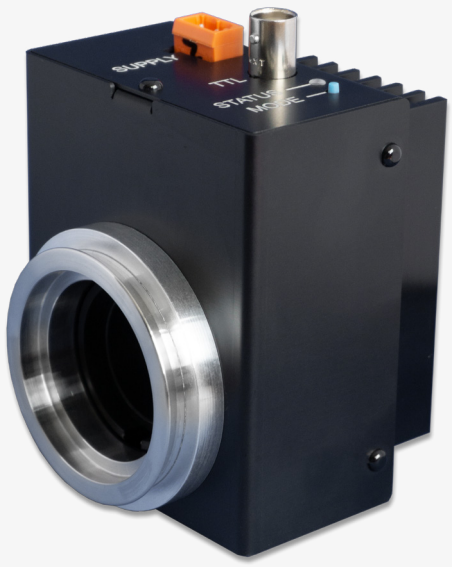
more than light®

PRODUCT DATA SHEET

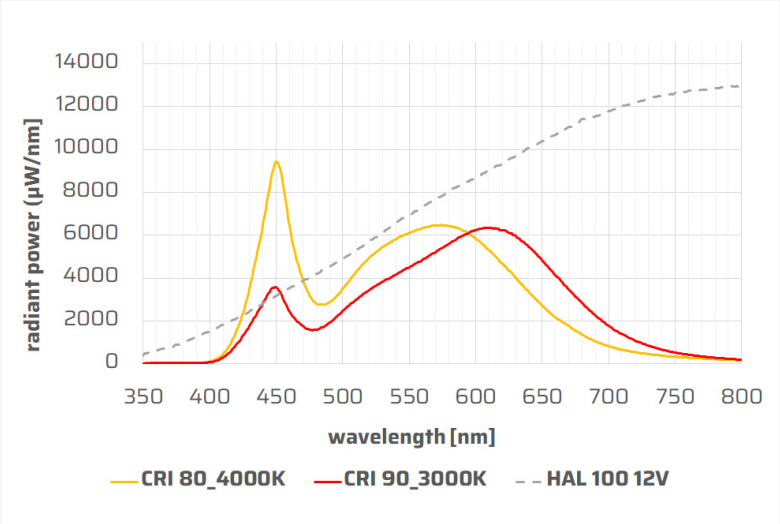
Compact VIS-LED light source

luxyr® LED NANO

Broadband high-power LED light source as
an equivalent to halogen and short-arc cold light sources



Front view luxyr LED NANO



Spectrum of luxyr LED NANO

The luxyr LED NANO is a powerful VIS-LED light source, connected and operated directly to the microscope as a plug-and-play replacement for halogen light sources.

The LED technology makes the light source an excellent alternative to classic halogen and short-arc cold light sources, as it provides a very high light intensity without generating unwanted heat or introducing it into the microscope.

PRODUCT HIGHLIGHTS

- Powerful VIS-LED light source
- Plug-and-play replacement for halogen light sources
- Simple dimming via microscope control
- LED type and color temperature selectable
- Constant color temperature
- High color rendering index
- Level-controlled switching and flashing possible

AREAS OF APPLICATION

- Brightfield microscopy
- Darkfield microscopy
- Material microscopy
- Forensic microscopy
- Multispectral imaging

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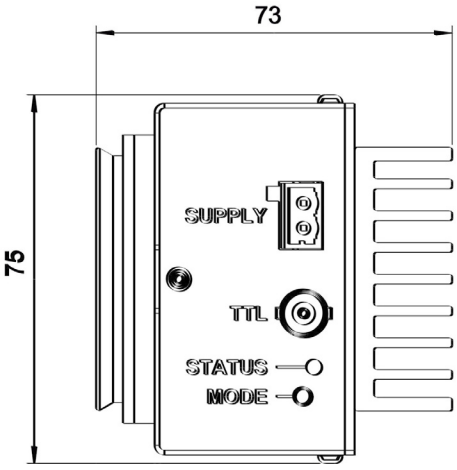
luxyr® LED NANO

Technical data

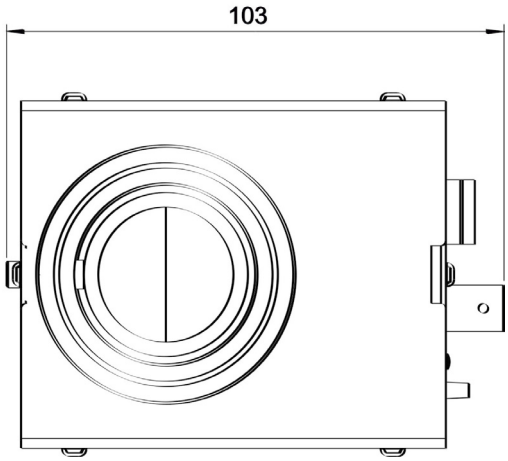
CW-Mode		
Description	Continuous operation with adjustable luminous flux	
Parameters	Light ripple	<0.5%
Follow-Mode		
Description	Level-controlled operation (TTL) with preconfigured luminous flux	
Parameters*	Rise time(t_{10-90}) + Signal runtime	10 µs + 6 µs
	Fall time (t_{90-10}) + Signal runtime	3 µs + 2 µs
Interfaces		
TTL	BNC socket for follow mode	
SUPPLY	Plug connector for power supply and brightness setting	
Optical output	Collimation optics with microscope adapter (for Zeiss, Leica, Nikon, Olympus, customized)	
Specifications		
Mains voltage for power supply unit	3 to 12 V_{DC}	
Power consumption	max. 15 VA	
Dimensions light source	103 mm x 77 mm x 73 mm (l / h / w)	
Weight	0.8 kg	
Others		
Scope of delivery	Light source, microscope adapter of choice, connector suitable for microscope, operating instructions	

Color Rendering Index (CRI)	Color Temperature (CCT)	Integral luminous flux
> 90	3000 K	300 lm
> 80	4000 K	400 lm
> 65	5700 K	500 lm

* V_{in} = 12 V_{DC}



Top view luxyr LED NANO | Dimensions in mm



Front view luxyr LED NANO | Dimensions in mm

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