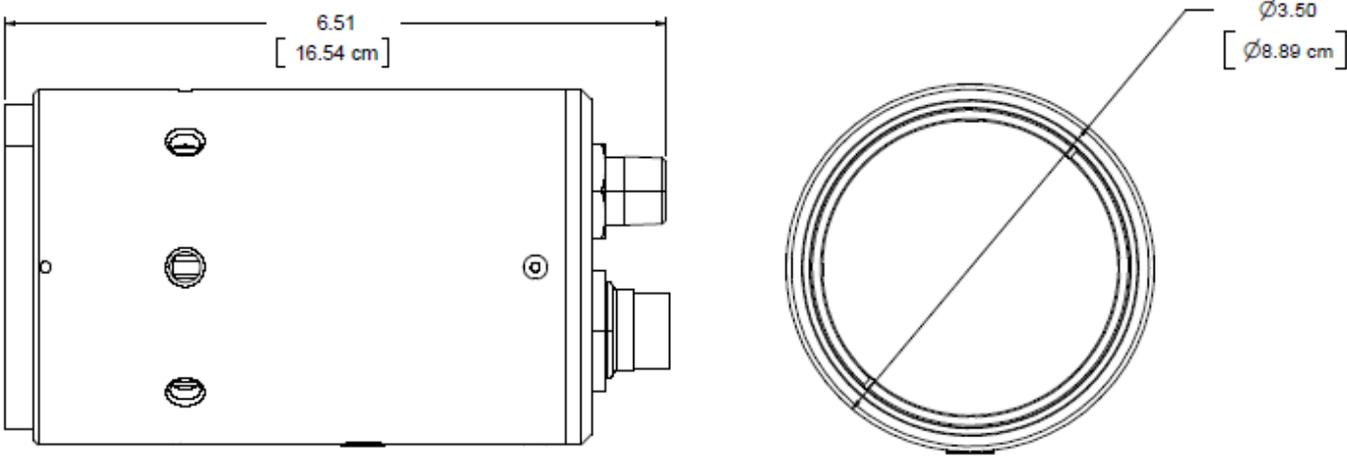


**ISSI**  
INNOVATIVE SCIENTIFIC SOLUTIONS, INC

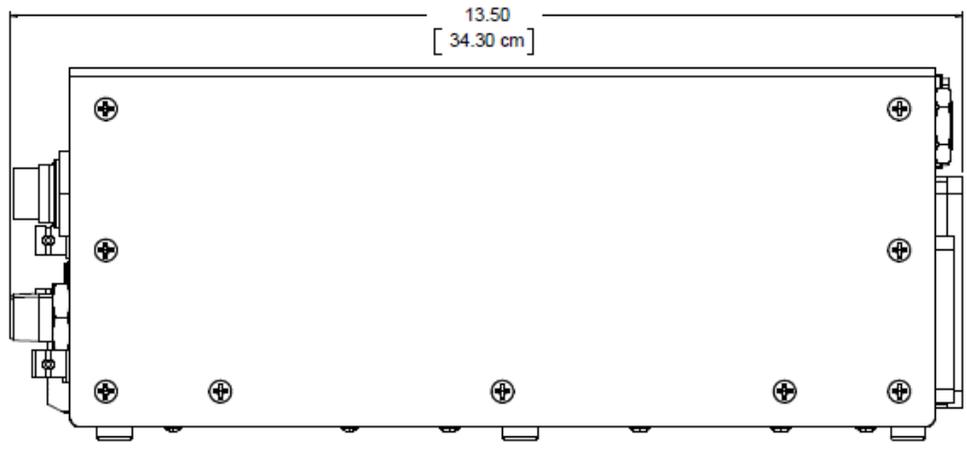
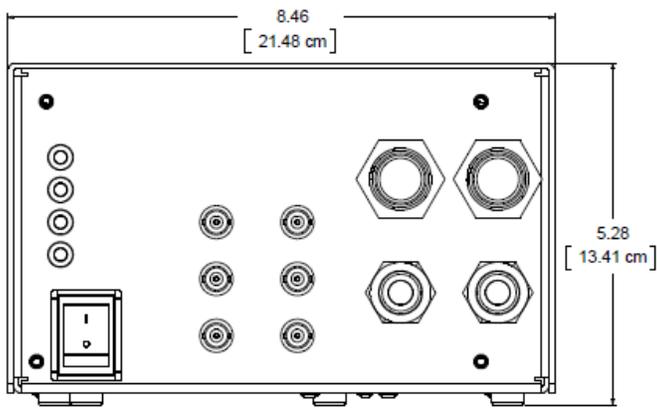


SCAN ME

# High-Powered LEDs



**LM3X- XXX LED Head**



**Dual DC3X Control Box with Rack Mounting**