

## 长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd.

DATA SHEET

## MDL-XS-808/1~80mW



## DIODE XS SERIES LASER AT 808nm

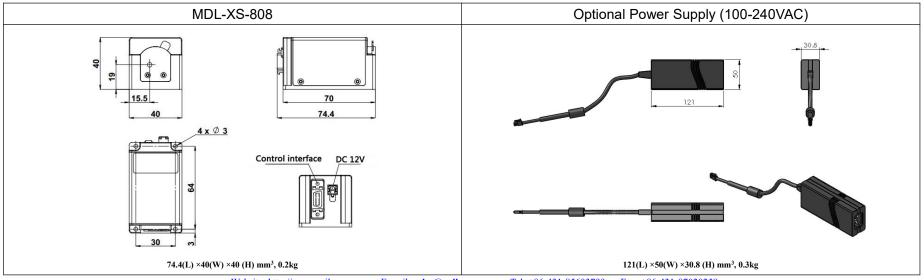
It features integrated electronics, plug and play, miniaturization, international standard interface. They are the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision.



SPECIFICATIONS
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Central wavelength (nm)	808±10	
Operating mode	CW	
Output power (mW)	>1, 10, 20,,80	
Power stability (rms, over 4 hours)	<3%, <2%, <1%	
Transverse mode	Near TEM <sub>00</sub>	
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)	
M <sup>2</sup> factor	~1.5	
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~1.2	
Beam divergence, full angle (mrad)	<1.0	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	19	AVOID EXPOSURE: Laser radiation is emitted from the
Operating temperature (°C)	10~35	DANGER
Operating voltage	DC12V 4A	Laib AGADDS-ADDEBR TERORETORY AND AND FARDORE-OR WY WATELDOTE 200.000 an CLASS HID LASER PRODUCT This device complies with 21 CFE104015 and 1040.11 Changeaba Washanning Observanis Trick, C.J. (40) 188 Juliu Rod High-reck Zoar Changeas, China
Modulation	DMOD (TTL) up to 1MHz AMOD (Analog) up to 100kHz DMOD+ AMOD (TTL + Analog)	
Expected lifetime (hours)	10000	
Warranty	l year	

Note: The laser head needs to be used on a heat sink with good heat dissipation.



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