

## Features

- Compact size
- Up to 13-bars side-by-side
- Low thermal resistance
- Flexible stack design
- Horizontal stacks designed to meet custom specifications
- Available in fast-axis and slow-axis collimated
- CW and QCW operation



## Device Specification

Optical Parameters <sup>1</sup>	Units		
Center Wavelength Range <sup>3</sup>	nm	88x	
Center Wavelength Tolerance <sup>3</sup>	nm	±3	
Output Power per Bar <sup>2, 3, 4</sup>	W	50	80
Number of Bars	#	(2 to 13), for Custom Configurations Consult DILAS	
Spectral Width (FWHM)	nm	<5	<5
Slope Efficiency per Bar	W/A	>1.05	>1.10
Fast-Axis Divergence <sup>4</sup> (90%)	mrad	<50	<60
Slow-Axis Divergence (90%)	mrad	8	8
Wavelength Temp. Coefficient	nm/°C	~0.30	~0.30

Electrical Parameters <sup>1</sup>			
Power Conversion Efficiency	%	>54	>54
Threshold Current (I <sub>TH</sub> )	A	<11	<16
Operating Current (I <sub>OP</sub> )	A	<60	<85
Operating Voltage per Bar (V <sub>OP</sub> )	V	<1.8	<1.8

Thermal Parameters			
Operating Temperature Range <sup>3</sup>	°C	+20 to 30	
Storage Temperature Range	°C	0 to 55	

Please refer to DILAS water specification for cooling requirements.

<sup>1</sup>Data at 25°C water temperature, unless otherwise stated.

<sup>2</sup>Reduced lifetime if used above nominal operating conditions.

<sup>3</sup>Others available upon request.

<sup>4</sup>For fast-axis collimation using FAC lens: divergence <8mrad.

