



CLS 4500 HIGH CRI

ZLED CLS 4500 HIGH CRI high-performance cold light source with a typical colour rendering index of 90 particularly suited for life science applications

The CLS 4500 HIGH CRI generates light with a colour temperature of approx. 5,400 K, similar to daylight, and a luminous flux of up to 450 lumens at the end of the fiber light guide. These characteristics give the cold light source a similar lighting performance as a 150-watt halogen cold light source, and also provide

all the advantages of modern LED technology, including a LED service life of approximately 50,000 hours and 70% lower electricity consumption. In addition, the light source has a filter slider with three positions and a foot switch interface.

ALL USER BENEFITS AT A GLANCE

- Brightness equivalent to a 150 W halogen cold light source with up to 70% lower running costs
- Maintenance-free due to the long service life of the LED (approx. 50,000 h)
- 5 years guarantee for the illuminant
- Low drift of colour temperature
- Safety shut-down if light guide is removed
- Optimized light guide socket allows use of light guides with 9 mm and 10 mm endferrule diameter
- Filter slider with three positions (two filters and one free position)
- Ultra-low-noise fan
- Internal power supply unit (100–240 V) allows worldwide use
- All devices are supplied calibrated

TECHNICAL DATA

	CLS 4500 HIGH CRI
Illuminant	High-Power-LED white
LED life service	approx. 50,000 h ¹⁾
Luminous flux	450 lm at the end of fibre ¹⁾
Colour temperature	comparable to daylight, ca. 5,400 K
Brightness control	potentiometer 0-100%
Interfaces	footswitch
Housing	IP 20 plastic
Cooling	active via ultra-low-noise axial fan
Weight	approx. 3.1 kg
Dimensions	192 x 118 x 241 [mm] (W x H x L)

¹⁾ active fibre diameter 9 mm

²⁾ max. decline of light output to 70% of original level

APPLICATIONS

- Microscopy/macroscope
- Life sciences
- Technical endoscopy
- Machine Vision



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