

8-CHANNEL LED FIBER LIGHT SOURCE

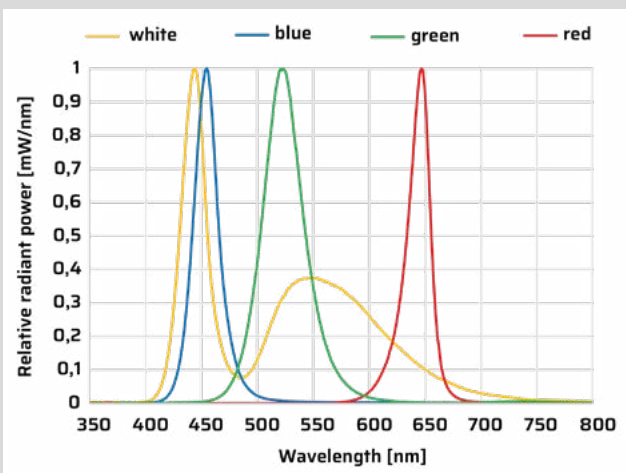
LQ-LED 8



with freely selectable and variably arrangeable channels



Front view of LQ-LED 8 (right, item no.: 17442) with lamp housing lh-8POF.60 (item no.: 12817)



Spectrum LQ-LED 8, other LEDs on request

The LQ-LED-8 is a state-of-the-art 8-channel LED fiber light source developed for demanding scientific and technical applications. With up to 8 freely selectable LEDs, individually or synchronously switchable at up to 500 kHz, it enables spectrally precise adaptation to your requirements.

Thanks to the individually configurable fiber arrangement and separately programmable brightness per channel, the LQ-LED-8 opens up new possibilities in microscopy, image processing, semiconductor production and more.

PRODUCT-HIGHLIGHTS

- Switching frequency up to 500 kHz
- 8 separately controllable wavelengths
- Flexible LED combinations
- Precise spectral positioning
- Optimized for imaging procedures

AREA OF APPLICATION

- Microscopy (KERR)

Functions

Trigger	Electronically controlled independent trigger for each channel
	Maximum frequency: 500kHz
	Minimum flash time: 1µs
	Trigger via TTL or SPI
	Customized interface on request
Intensity control	Via SPI interface, in 180 steps per channel
Safety	Overtemperature protection, self-monitoring
Adapter	Zeiss, Leica, Nikon, Olympus

Specifications

Mains voltage	85 to 265 VAC ± 10 %, 43 to 63 Hz
Power recording	Max. 200 VA

Execution

Dimension	250 mm x 220 mm x 340 mm (W/H/L)
Weight	5.0 kg

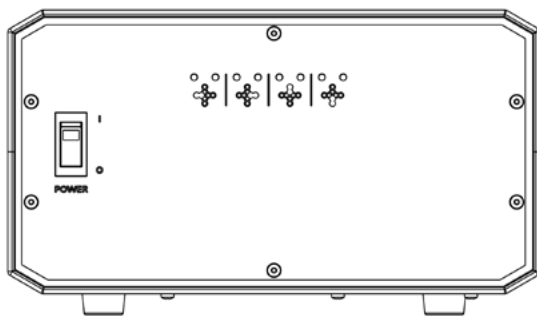
Other

Scope of delivery	LQ-LED 8 (item no.: 17442), power supply unit, operating instructions
Accessories	Lamp housing lh-8POF.60 (item no.: 12817) POF cable 8-way (item no.: 13584) microscope adapter (on customer request)

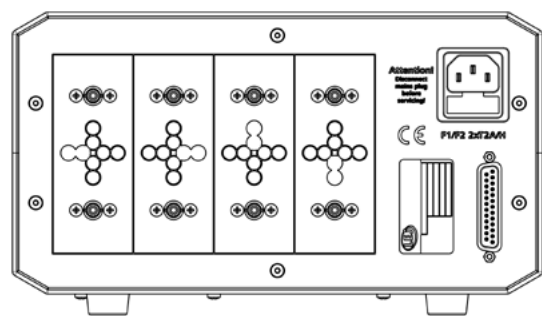
Each of the 8 channels can be equipped with:

LED-Type [examples]	CRI / peak-wave-length	Light current [lm]	Radiation power [mW]
IR - Infrared	For suitable fibers on request		
UW - Ultra White	-	40	300
R - Red	632 ± 9 nm	20	120
A - Amber	624 ± 9 nm	25	80
CG - Converted Green	520 ± 50 nm	50	110
TG - True Green	520 ± 16 nm	30	65
B - Blue	455 ± 13 nm	7	170
UV - Ultra Violet	For suitable fibers on request		

Luminous flux and radiant power measured at the output of a POF with > 1 mm active diameter.



Front view LQ-LED 8



Back view LQ-LED 8

Errors and omissions excepted. Subject to change without notice in the interest of technical progress.

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