



ZLED CLS 9000 MV-W | ZLED CLS 9000 MV-R

LED high-performance light source ZLED CLS 9000 MV white and red in a compact and robust metal housing purpose-built for industry/machine vision

With the ZLED CLS 9000 MV-W we are able to generate light which is similar to daylight and offers a luminous flux of approximately 900 lumens at the end of the fiber¹⁾. The ZLED CLS 9000 MV-R produces red light with a wavelength of 625 nm. The light source

can be controlled via different interfaces and can also be driven in pulse mode or strobe mode. Due to adapters all types of commercial light guides can be used in the universal light guide holder.

ALL USER BENEFITS AT A GLANCE

- Brighter output than a 250 W halogen cold light source with up to 70% lower running costs
- Universal fibre socket
- Adaptation of common fibres through adapters
- Maintenance-free due to the long service life (5 years guarantee for the illuminant)
- User safety because light is automatically switched off when the light guide is removed
- Intensity settings can be stored in 6 memory settings
- Internal wide-range power supply (90-264 V; 50-60 Hz)

APPLICATIONS

- Microscopy
- Technical Endoscopy
- Machine Vision
- Inspection / Surface inspection



TECHNICAL DATA

CLS 9000 MV	
Illuminant	High-Power-LED white or red
LED life service	approx. 50,000 h ²⁾
Luminous flux	approx. 900 lm at the end of the fibre ¹⁾ with white LED, 350 lm with red LED
CCT	approx. 6,200 K with white LED
Brightness control	can be varied from fine increments of 1% up to larger steps of 5% via incremental encoder or PC; fast settings in 20% steps
Interfaces	Trigger In 5–24 V, USB, RS232, footswitch
Pulse and Strobe mode	Can be controlled via Software or voltage signal; max. frequency 10 kHz; min. switch on / switch off width 20 µs; delay adjustable; overcurrent of LED possible in flash mode
Housing	Aluminium anodized, IP 20
Cooling	Active via ultra-low-noise fan
Weight	approx. 3 kg
Dimensions	235 x 148 x 108 [mm] (L x W x H)

1) active fibre diameter 9-13 mm

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

Further informationen at www.zett-optics.com/en/produkte



ZETT OPTICS GmbH

Saarbrückener Straße 263
38116 Braunschweig | Germany
info@zett-optics.com
www.zett-optics.com

Telephone: +49 531 59 004 - 0
Telefax: +49 531 59 004 - 88

Part of ZETT GROUP
www.zett-group.com