

Worldwide Distributors

Baltic, Nordic

Von Gegerfelt Photonics
Tel.: +49-6251 860 99 20
Fax: +49-6251 860 99 17
dvg@vgphotonics.eu
www.vgphotonics.eu

Italy

LOT-Oriel Italia
Tel.: +39-02 26 82 21 04
Fax: +39-02 26 82 50 07
info@lot-oriel.it
www.lot-oriel.it

Singapore/Malaysia

PhotoniTech Pte Ltd
Tel.: +65-65 70 33 86
Fax: +65-62 33 91 71
csales@photonitech.com
www.photonitech.com

Benelux

Applied Laser Technology (ALT)
Tel.: +31-499 37 53 75
Fax: +31-499 37 53 73
info@alt.nl
www.alt.nl

Japan

Japan Laser Corp.
Tel.: +81-352 85 08 61
Fax: +81-352 85 08 60
lase@japanlaser.jp
www.japanlaser.jp

Taiwan

Tayhwa Technology Co. Ltd.
Tel.: +88-62 23 56 97 37
Fax: +88-62 23 56 96 59
tayhwa@tayhwa.com.tw
www.tayhwa.com.tw

China

Pinnacle Scientific Corporation
Tel.: +86-571 88 22 51 51
Fax: +86-571 88 22 52 52
sales@psci.cn
www.psci.cn

Korea

DongWoo Optron Co., Ltd.
Tel.: +82-317 65 03 00
Fax: +82-317 65 02 22
optron@optron.co.kr
www.optron.co.kr

Turkey

Mitra Anonim Sirketi
Tel.: +90-212 347 47 40
Fax: +90-212 347 47 45
info@mitralaser.com
www.mitralaser.com

France

Photon Lines
Tel.: +33-130 08 99 00
Fax: +33-130 08 99 09
info@photonlines.com
www.photonlines.fr

Poland

Amecam
Tel.: +48-22 207 22 78
Fax: +48-22 207 28 77
amecam@amecam.pl
www.amecam.pl

UK

Photon Lines Ltd.
Tel.: +44-12 95 72 42 25
Fax: +44-12 95 72 42 26
info-uk@photonlines.com
www.photonlines

Israel

Militram
Tel.: +97-299 58 18 60
Fax: +97-299 57 43 83
militram@militram.com
www.militram.com

Spain

LASER Technology S.L.
Tel.: +34-937 50 01 21
Fax: +34-937 50 03 23
josecochon@laser-technology.com
www.laser-technology.com

USA

Market Tech, Inc.
Tel.: +1-83 14 61 11 01
Fax: +1-83 14 61 11 36
info@markettechinc.net
www.markettechinc.net

For Life Science Applications

Germany, Austria, Switzerland, Scandinavia

Von Gegerfelt Photonics
Tel.: +49-6251 860 99 20
Fax: +49-6251 860 99 17
dvg@vgphotonics.eu
www.vgphotonics.eu



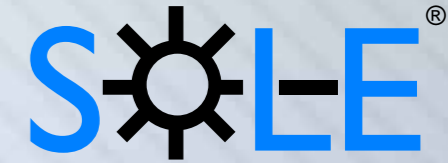
Omicron-Laserage Laserprodukte GmbH
Raiffeisenstrasse 5e
63110 Rodgau, Germany
Tel.: +49-61 06 82 24-0
Fax: +49-61 06 82 24-10
mail@omicron-laser.de
www.omicron-laser.de



ISO 9001:2008



Compact laser light engines
with up to 6 wavelengths



Up to 6 wavelengths beam-combined
in one compact housing

26 different wavelengths available

Direct modulation and fast switching between wavelengths

Single-mode, polarization maintaining fiber coupling
with customized fiber outputs

Vibration isolated

USB 2.0 control interface

Windows™ based laser control software included

OEM versions available

SOLE[®] Compact laser light engines

The SOLE[®] laser light engines combine up to six wavelengths in a compact and rugged design. Wavelengths between 375nm and 830nm and optical output powers up to 150mW per laser line are possible. Especially designed for today's demanding applications in biotechnology like confocal microscopy or flow cytometry. High-speed analogue and digital modulation as well as fast switching between the individual wavelengths are realized by Omicron's proprietary DEEPSTAR[®] technology. All SOLE[®] light engines offer single-mode polarization maintaining fiber coupling or free-space light output with high stability.



SOLE-3

Available models: SOLE-3 - 3-Channel light engine with up to 3 wavelengths
SOLE-6 - 6-Channel light engine with up to 6 wavelengths

Available wavelengths and powers (internal laser power):

- 375nm / 20mW
- 395nm / 120mW
- 405nm / 60mW, 120mW, 250mW
- 415nm / 120mW
- 425nm / 120mW
- 445nm / 50mW, 100mW
- 457nm / 25mW, 50mW, 75mW, 100mW
- 460nm / 100mW
- 473nm / 20mW, 80mW
- 488nm / 20mW, 60mW, 80mW, 100mW, 150mW
- 515nm / 25mW, 50mW, 100mW, 150mW *
- 532nm / 25mW, 50mW, 100mW, 150mW *
- 540nm / 25mW, 50mW *
- 561nm / 25mW, 50mW, 75mW, 100mW, 150mW *
- 568nm / 50mW, 75mW, 100mW, 150mW *
- 594nm / 25mW, 50mW, 100mW *
- 638nm / 40mW, 100mW
- 642nm / 140mW
- 660nm / 130mW
- 685nm / 50mW
- 705nm / 40mW
- 730nm / 40mW
- 785nm / 120mW
- 808nm / 140mW
- 830nm / 140mW

*DPSS Lasers

Fibre coupling:	Type:	Single-mode, polarization maintaining or Multi-mode fibres	
	Fibre output:	FC/APC, FC/P, SMA, FCP8 and collimated outputs on customers demand	
	No. of fibre outputs:	1 or 2	
Modulation capabilities:	Diode lasers:	digital modulation:	> 180MHz
		analogue modulation:	> 3MHz
		electronic shutter:	> 300kHz
	DPSS Lasers:	digital modulation:	> 2.5MHz
		analogue modulation:	> 2.5MHz
		electronic shutter:	> 300kHz
	Extinction ratio:	digital modulation:	> 500:1
		analogue modulation:	> 1000:1
		electronic shutter:	> 50dB
	Input signals:	digital modulation:	TTL
		analogue modulation:	0...10V
		electronic shutter:	TTL
Control interface:	Type:	USB2.0 / RS-232	
Laser control software:	Windows™ based laser control software		
Supply voltage:	Mains:	90...245VAC, 50/60Hz	
Mechanical size:	SOLE-3	19" rack type housing with 2 height units L x W x H: 480mm x 484mm x 88mm (without fiber coupler)	
	SOLE-6	19" rack type housing with 3 height units L x W x H: 530mm x 484mm x 132mm (without fiber coupler)	