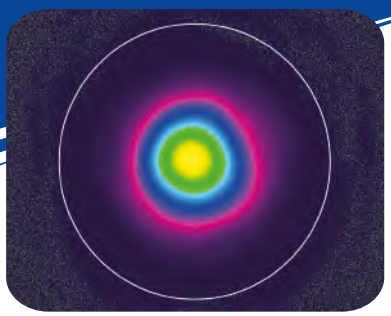
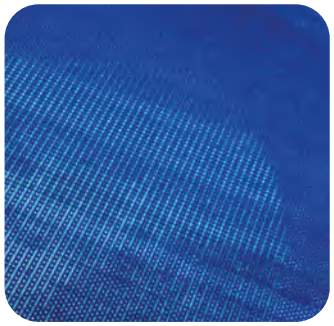
Iris

ns DPSS lasers

[L*]ProCareLight
Light, Laser and Safety Solutions





C-Iris 447+671 nm

Applications

Material processing

Specialty marking

LIDAR

Medical

Scientific

Features

671, 447 nm

15 to 50 ns

up to 200 kHz active Q-Switch

up to 4W @ 671 nm

up to 2W @ 447 nm

$M^2 < 1.5$

Compact air-cooled single unit

BrightSolutions
SOLUZIONI LASER INNOVATIVE

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The Iris platform is based on an active Q-Switched DPSS technology and the Iris models generate laser pulses in the ns range up to 200 kHz repetition rate.
Most of the commercially available lasers emitting in the blue and red spectral regions are typically CW lasers with limited peak power: Iris represents a relevant innovation, providing unmatched peak pulse energy and superior beam quality at wavelengths of 671nm and 447nm.
With the introduction of Iris series, Bright Solutions enlarged its portfolio of active Q-Switched lasers, allowing the laser integrators and final users to explore new application fields like LiDAR, spectroscopy, medical / diagnostics and special material processing.
Iris 671 and 447 nm have a compact air-cooled single-unit footprint and an IO interface compatible with the other laser models manufactured by Bright Solutions.

	Iris models	
	Iris 671nm	Iris 447nm
Available wavelengths	671 nm	447 nm
Max Average Power	4 W	2 W
Q-Switch Rep. Rate	50 to 200 kHz	
Pulsewidth	15 to 50 ns	
Polarization	Linear > 100:1	
Beam Diameter	< 1 mm (optional: beam expander)	
Cooling	Air (option: conductive or liquid)	
Supply Voltage	24 V DC	
Operating Temperature	15 to 35° C	

OPTIONS AVAILABLE:

Dual wavelength configuration
Beam expanding and collimating optics
Pulse energy modulator
Remote control cbox and software interface
AC-DC power supply

Digital control box for simplified remote control

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