



more than light®



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PRELIMINARY

PRODUCT DATA SHEET

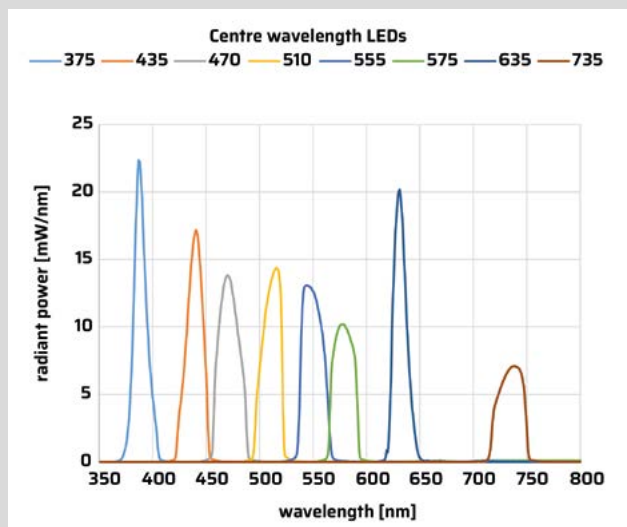
## COMPACT 8-CHANNEL LED FLUORESCENCE LIGHT SOURCE

# luxyr® LED MULTILUX

High-power broadband LED light source as a replacement for halogen and short-arc cold light sources.



Front view luxyr LED MULTILUX (8-channel)



Spectrum of luxyr LED MULTILUX

With 8 powerful UV-/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 UV / VIS channels (see ill. on the left)
- Channels controlled simultaneously or separately
- High-speed triggering
- Exposure times from 1  $\mu$ s
- Integrated excitation filter
- 3 mm light guide connection

### AREAS OF APPLICATION

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

**more than light®****luxyr® LED MULTILUX**  
**PRELIMINARY | Technical data****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
Rising time <sub>110-90</sub>	<< 500 ns
Descending time <sub>110-90</sub>	<< 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
TTL	SMB socket for follow mode
Optical output	Storz long with 3 mm active diameter

**Specification**

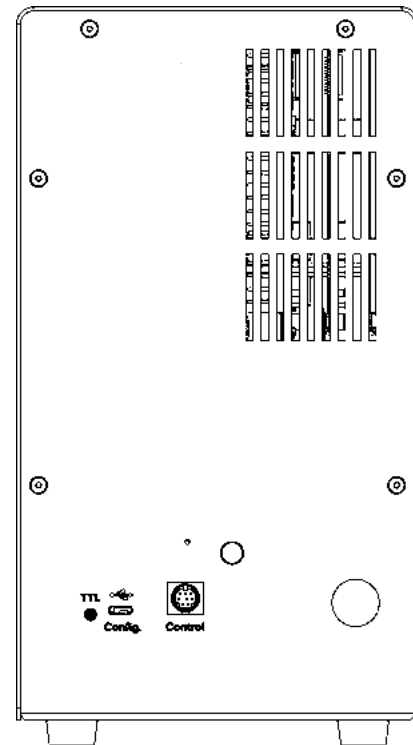
Mains voltage for power supply	100 to 240 VAC ± 10 %, 50 to 60 Hz maximum power, Power consumption max. 180 VA
Dimensions (L/H/B)	Approx. 252 mm x 290 mm x 157 mm

CWL of Excitation Filters [nm]	Bandwidth (FWHM)	Integral light output [mW]*
378	52	250
438	24	250
474	27	250
509	22	250
554	23	250
578	21	250
635	18	200
735	28	200

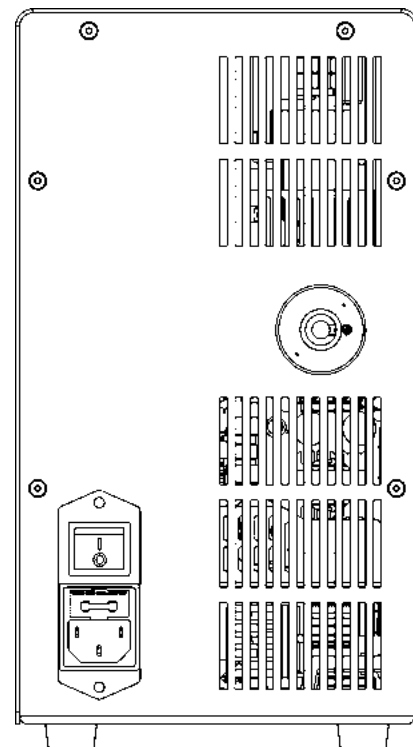
\* Measured at the output with 3 mm liquid tight guide (Lumatec Series 380)

CWL: Center wavelenght

FWHM: Full width at half maximum



Front view luxyr LED MULTILUX



Rear view of luxyr LED MULTILUX