more than light®

PRODUCT DATA SHEET

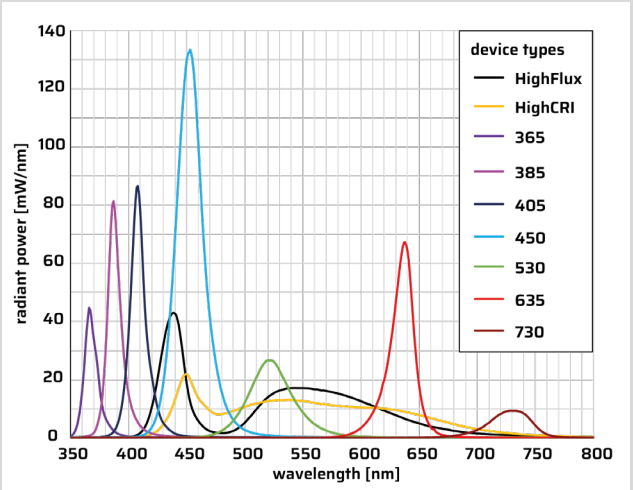
DIRECT-FIT LED LIGHT SOURCE WITH UV-A TO NIR AND WHITE-LIGHT VERSIONS

luxyr® LED PICO

Scan me!



Front view luxyr LED PICO



Spectra of available LEDs (more on request)

The LUXYR LED PICO is a compact direct-fit LED light source for fluorescence and brightfield microscopy. Different LED types allow flexible adaptation to a wide range of applications.

Depending on the version, it is available as a monochromatic model from 365–735 nm or as a white-light version with up to 2500 mW or 800 lm. The interchangeable microscope adapter enables flexible integration, while noise- and vibration-free operation ensures stable conditions. It is controlled via the control panel, USB or externally by a TTL signal at up to 100 kHz.

PRODUCT HIGHLIGHTS

- Homogeneous illumination
- High luminous flux (CW up to 800 lm)
- Gamma corrected brightness control
- Pulsing with TTL trigger up to 100 kHz possible
- Silent and vibration-free operation
- Compact design & low weight
- Different LED versions available

AREAS OF APPLICATION

- Fluorescence microscopy
- Brightfield microscopy
- Darkfield microscopy
- Image processing & optical inspection
- Semiconductor manufacturing
- Forensic microscopy

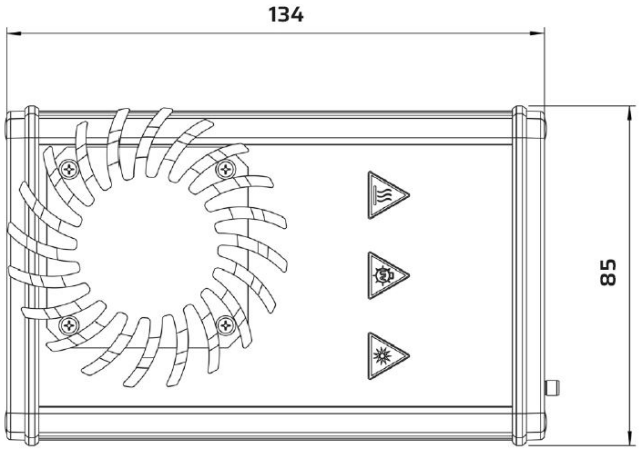
more than light®

luxyr® LED PICO

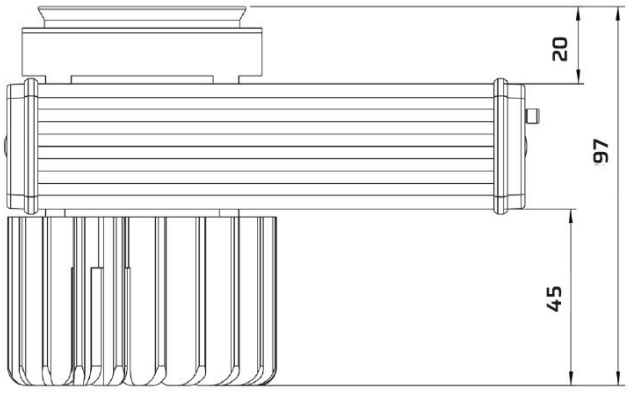
PRODUCT DATA SHEET

CW-Mode		
Description	Continuous operation with adjustable luminous flux	
Parameters	Light ripple	<0.5%
Follow-Mode		
Description	Level-controlled operation (TTL) with preconfigured luminous flux	
Parameters	Rise time (t_{10-90})	< 2 µs
	Fall time (t_{90-10})	< 2 µs
	Signal runtime	< 1 µs
Pulse-Mode		
Description	Edge-controlled pulses (delay, length and luminous flux pre-configurable)	
Parameter	Rise time (t_{10-90})	< 2 µs
	Fall time (t_{90-10})	< 2 µs
	Min. pulse length ($t_{Pulse\ min}$)	10 µs
	Min. delay	< 5 µs
Interfaces		
Control	Mini-DIN for control via control panel	
Config	USB 2.0 (type B micro) for configuration, operation & status messages	
TTL	SMB socket for follow mode & pulse mode	
DC_{in}	Hollow plug for supply via power supply unit (included in delivery)	
Optical output	Collimation optics with microscope adapter (for Zeiss, Leica, Nikon, Olympus, customized)	
Specification		
Mains voltage for power supply unit	100 to 240 VAC ± 10 %, 50 to 60 Hz	
Power consumption	max. 36 VA	
Dimensions light source	134 mm x 85 mm x 97 mm (l/h/w)	
Weight	0.8 kg	
Others		
Scope of delivery	Light source, control panel, power supply, microscope adapter of choice, operating instructions	
Accessories	Configuration software	

Devices-types	CRI /Peak-Wavelength	Integral luminous flux
-HighFlux	White CRI70	> 2.500 mW (800 lm)
-HighCRI	White CRI90	> 2.500 mW (700 lm)
-365	365 nm ± 5 nm	> 1.200 mW
-385	385 nm ± 5 nm	> 1.700 mW
-405	405 nm ± 5 nm	> 1.700 mW
-450	455 nm ± 10 nm	> 4.000 mW
-530	530 nm ± 10 nm	> 1.000 mW
-635	632 nm ± 7 nm	> 1.000 mW
-735	730 nm ± 15 nm	> 500 mW



View from above luxyr LED PICO | Dimensions in mm



View from the side luxyr LED PICO | Dimensions in mm

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

Contact:
Phone: +49 3641 35 30-30 | E-Mail: sales@lej.de
Your Go-To-OEM Partner **www.lej.de**