more than light®

PRODUCT DATA SHEET

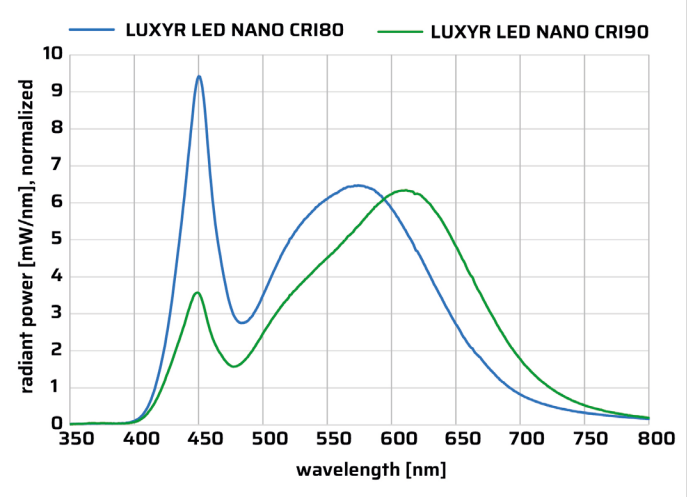
HIGHLY COMPACT, HIGH-PERFORMANCE LED VIS LIGHT SOURCE

# 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

more than light®

# luxyr® LED NANO

## PRELIMINARY | Technical data

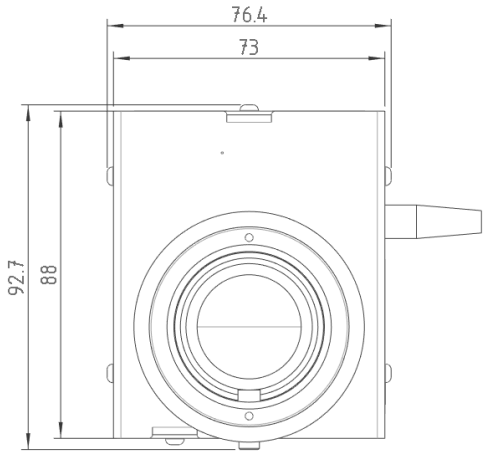
| | | |
|---|---|---|
| **CW-Mode** | | |
| Description | Continuous operation with controllable luminous flux | |
| Parameters | Ripple of the light | <0.5% |
| **Follow-Mode** | | |
| Description | Level-controlled operation (TTL) with preconfigured luminous flux | |
| Parameters* | Rise time ($t_{10-90}$) + 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 |

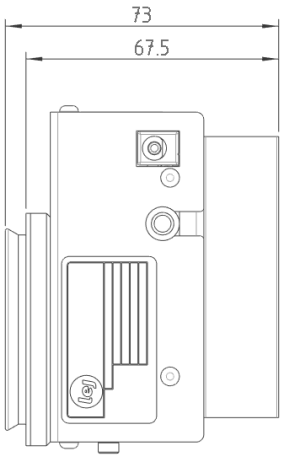
*Maximum brightness



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

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