

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

PhotonTech 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



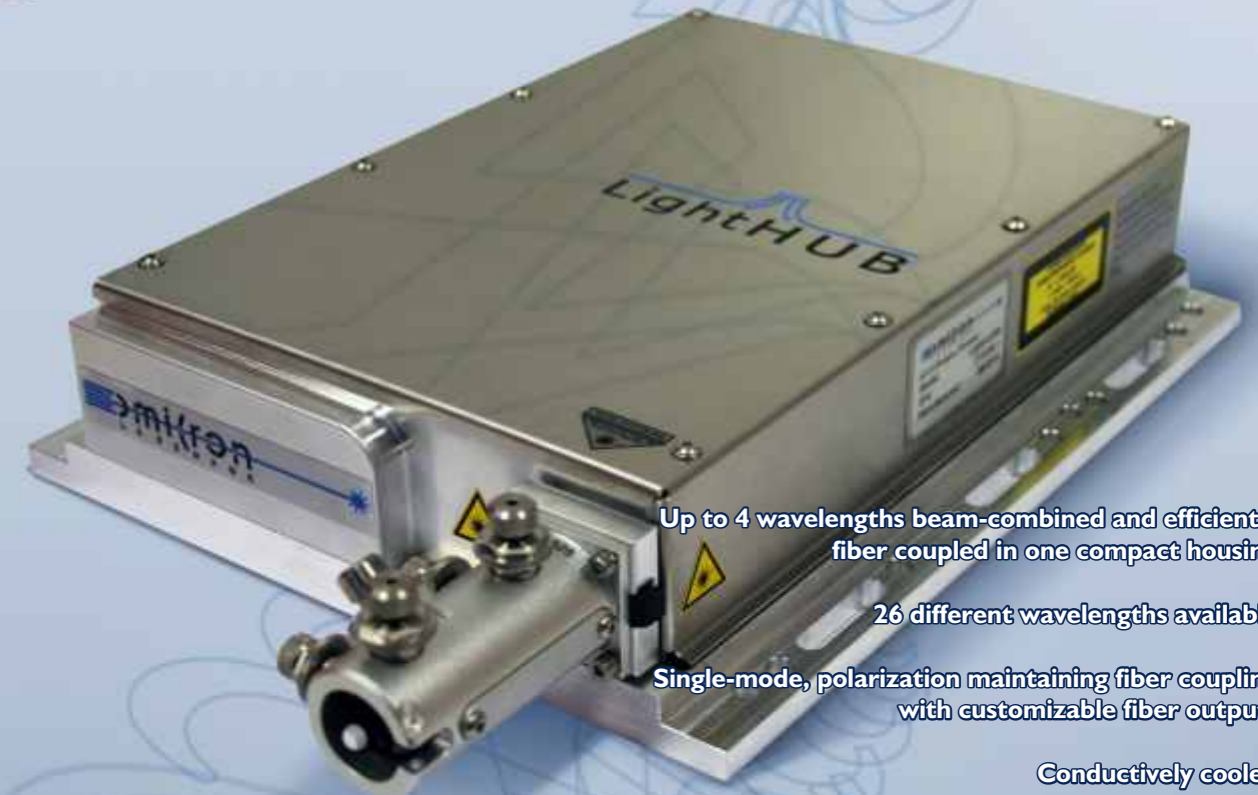
ISO 9001:2008

Stand Jan 2012

omicron
LASERAGE

Compact Laser Combiner

LightHUB



Up to 4 wavelengths beam-combined and efficiently fiber coupled in one compact housing

26 different wavelengths available

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

Conductively cooled

Windows™ based laser control software included

Field upgradable

OEM versions available



The LightHUB® compact laser combiner can be equipped with up to four DPSS or diode lasers of different wavelengths in a compact and rugged design. Wavelengths between 375nm and 830nm and optical output powers up to 150mW per laser line are possible. The Compact Laser Combiners can be equipped with polarisation maintaining fiber coupling units to supply the light for applications in biotechnology like confocal microscopy or flow cytometry and many more.

LightHUB® Compact Laser Combiners

Available models:	LightHUB®-4 - combines up to 6 laser lines LightHUB®-6 - combines up to 6 laser lines
Wavelengths and powers (internal laser power):	<ul style="list-style-type: none"> 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 515nm / 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, (PM) or Multi-mode fibers
	Fiber output:	FC/APC, FC/PC, FCP8 or SMA and collimated outputs diameter on customer´s demand
Free emission:	Beam diameter	0.7mm 1/e ² (others available on request)
Control interfaces of the laser sources:	Type:	USB2.0 / RS-232 (depends on laser model)
Laser control software:		Windows™ based laser control software
Supply voltage:		5VDC / 12VDC / 24VDC (depending on laser type)
Mechanical size:		LightHUB®-4: L x W x H: 293mm x 220mm x 64mm (without fiber coupler) LightHUB®-6: L x W x H: 427mm x 220mm x 64mm (without fiber coupler)