

MDL-XD-405/16-35W

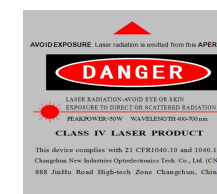
## VIOLET DIODE LASER AT 405nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, communication, spectrum analysis



### SPECIFICATIONS

Central wavelength (nm)	405±5
Operating mode	CW
Output power (W) <sup>1</sup>	16-35
Power stability (rms, 4 hours ± 3°C)	<2%, <1%, <0.5%
Transverse mode	Multimode
Polarization direction	Horizontal+ Vertical
Beam diameter at the aperture (mm)	~12.0×5.0
Beam divergence, full angle (mrad)	~8.0×1.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	99.8
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-N-FDA/PSU-N-LED
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY (PSU-N-FDA) <sup>2</sup>	POWER SUPPLY (PSU-N-LED) <sup>3</sup>
<p>288(L) × 186(W) × 124.8(H) mm<sup>3</sup>, 6.6 kg</p>	<p>307 (L) × 150 (W) × 106 (H) mm<sup>3</sup>, 3.0kg</p>	<p>283 (L) × 180 (W) × 104 (H) mm<sup>3</sup>, 2.5kg</p>

1 Any power level can be selected in this range.

2 Fixed output power; Modulation up to 30kHz.

3 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.