

specification



steropes
halogen light source

 **admesy**
ADVANCED MEASUREMENT SYSTEMS



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1 Steropes: Halogen light source

Obtaining good measurement results requires good and stable lighting. With this in mind Admesy developed the Steropes Halogen light source, which is a stable, accurate light source controlled by a current stabilisation circuit.

With the Steropes halogen the user is certain to have a light output at $\pm 0,1\%$ / $^{\circ}\text{C}$ accuracy. Combined with our colorimeters or spectrometers the stabilized light of the Steropes offers the best measurement results.

The Steropes Halogen is currently available with Admesy's M8 fixed position fibre connector for connecting with reflective probes, fibress and other accessories and as calibration version.



2 Highlights

- Ultra-stable light source with internal current regulation
- USB and RS232 communication interfaces controlled light output
- USBTMC standard device, works with NI-VISA or other USBTMC compliant drivers
- Stand-alone mode available
- Mechanical shutter
- Optional blue enhanced light output
- Standard, long life or high power mode
- Standard in 20W





3 General specifications

Interfaces	
USB 2.0	USBMTC compliant, SCPI command set, full speed device
RS 232	For PC and embedded purposes, using same command set as USB
Trigger in	5V compliant

Power ratings				
	Min voltage	Typical voltage	Max voltage	Max current
USB power	4.75V	5.00V	5.25V	1mA ¹
24V power	20V	24V	36V	1500mA

System information	
Size (HxWxD)	60 x 80 x 117 mm ²
Weight	700 gram
Mounting	4 M3 threat holes on top, bottom and front
Wavelength range	360 – 2600 nm
Colour temperature	2900K
Colour temperature with blue enhanced filter	5350K
Stability	+/- 0.1% / °C
Time to stabilize	App. 10 minutes
Temperature range	5 – 40 °C
Source lifetime	1000 hours
Optical power M8 fiber	30mW ³
Optical power M8 fiber with blue enhanced filter	6mW ³
Optical power calibration	75mW ³

¹ No power through USB, only communication

² Without optical system

³ Optical power measured from 350-1100nm

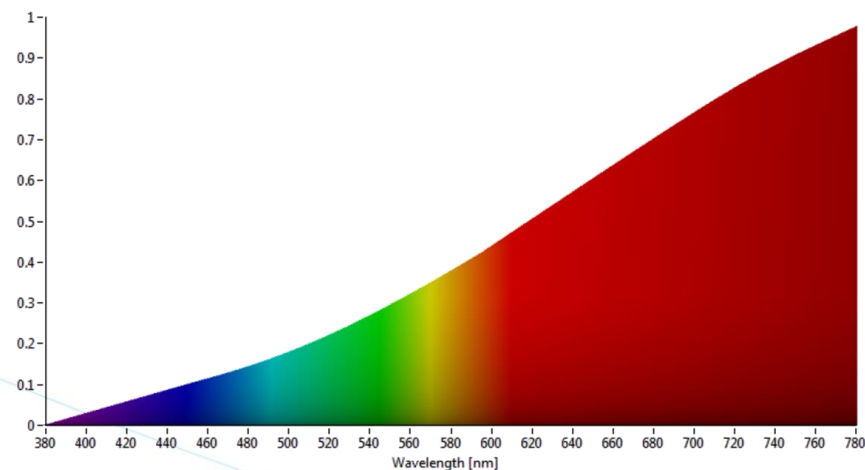


Figure 1 Steropes halogen spectral output.

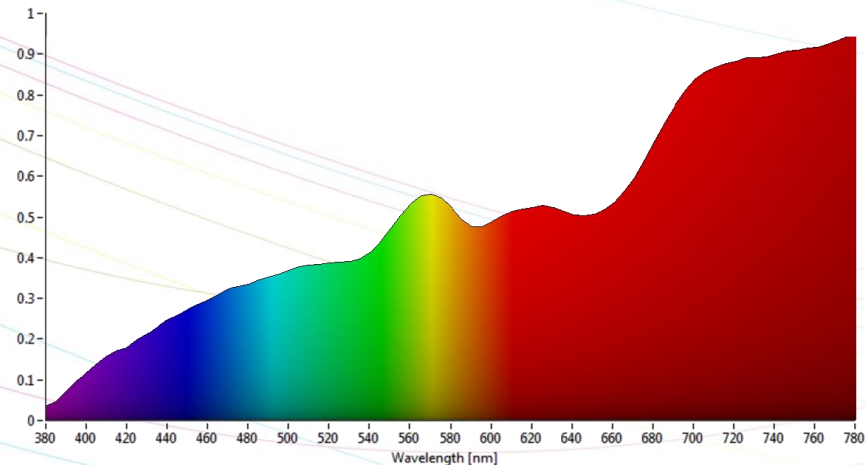
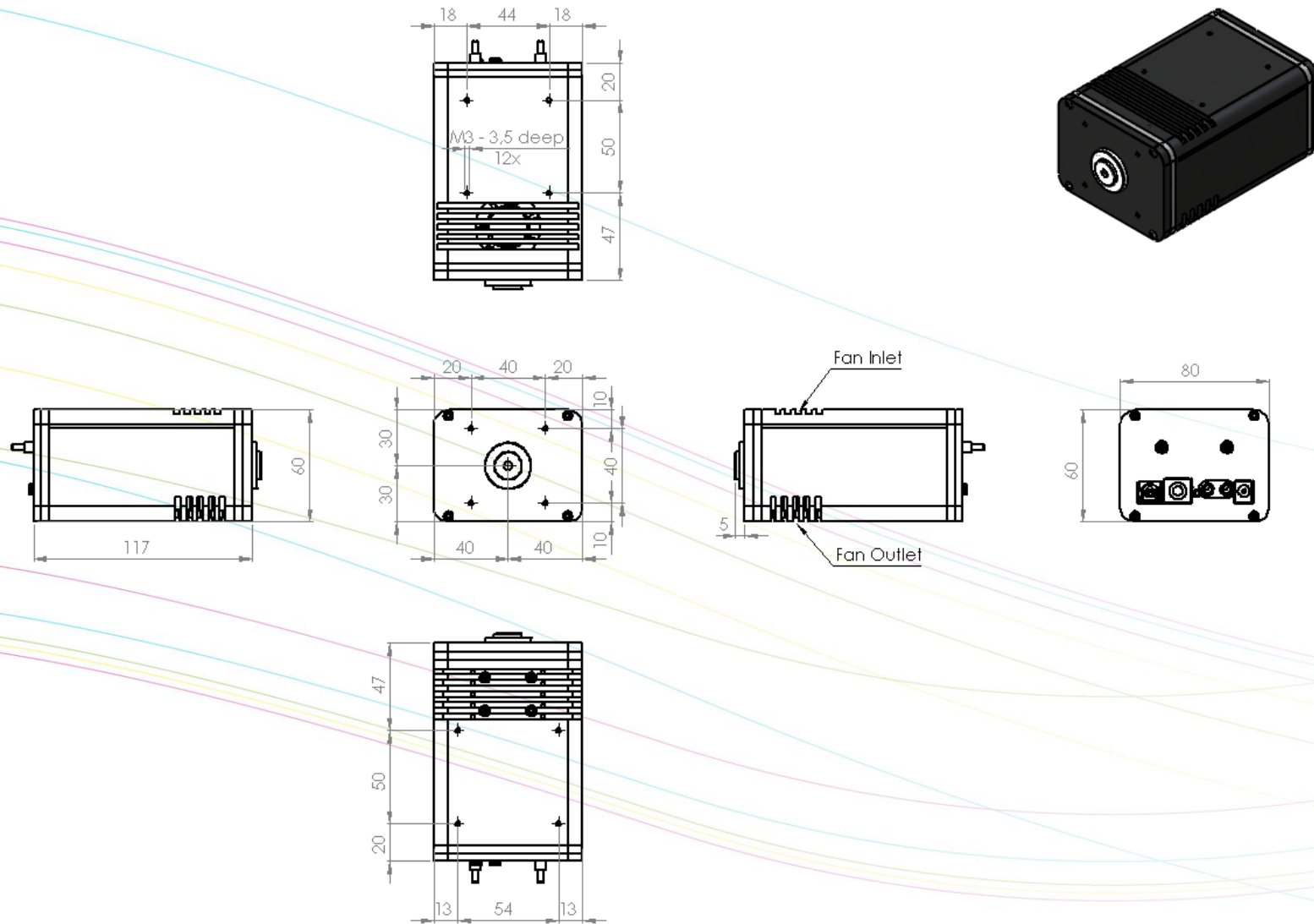


Figure 2 Steropes halogen blue enhanced spectral output.

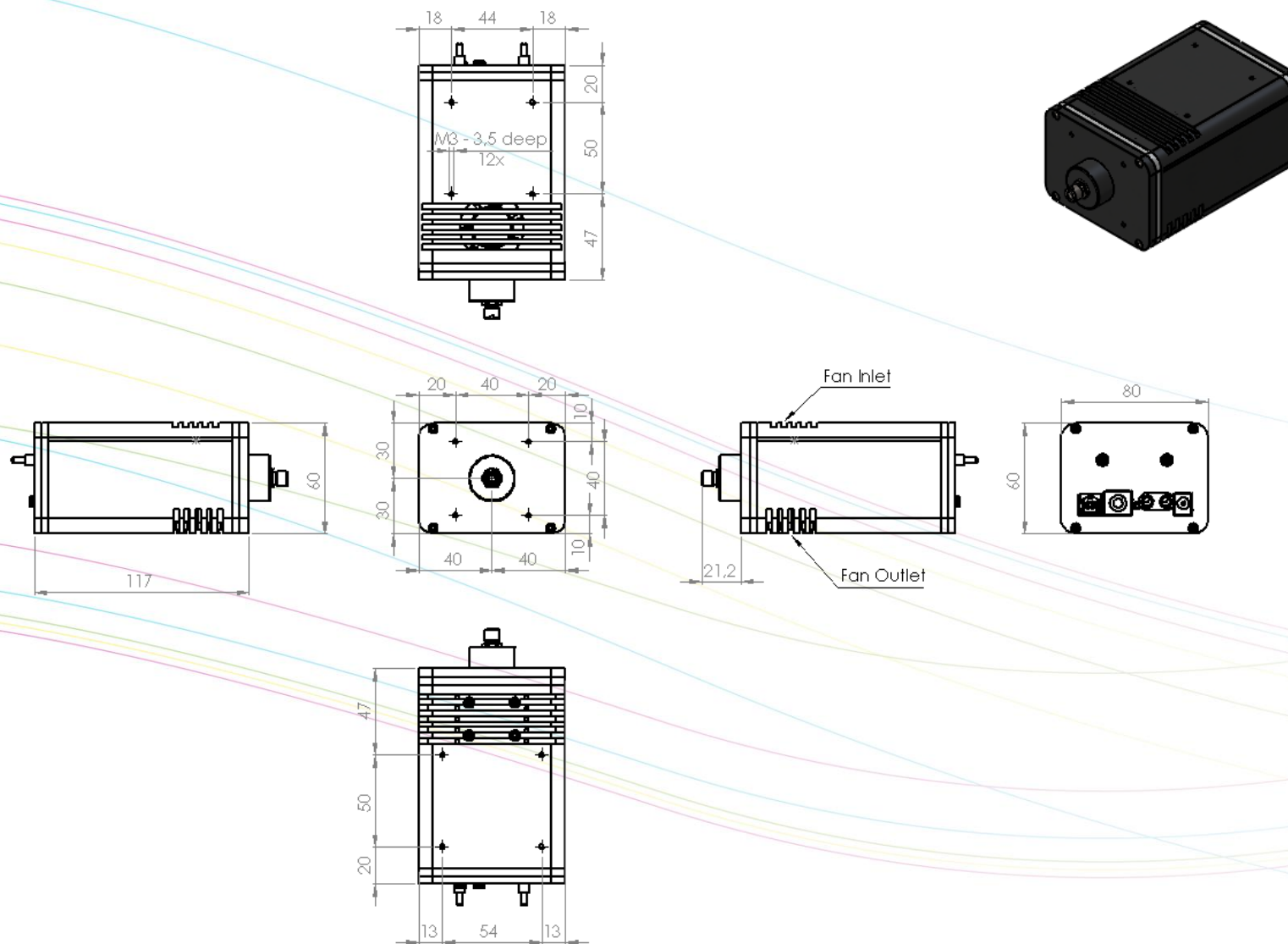


4 Steropes Halogen calibration dimensions





5 Steropes Halogen M8 dimensions





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