more than light®

PRODUCT DATA SHEET

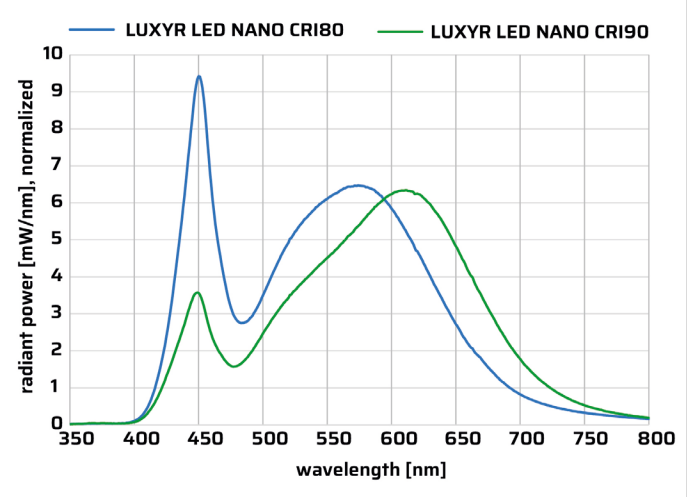
HIGHLY COMPACT, HIGH-PERFORMANCE LED VIS LIGHT SOURCE

luxyr® LED NANO

Scan me!



Front view luxyr LED NANO



Spectrum of the luxyr LED NANO variants

The LUXYR LED NANO is a modern, compact direct-fit VIS LED light source as a halogen replacement for microscopy.

With a range of 400–780 nm, two versions with CRI80 (350 lm) or CRI90 (> 280 lm), and an interchangeable microscope adapter, it can be integrated flexibly. Its silent, vibration-free operation ensures stable conditions. It is controlled via a permanently connected control panel or externally by TTL signals.

PRODUCT HIGHLIGHTS

- 1-channel VIS LED light source 400-780 nm
- CRI80 (350 lm) or CRI90 (> 280 lm)
- LED lifetime > 20,000 h, silent & vibration-free
- with interchangeable microscope adapter & hardwired control panel
- externally switchable via TTL signal

AREAS OF APPLICATION

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

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Technical data

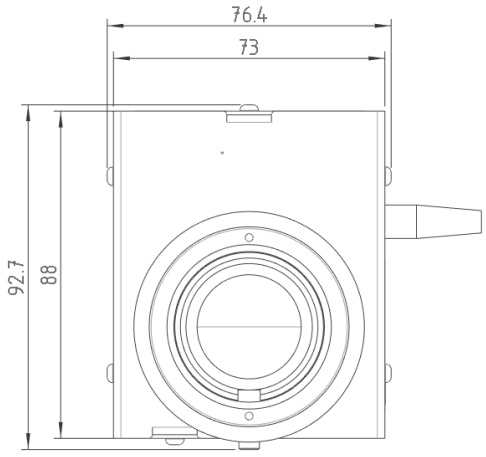
CW-Mode		
Description	Continuous operation with controllable luminous flux	
Parameters	Ripple of the light	<0.5%
Follow-Mode		
Description	Level-controlled operation (TTL) with preconfigured luminous flux	
Parameters*	Rise time (t_{10-90}) + Signal runtime	< 10 µs + < 5 µs
	Fall time (t_{90-10}) + Signal runtime	<10 µs + < 5 µs
Interfaces		
TTL	BNC socket for follow mode	
SUPPLY	Plug connector for supply	
Optical output	Collimation optics with microscope adapter (for Zeiss, Leica, Nikon, Olympus, customised)	
Specification		
Voltage supply	12 V_{DC}	
Power recording	Max. 18 VA	
Dimensions of light source	77 mm x 93 mm x 74 mm (W/H/L)	
Weight	Approx. 0.5 kg light source incl. control panel	
Other		
Scope of delivery	Light source with permanently installed control panel, microscope adapter of your choice, operating instructions, power supply unit	

Colour rendering index (CRI)	Colour temperature (CCT)	Integral luminous flux
>90	3000 K	300 lm
>80	4000 K	350 lm

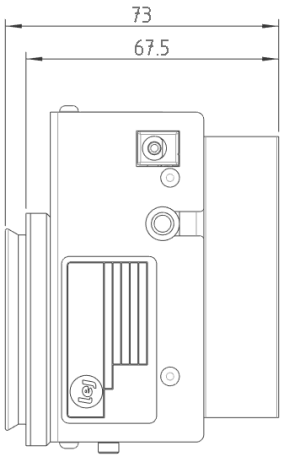
*Maximum brightness



View of luxyr LED NANO with control panel



Top view luxyr LED NANO (without control panel) II Dimensions in mm



Front view luxyr LED NANO (without control panel) II Dimensions in mm

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

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