

ColdVision CV-LS LED Light Source

for machine vision applications



The CV-LS light source is the flagship of the SCHOTT ColdVision series, offering high efficiency output in a compact footprint with versatile connectivity. This connectivity makes it ideal for machine vision applications, while the high brightness LED light engine greatly increases light output – far beyond 150 W EKE halogen lamp levels for the cool white model.

Features

- Internal light feedback stabilization.
- Fast triggered strobe (25µs rise time, 1µs precision).
- Analog and digital remote control: USB (Virtual RS232), RS232, Dual Ethernet, Multiport-Wide range power supply according to international standards.
- Cool White, Warm White, and RGBW models are available.

Advantages

- All connectors come with retention mechanisms.
- High resistance to vibration and shock.
- ESD immunity.
- Maintenance-free LED engine with 50,000 operating hours.

Technical Specifications

Color	Wavelength CCT	Light Output ²	Part No. ¹	Active light guide diameter
Cool White	6000K	1350lm ⁴	A20980/6000K	Max. 13 mm / 0.51" inch
Warm White	3000K	900lm	A20980/3000k	
Red Ch.	625nm	130lm	A20980/RGBW	
Green Ch.	530nm	250lm		
Blue Ch.	460nm	70lm		
White Ch.	6300K	400lm		

General		
Dimensions (W x D x H)	(mm) / (inch)	129 x 201 x 59,69 / 5.08" x 7.93" x 2.35"
Weight	(kg) / (lbs)	Approx. 0,816 / 1.8
Cooling		Fan

Certificates	
Conformity	
EMC-class	A

Electrical		
Operating voltage, frequency		100 – 240 V ~, 50 – 60 Hz
Input voltage	(V)	24
Power consumption	(VA)	max. 120
Protection class power supply		I
Protection class light source		III
Overvoltage category		II
Lamp type		24 High power LED
Lamp lifetime	(h)	50,000 ³

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

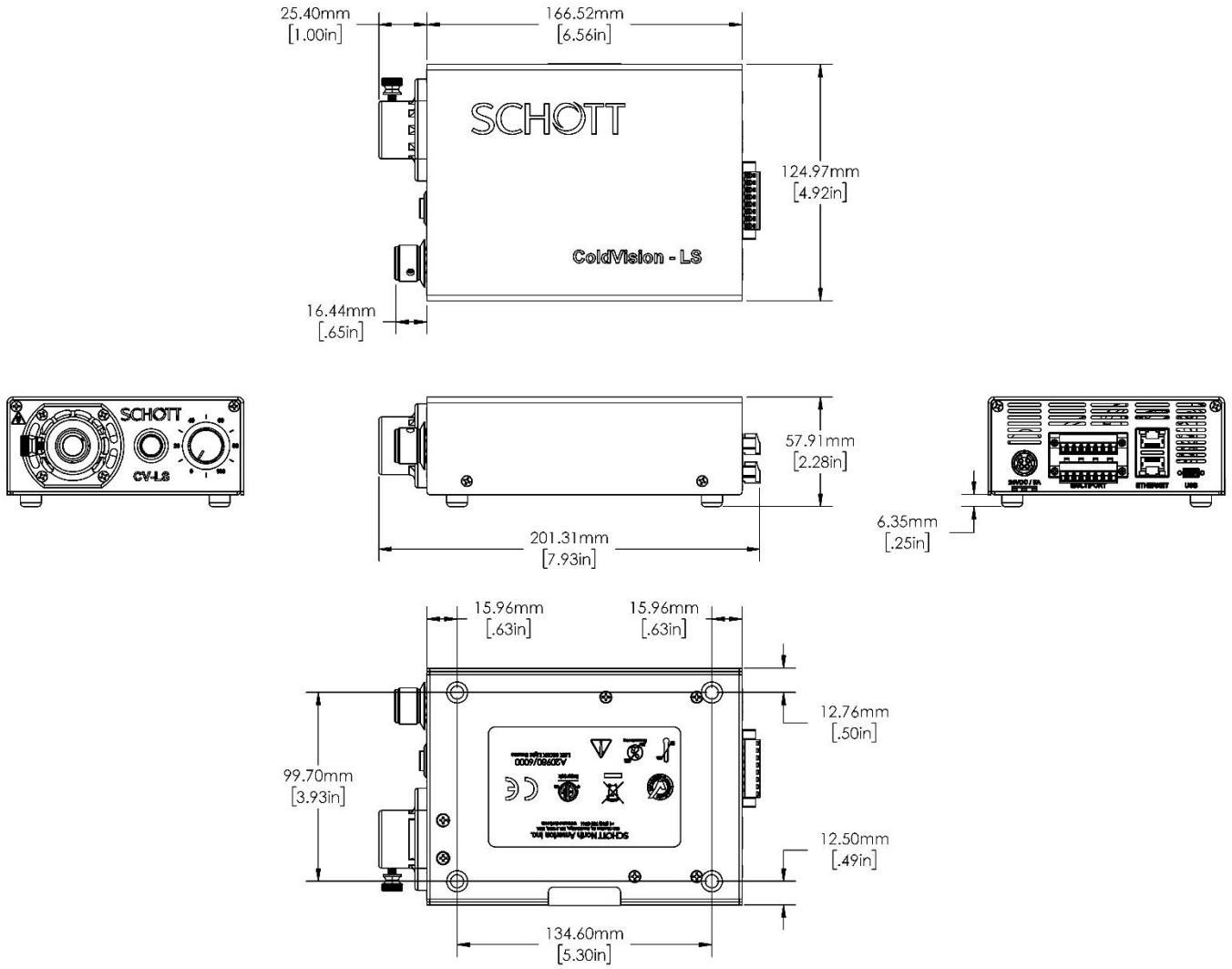
Note: country specific power cord must be ordered separately!

1 Full part numbers will also specify power supply cord type.
 2 Measured using a SCHOTT fiber optic light guide, Ø 13 mm active, length 1 m (A08051.40 bundle), 23C ambient, typical output
 3 max. decline of light output to 70% of origin level
 4 Default Setting 1100lm

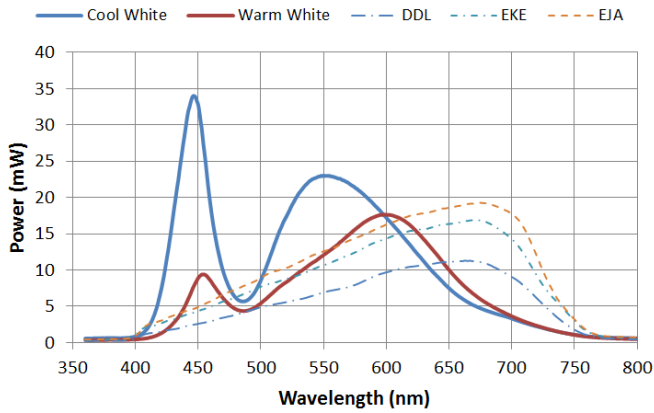
We provide a variety of accessories for our ColdVision Series.
 For details; please refer to our system diagrams or according datasheets.



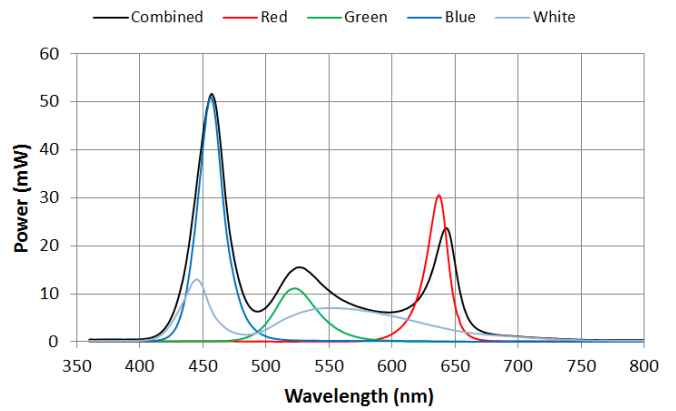
Dimensions



Relative Optical Spectrum of CV-LS vs Halogen Light Sources



RGBW Optical Spectrum



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