

## Marking Laser

*The “All-In-One” System of the Schilling-Family:*

- \* **Compact, light, space saving**
- \* **Simple installation and easy to use**
- \* **Alternative control systems: PC or Laptop**
- \* **Maintenance free, low operating costs**
- \* **Fast, reliable, perfect results**
  
- \* **Incl. “Easy Focus” System**
- \* **Incl. Laser safety cabinet with automatic door**
- \* **Incl. multilingual software “Ulyxe Editor” with simple user interface to create texts, graphics, codes, serial numbers and many more.**
- \* **Incl. integrated air cooling device**
- \* **Incl. illuminated removable t-slot base**



# Megalight UX

## Technical Specifications:

LASER MODEL	Megalight UX	
Laser medium	Nd:YVO <sub>4</sub> (Vanadate)	
Wavelength	1064 nm	
Average output power (typical)	6.5W ±5% @50kHz	
Beam quality	M <sup>2</sup> <3	
Repetition rate range	15-200kHz	
Pump system	Diode Laser	
Warranty	2 years	
Aiming beam	Red Diode Laser to display the size and position of marking job, second red pointer for focussing	
Objective F-theta mm	160	
Working distance mm	178±3	
Marking area (mm x mm)	100x100	
Input voltage / Output voltage	115-230 VAC In / 230 VAC Out	
Frequency	50-60 Hz	
Power consumption	max. 300W laser source, System max. 1000W	
Cooling system	Air cooled (integrated)	
PC connection	USB	
	<b>Overall Dimensions DxWxH (mm)</b>	
Laser safety cabinet	864x432x610	
Max. part size	241x343x152	
	<b>Weight (kg)</b>	
System complete	68 (150 lbs)	
	<b>Protection Class</b>	
Laser	IP 21	
Laser safety cabinet	Laser Protection Class 1	
	<b>Environmental</b>	
Operating temperature	Min. 15°C (59°F) / Max. 35°C (95°F)	
Humidity	< 90 % without condensation	
Operating altitude	< 1000m (3,330 feet)	
Suspended matter	> 3 mg/m <sup>3</sup>	
Vibrations	No vibrations permitted	
Max. acceleration	0.5 G	
Noise	< 70 dB	
Storage temperature Non condensing	Min. -5°C (23°F) / Max. +55°C (131°F)	
Conformance to EC machinery directives	2004/108/EEC: "Electromagnetic Compatibility" 2006/95/EEC: "Low Voltage"	
Conformance to EC Standards	EN 61000-6-4 Radiation standard EN 61000-6-2 Immunity standard EN 60204-1 Safety of machinery EN 60825-1 Safety of laser products	
Laser Class	Working Laser @ 1064nm: Class IV Pumping Laser @ 808nm: Class IV Aiming Beam @ 635nm: Class 2M; 3mW	
Applications	Through to extreme compactness ideal for stand-alone configurations.	
NOTE:	<b>Specifications are subject to change without notice</b>	

