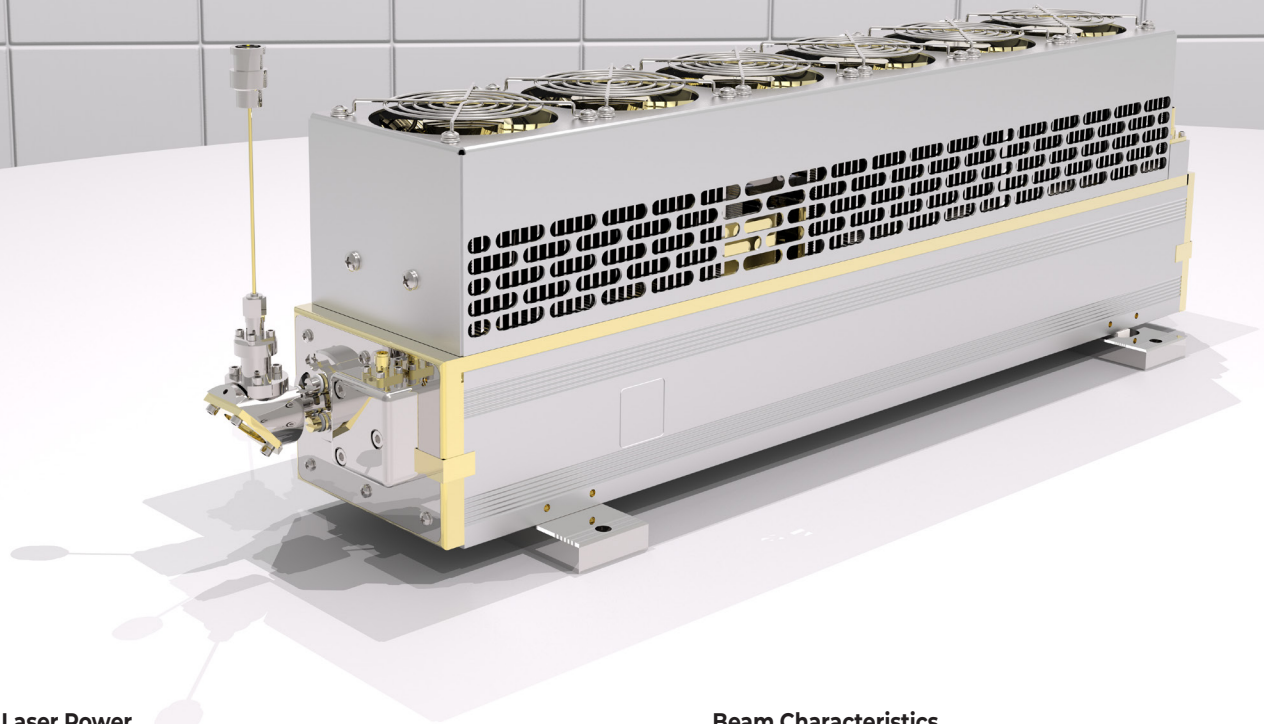


AL30-ST-FCCL



Laser Power

Wavelength	10.5 - 10.7 μm
CW Power	30 W
Peak Power	30 W
Power Stability	$\pm 1\%$

Pulse Width Modulation Parameters

Duty Cycle	0-100 %
Pulse Repetition Frequency	0-100 kHz

Dimensions & Weight

Laser Weight	20.5 lbs
Dimensions L x W x H	23.1 x 3.9 x 6.5 inch
RF Driver Weight	7.0 lbs

Beam Characteristics

Beam Waist Diameter	2.4mm
Waist Location	Output Coupler
Mode Quality	$M^2 \leq 1.1$
Full Divergence Angle	5.5 mrad
Rise and Fall time	200 μs
Polarization	$\geq 20:1$ Linear Vertical

DC Power Requirements

RF Driver	36 V
TC2a	12 V
Line Tracker	12 V

Heat & Cooling

Heat Dissipation	$\leq 600\text{W}$
Cooling Requirement	Fan Cooled Closed Loop
Working Temperature	5°C to 40°C

Notes

Power Stability calculated in CW at thermal equilibrium

$$+ \frac{P_{max} - P_{min}}{P_{max} + P_{min}}$$

Beam specifications measured at: $\frac{1}{e^2}$

All measurements taken at the strongest line. All are specifications are subject to change without notice.



ACCESS LASER
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