LQ-XEAR 100DC

HIGHEST LIGHT INTENSITY ||
EXTENDED SPECTRAL RANGE UP TO 950 NM

Extension of the usable spectral range from the reflector lamps typical 650 nm to 840 nm at use of special light guides even up to 950 nm. This offers advantages in novel microscopic measuring methods. For example, nanoparticles whose optical resonance frequencies are above 600 nm or the spectroscopic evaluation of forensic samples without heat load.

HIGHLIGHTS

- Luminous flux (300 - 800 nm) typically 500 lumens
- Average lamp life 1,000 h
- Lamp and reflector as a unit, easy lamp replacement, no adjustment
- Automatic glare protection
- No heat radiation exposure of the
- illuminated object
- Motorized shutter
- 5-step dimming

APPLICATIONS

- **Microscopy**
- **Image processing**
- **Semiconductor manufacturing**
- **Material testing**
- **Endoscopy**
- **Forensic science**
- **Colorimetry**
- **Solarsimulation**
- **Spectrometry**
- **Analytics**

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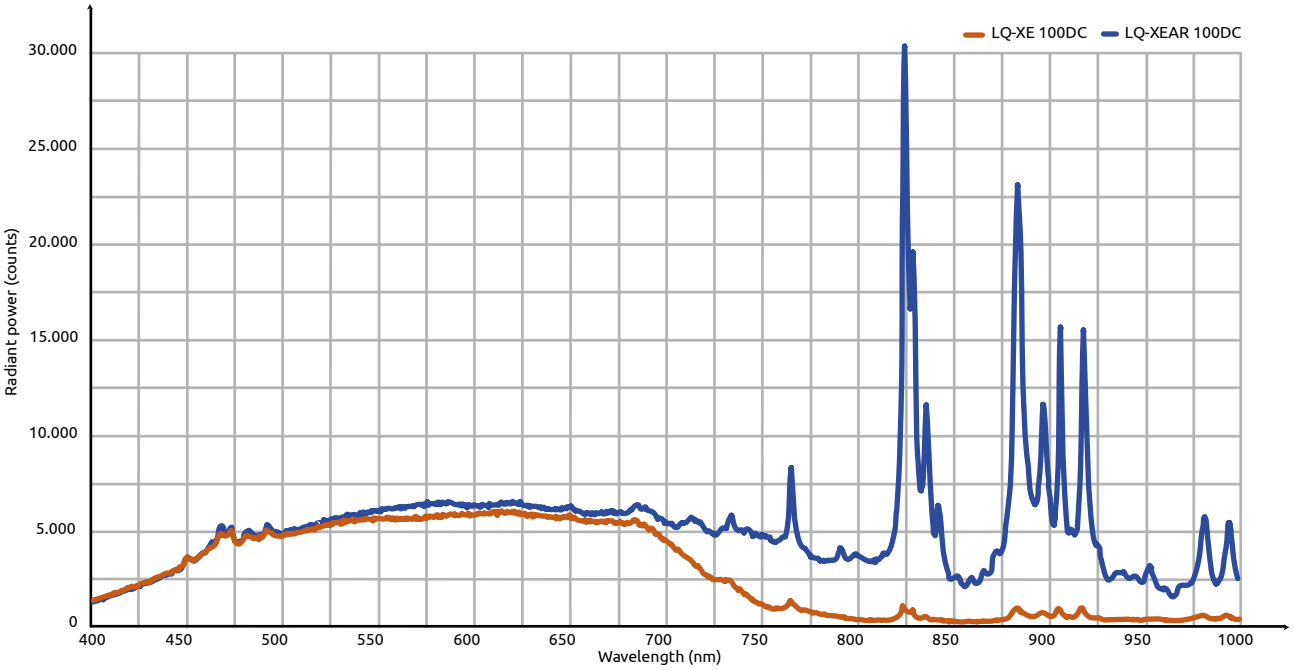
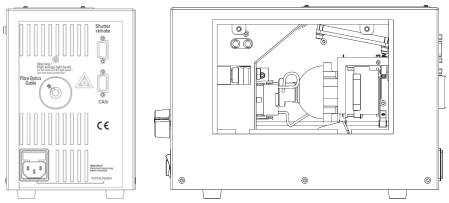


Features	
Shutter	Frequency max. 40 Hz, switching time approx. 6 ms, Control via external switch, USB or CAN bus connection
Dimming	Mechanically, 5 Steps 0 to 100%
Operating hour meter	Display lamp operation hours, resettable
Safety	Glare protection, overtemperature protection, internal safety circuit
Specifications	
Mains voltage	100 to 240 VAC ± 10 %, 50 to 60 Hz
Power input	max. 175 VA
Dimensions	
Width x height x depth	210 x 138 x 290 in mm
Weight	5,2 kg
Order	
Scope of delivery	Device with lamp, mains cable and manual
Accessories	Accessories such as replacement bulbs, fiber-optic cables and adapters can be found in the separate data sheet: **compact light sources - accessories**



Equipment options	
-3	Light guide retainer Storz long, for light guide active Ø 3 mm
-5	Light guide retainer Storz long, for light guide active Ø 5 mm
-X	Light guide retainer Multipole LUMATEC D

Order example
LQ-XEAR 100DC-3

Article No.:
12943

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