

COMPACT 8-CHANNEL LED FLUORESCENCE LIGHT SOURCE

luxyr® LED MULTILUX



Simultaneous and separate control with switching times from 1 μ s, use with liquid light guides



Front view luxyr LED MULTILUX (8-channel)

With 8 powerful UVA-/VIS channels, the luxyr LED MULTILUX LED light source offers a highly flexible solution for the most demanding illumination tasks.

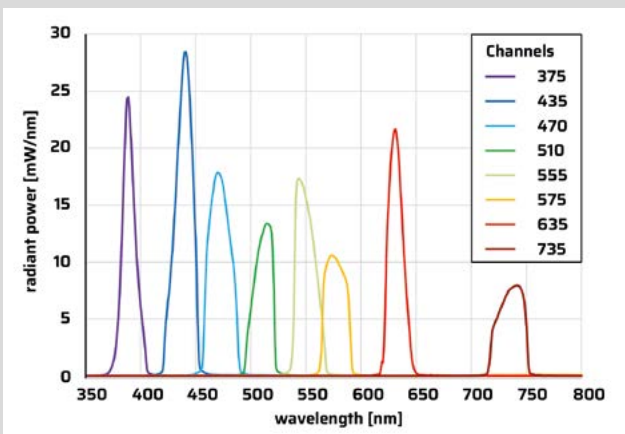
You can control the channels simultaneously or separately within microseconds and adjust the MULTILUX optimally to your application. It's equipped with state-of-the-art LED technology and is ideal as a replacement for classic halogen and short-arc cold light sources.

PRODUCT HIGHLIGHTS

- Powerful LED light source
- 8 UVA / VIS channels (see ill. on the left)
- Channels controlled simultaneously or separately
- High-speed triggering
- Switch times from 1 μ s
- Integrated excitation filter
- 3 mm light guide connection

AREAS OF APPLICATION

- Fluorescence microscopy
- Bright-field microscopy
- Dark-field microscopy
- Forensics
- Multispectral imaging



Spectrum of luxyr LED MULTILUX

Output parameters

Description	Output power see diagram on page 1, dimmable, gamma-corrected brightness control
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Steady-Mode

Description	Continuous operation with adjustable luminous flux, separate setpoints for all channels
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Follow-Mode

Description	Level-controlled operation (TTL) with pre-configured luminous flux
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Rising time ₁₀₋₉₀	<< 500 ns
Descending time ₁₀₋₉₀	<< 500 ns
Signal running time	<< 500 ns

Interfaces

Control	Mini DIN connector for control via control panel
Config	USB-C for configuration, operation & status messages
Trigger	BNC sockets for each individual channel, BNC socket for global trigger
Optical output	Lumatec standard with 3 mm active diameter

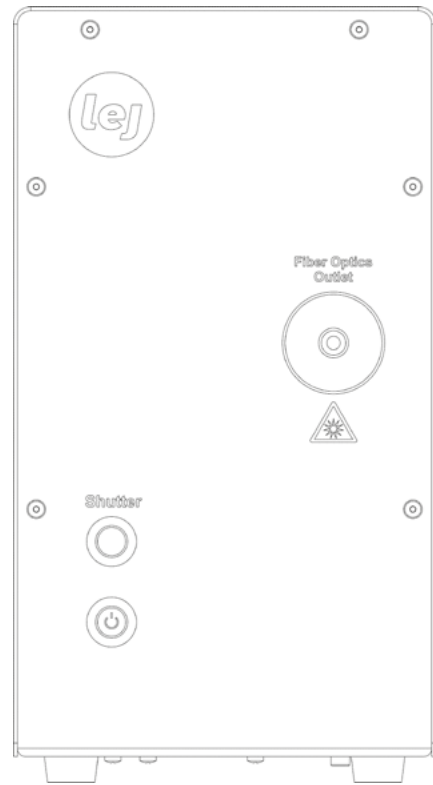
Specification

Mains voltage for power supply	100 to 240 VAC ± 10 %, 50 to 60 Hz maximum power, Power consumption max. 180 VA
Dimensions (L/H/B)	Approx. 270 mm x 295 mm x 155 mm
Weight	Approx. 7.5 kg

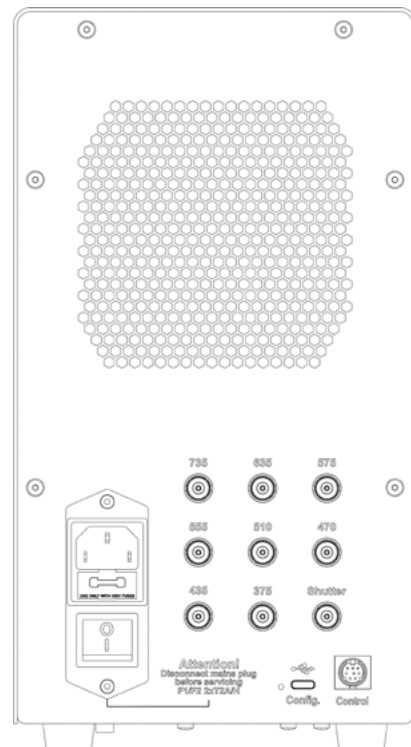
Channel designation	CWL Excitation Filters [nm]	FWHM Excitation Filters [nm]	Integral light output [mW]*
375	378	52	300
435	438	24	400
470	474	27	350
510	509	22	250
555	554	23	300
575	578	21	250
635	635	18	300
735	735	28	200

* Measured at the output with 3 mm liquid light guide (Lumatec Series 380)

CWL: Center wavelength | FWHM: Full width at half maximum



Front view luxyr LED MULTILUX



Rear view of luxyr LED MULTILUX

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

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