

Specification

Module Type ¹	Units	FL-AA05-3X10-XXX-808(Q)
Operation Mode		QCW
Pulse Width	ms	≤3
Duty Cycle	%	≤10
Bar Pitch	mm	1.13
Water flow	L/min	≥1.5
Expected Lifetime	shots	1X10 ⁹
Optical Parameters ^{3,5}		
Center Wavelength λ	nm	808
Wavelength Tolerance	nm	±3
Output Power/bar	W	≤200
Number of Bars	-	30
Spectral Width FWHM	nm	≤4
Spectral Width FW90%E	nm	≤6
Fast Axis Divergence(FWHM)	°	35 (typical)
Slow Axis Divergence (FWHM)	°	8 (typical)
Polarization Mode	-	TE/TM
Wavelength Temp. Coefficient	nm/°C	~0.28
Wavelength Current Coefficient	nm/A	≤0.03
Electrical Parameters ^{3,5}		
Operating Current I_{op}	A	≤230
Threshold Current I_{th}	A	≤40
Operating Voltage/bar V_{op}	V	≤2
Slope Efficiency/bar	W/A	≥1.1
Power Conversion Efficiency	%	≥50
Ambient Parameters		
Operating Temperature	°C	20~25
Storage Temperature ⁴	°C	-55 ~ 85
Ambient Parameters	°C	5-35

¹Explanation for the name of Module Type: FL(abbreviation of Focuslight) –GSxx (structure code) –N (Number of Bars) -X(Power) -#(center wavelength)(Q:QCW).

²Reduced lifetime if used above nominal operating conditions.

³Data at 25°C temperature, unless otherwise stated.

⁴A non-condensing environment is required for storage and operation below ambient dew point.

⁵If there are any other requirements, please contact us.

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