

Blue Violet Laser



Blue Violet Laser: KBL-25 & KBL-50

Kimmon, the name you have known and trusted for 35 years in the blue and ultraviolet laser industry is proud to introduce two new laser models, the KBL-25 (25mW) and KBL-50 (50mW). These new semiconductor based models are a compact source of violet (408nm) laser light. With embedded Automatic Temperature Control (ATC), Automatic Power Control (APC), and Automatic Current Control (ACC) these units are ideal for both OEM and R & D applications.

Applications:

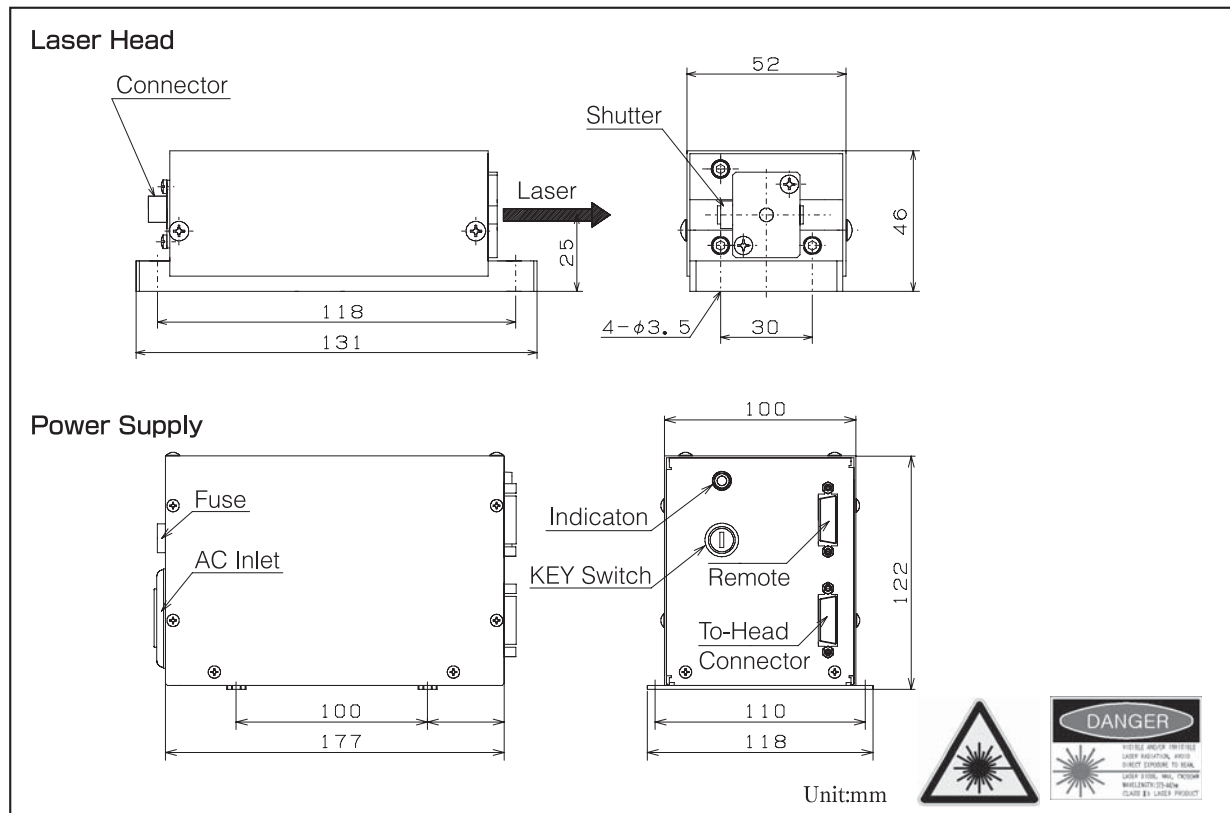
- Biomedicine/Bioengineering
- Raman spectroscopy
- Interferometry
- Confocal microscope
- Printing/Plate making
- Photoluminescence
- Precision measurement
- Printing/Plate making
- Holography
- Defect inspection

Blue-Violet Laser Specifications

Model	KAL-15	KBL-50	KCL-40
Output wavelength (nm)	375±5	408±7	445±5
Rated output power (mW)	15	50	40
Transverse mode structure	TEM ₀₀		
Polarization	Horizontal		
Polarization ratio	>100:1		
Beam diameter (mm)	1.5*3.5		
Beam divergence (mrad)	<1.2		
Output power noise (RMS) 1Hz~10MHz (%)	<0.5		
Output power stability (%) (4 hours)	<±2.0		
Environmental conditions	Temperature:10~35(°C) Humidity:<90%RH		
Laser head dimensions L×W×H (mm)	52×131×46		
Power supply dimensions L×W×H (mm)	118×122×177		
Laser head weight (g)	370		
Power supply weight (g)	1500		
Power requirements (VAC)	AC100~240		
Power consumption (w)	<100		
Class	class III b		

*Specifications subject to change without notice.

Dimensions



KIMMON KOHA CO.,LTD.

1-53-2 ITABASHI, ITABASHIKU, TOKYO, 173-0004 JAPAN
 PHONE +81-3-5248-4820 FACSIMILE +81-3-5248-0021
 e-mail : lasers@kimmon.com