

KL 2500 LED

LED light source for fiber optics



KL 2500 LED

Highest performance for superior demand

The KL 2500 LED is the performance leader in cold light sources from SCHOTT with a LED light engine. Due to its high light output and special features it complies with all advanced requirements in life science and industrial applications of Stereo Microscopy and Macroscopy. The brightness is equivalent to a 250-Watt halogene cold light source.

All advantages of LED light sources

- no bulb changing
- low energy consumption
- ripple free DC illumination
- white light (daylight)
- no visible color temperature shift on dimming

are combined with the main advantages of fiber optics

- very high light intensity focused on a small field of view
- great flexibility of light and illumination techniques

for an outstanding price performance ratio.



General data	
Part-No.	250400
Dimensions (WxDxH)	213 x 114 x 137 mm
Weight	approx. 2.45 kg
Cooling	Silent fan
Electrical data	
Operating voltage, frequency	90 - 264 V ~ 47 - 63 Hz
Input voltage	24 V
Power Consumption	max. 80 W
Protection class	II
Overvoltage category	II
Diodes	Osram Ostar Compact
LED power rating	9 x 7 W
Average LED life time	50,000 h
Illumination data	
Luminous flux	1,000 lm
Color temperature	approx. 5,600 K
Active light guide diameter	max. 9 mm
Certification	
Approvals	CE (power supply CE, UL, PSE)
EMV-class	B



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- all basic functions including wide range power supply, continuous dimming from 0 to 100% and filter slider with two positions
- 1,000 Lumens output at light guide end (light guides with active diameter of 9 mm)
- PC controllable via USB
- connection for foot switch and remote control
- intensity control at three sensitivities (fine, standard and coarse tuning)
- LCD display indicates brightness setting, operation mode, or error code
- electronic shutter function



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