ColdVision MC-LS LED Light Source

for stereo microscopy applications

As the standard LED fiber optic light source in the SCHOTT ColdVision range, the MC-LS delivers exceptional light output from its high-brightness LED engine. Developed for stereo microscopy, the design of the light source makes it highly suitable for desktop usage, where its USB port can easily connect to application software systems.

Features

- Can be controlled by digital remote control via USB port (virtual RS232) or built-in 9-pin connector (analog)
- Wide range of power supplies, all compliant with international standards
- Continuous dimming from 0-100%
- Temperature monitoring for protection of the LED light engine

Advantages

- Robust industrial design with a small footprint and ultra-quiet operation
- High resistance to vibration and shock
- Long-life, high-efficiency, maintenance-free LED light engine
- Low power consumption
- Over 10% higher output than EKE halogen light sources[2]
- Stable light output with minimal variation in color temperature
- ETL approved, RoHS compliant
- Compatible with ColdVision light guides

Technical Specifications

General		
Part No.		A20990
Dimensions (W x D x H)	(mm) / (inch)	145 x 158 x 98 / 5.7” x 6.2” x 3.9”
Weight	(kg) / (lbs)	2.0 / 4.62
Cooling		Ultra low-noise fan
Electrical		
Operating voltage, frequency		100 – 240 V ~, 50 – 60 Hz
Input voltage	(V)	24
Power consumption	(VA)	max. 60
Protection class power supply		I
Protection class light source		III
Overvoltage category		II
Lamp type		High power COB module
Lamp lifetime	(h)	50,000[1]
Light output		
Luminous flux	(lm)	850[2]
Color temperature	(K)	5,400
Active light guide diameter	(mm) / (inch)	Max. 13 / max. 0.51”
Certificates		
Conformity		ETL, CE
EMC-class		A

1 max. decline of light output to 70% of origin level
2 Light sources compared at the output of a SCHOTT ColdVision fiber optic light guide, Ø13mm active, length 1m (A08051.40 bundle), 23°C ambient, typical output

Accessories

Power cord 1.8 m	
EU Plug: IEC-C13 to CEE 7/7	H09063.028
US Plug: IEC-C13 to NEMA 5-15	H09063.026
UK Plug: IEC-C13 to BS 1363	H09063.027

Note: country specific power cord must be ordered separately!

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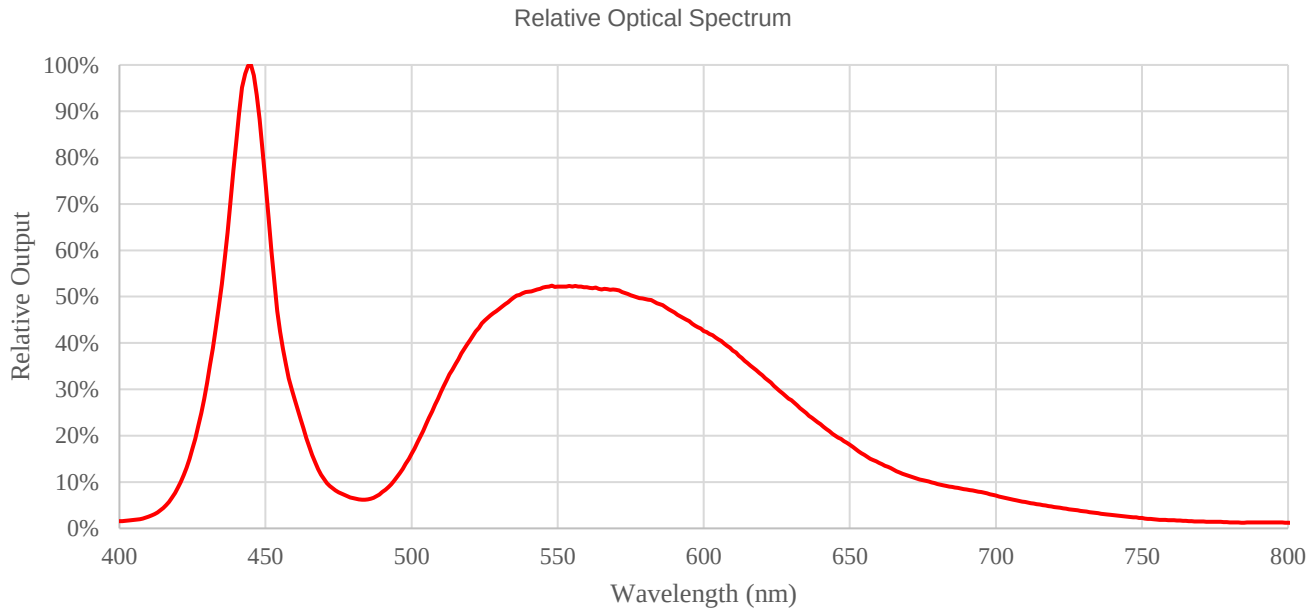
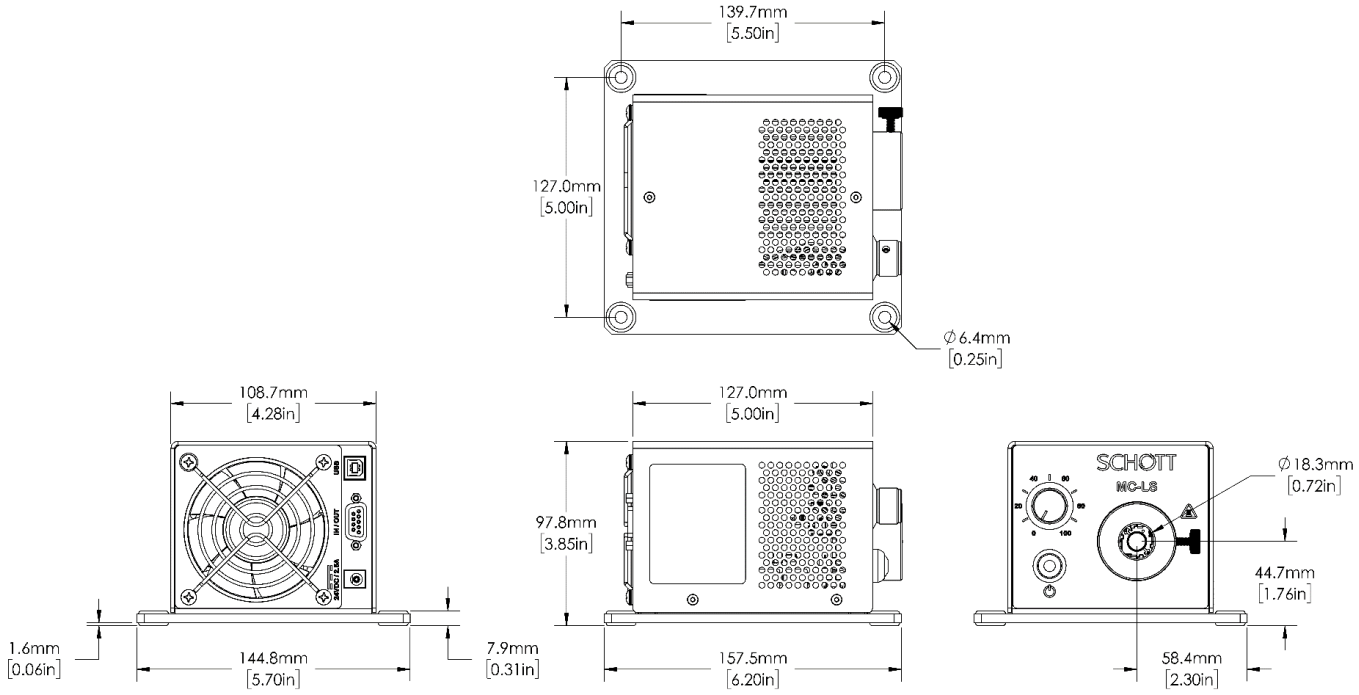
Illumination Characteristics



Dimensions



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