

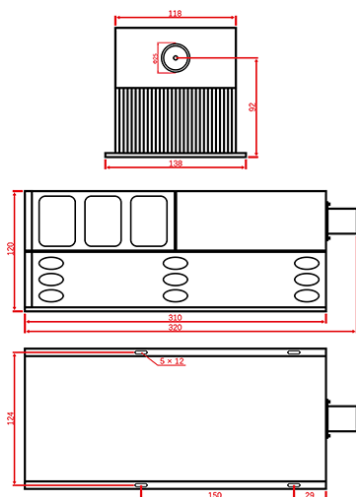
445nm Blue Diode Laser



†Specifications

Product Code	SSL - 445 - XXXX - XXM - D - LED		
Wavelength [nm]	445 ±3		
Output Power [mW] [0 - Max Adjustable]	5000 - 6000	7000 - 9000	10000 - 15000
Transverse Mode	TE ₀₀ / CW		
Operating Temperature [°C]	+10 - +35		
Storage Temperatures [°C]	-10 - +45		
Warm-up Time [minutes]	< 5		
Power Stability [rms, over 4 hours]	5%, 3%, 1%		
M ² Factor	< 5.0		
Beam Diameter At The Aperture [mm]	~ 3.5 × 3.5	~ 4.0 × 4.0	~ 5.0 × 5.0
Beam Divergence, Full Angle [mrad]	< 1.5	< 1.5	< 2.5
Spectral Linewidth [nm]	< 1.0		
Polarization Ratio	> 50 : 1		
Point Stability After Warm-up [mrad]	< 0.05		
Noise of Amplitude [rms]	< 30%		
Modulation [TTL or Analog Alternative]	Standard 10KHz, Up to 40KHz need request		
Laser Head Dimensions [mm]	320 [L] × 138 [W] × 120 [H]		
Power Supply Dimensions [mm]	310 [L] × 165 [W] × 130 [H]		
Working Voltage [VAC]	85~245, 50/60Hz		
Laser Gross Weight [kg]	10.5		
Cooling Way	Cooled by TEC and air		
Expected Lifetime [hours]	> 10000		
Warranty Time [year]	1		

Laser Head Dimension:



Power Supply Dimension:

