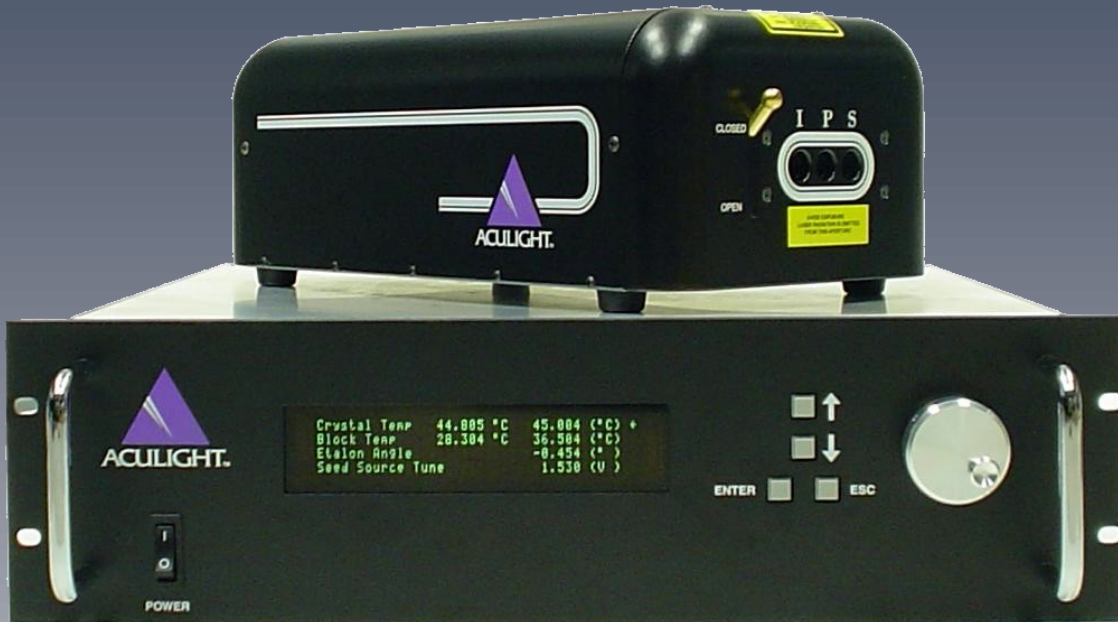


ARGOS™

Highest Power, Widely Tunable
Mid-IR Laser

BB SERIES



The LM Aculight® Argos BB series is a family of continuous-wave, optical parametric oscillators (OPOs) that provide high power mid-IR output with excellent beam quality, designed for a wide range of military and research applications.

Up to 36 Watts
total output power

Spectral Coverage:

Idler :
⇒ 2.20 μm - 4.63 μm

Signal :
⇒ 1.38 μm - 2.06 μm

Features:

- ⇒ Up to 800 cm^{-1} tuning per wavelength module
- ⇒ Robust fiber laser pump source
- ⇒ TEM₀₀ Beam Profile

high power

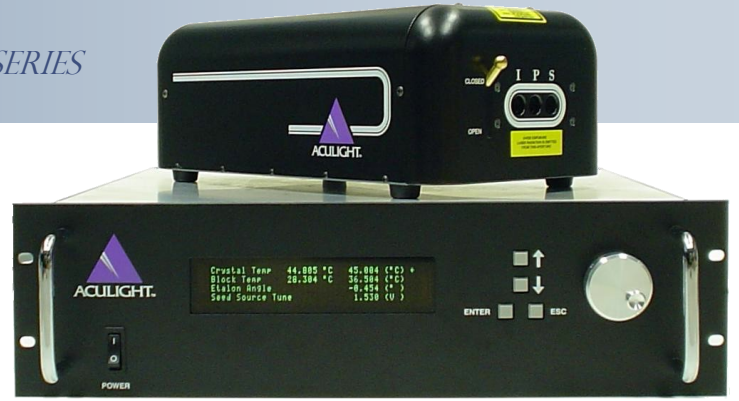



LOCKHEED MARTIN

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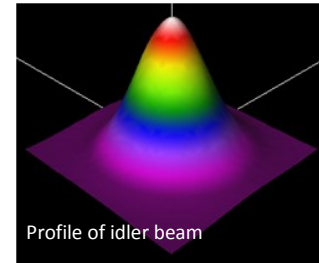
Product Specifications

» BB-50	Signal Power	> 7 Watt
	Idler power	> 3 Watt
» BB-30	Signal Power	> 4 Watt
	Idler power	> 2 Watt
» BB-15	Signal Power	> 1 Watt
	Idler power	> 1 Watt

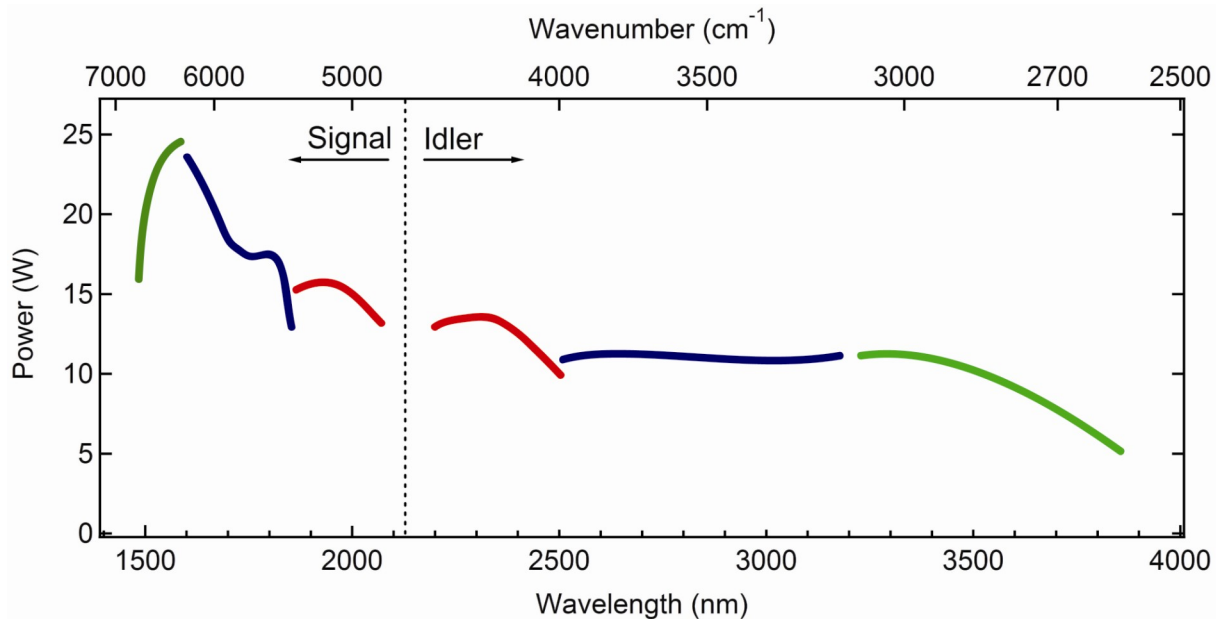
Mode of Operation	CW
Idler Wavelength Coverage	Module A: 2.3 to 2.5 μm
	Module B: 2.5 to 3.2 μm
	Module C: 3.2 to 3.9 μm
	Module D: 3.9 to 4.6 μm †
Signal Wavelength Coverage	Module A: 1.85 to 1.98 μm
	Module B: 1.60 to 1.85 μm
	Module C: 1.46 to 1.60 μm
	Module D: 1.39 to 1.46 μm †
Linewidth	< 200 GHz
Output Beam Mode	TEM ₀₀
Power Stability	< 5% rms

Cooling Method	Forced Air
Power	100-240 V AC 50-60 Hz
<i>Dimensions</i>	
Controller	3U 19" equipment rack
Fiber Laser	3U 19" equipment rack
OPO Head	4.9" x 7.5" x 13.9" (H, W, L)

Specifications subject to change without notice
† Power specifications do not apply to D module.



Demonstrated Performance



Typical output powers for the Argos BB-50.

