

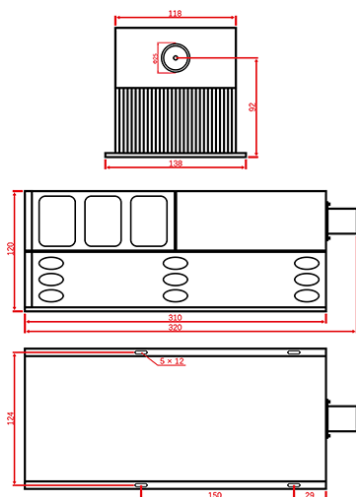
## 445nm Blue Diode Laser



### †Specifications

<b>Product Code</b>	SSL - 445 - XXXX - XXM - D		
<b>Wavelength [ nm ]</b>	445 ±3		
<b>Output Power [ mW ]</b>	5000 - 6000	7000 - 9000	10000 - 15000
<b>Transverse Mode</b>	TE <sub>00</sub> / CW		
<b>Operating Temperature [ °C ]</b>	+10 - +35		
<b>Storage Temperatures [ °C ]</b>	-10 - +45		
<b>Warm-up Time [ minutes ]</b>	< 5		
<b>Power Stability [ rms, over 4 hours ]</b>	5%, 3%, 1%		
<b>M<sup>2</sup> Factor</b>	< 5.0		
<b>Beam Diameter At The Aperture [ mm ]</b>	~ 3.5 × 3.5	~ 4.0 × 4.0	~ 5.0 × 5.0
<b>Beam Divergence, Full Angle [ mrad ]</b>	< 1.5	< 1.5	< 2.5
<b>Spectral Linewidth [ nm ]</b>	< 1.0		
<b>Polarization Ratio</b>	> 50 : 1		
<b>Point Stability After Warm-up [ mrad ]</b>	< 0.05		
<b>Noise of Amplitude [ rms ]</b>	< 30%		
<b>Modulation [ TTL or Analog Alternative ]</b>	Standard 10KHz, Up to 40KHz need request		
<b>Laser Head Dimensions [ mm ]</b>	320 [L] × 138 [W] × 120 [H]		
<b>Power Supply Dimensions [ mm ]</b>	310 [L] × 165 [W] × 120 [H]		
<b>Working Voltage [ VAC ]</b>	85~245, 50/60Hz		
<b>Laser Gross Weight [ kg ]</b>	10.0		
<b>Cooling Way</b>	Cooled by TEC and air		
<b>Expected Lifetime [ hours ]</b>	> 10000		
<b>Warranty Time [ year ]</b>	1		

**Laser Head Dimension:**



**Power Supply Dimension:**

