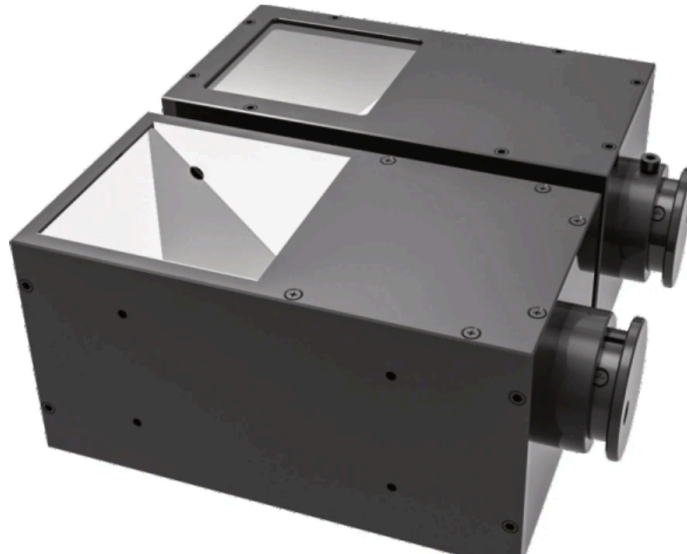


Coaxial parallel light (COPS series)

LS-COPS series · Coaxial lights · 5 models



Coaxial parallel light with high brightness, high uniformity and a high degree of parallelism.

Features

- High brightness
- High uniformity
- High degree of parallelism

Applications

- Smooth surface scratch inspection
- Surface bump inspection
- Glue inspection
- Dimension measurement
- Screen skewing inspection
- Inspection of raised characters, scratches and other defects
- Inspection of flat hardware surface indentation, scratches and other defects
- Plane reflective object scratch and bump inspection

Colours

R	620-630 nm
G	520-530 nm
B	465-475 nm
W	6000-6500 K
IR	850-940 nm
UV	365-405 nm

Common specifications

Wavelength red	620-630 nm
Wavelength green	520-530 nm
Wavelength blue	465-475 nm

Colour temperature white	6000-6500 K
Wavelength IR	850-940 nm
Wavelength UV	365-405 nm
Storage temperature	20 to 60 °C
Operating temperature	0 to 40 °C
Humidity	20-85 %RH (non-condensing)
Optional accessories	Extension cable
Controller	LS-CPL0520A-4TD
Service life	Red: 60000 h continuous at 25 °C and 50% illumination until 50% decrement; white: 30000 h under the same conditions
Warranty	1 year free maintenance or replacement for faults not caused by the user
Cable length	500 mm (drawings)

Ordering code: LS-COPS<luminous size mm: side for square, L-W for rectangle>-<R/G/B/W> (e.g. LS-COPS40-R); 'G' in G means overseas version

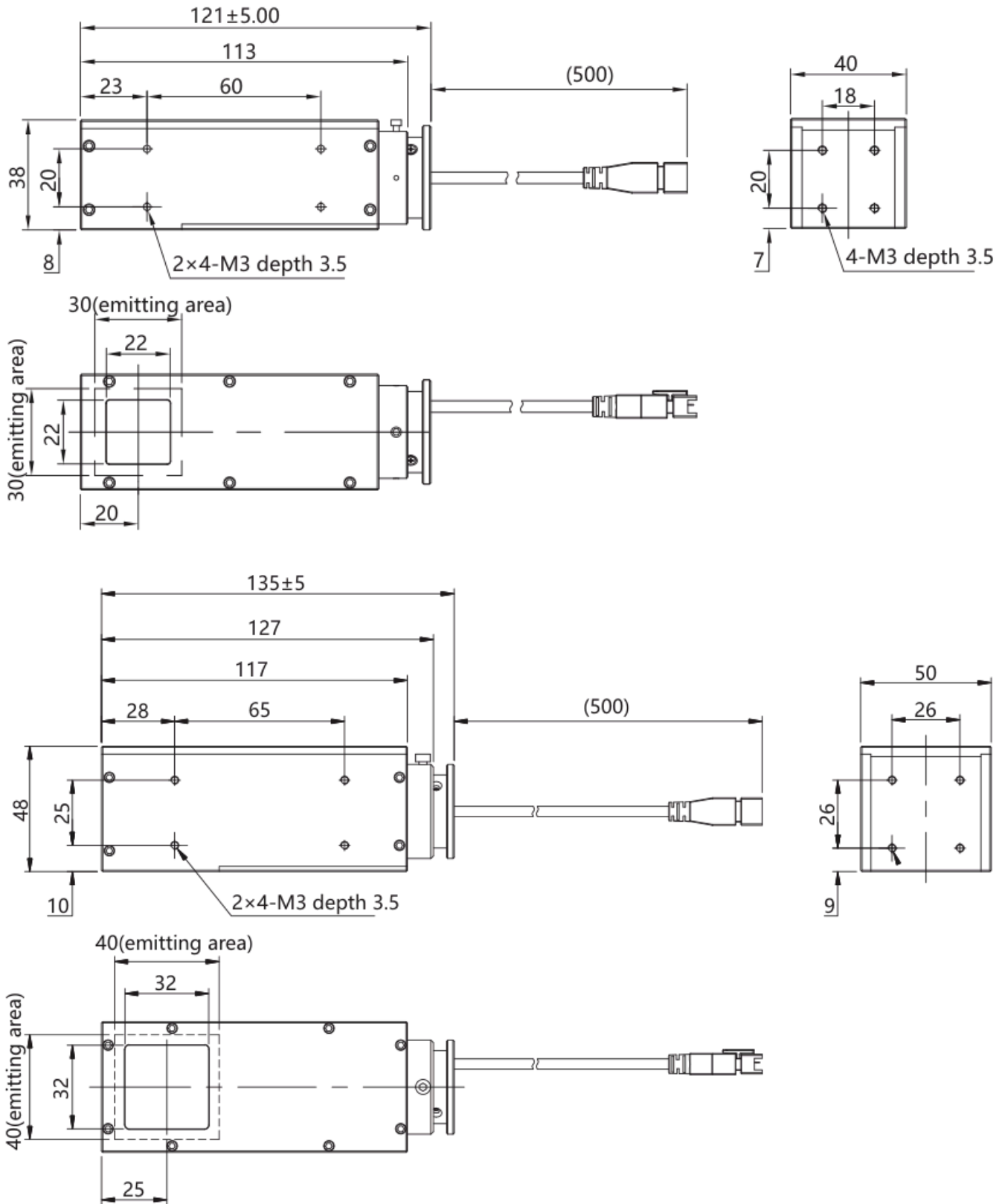
Models

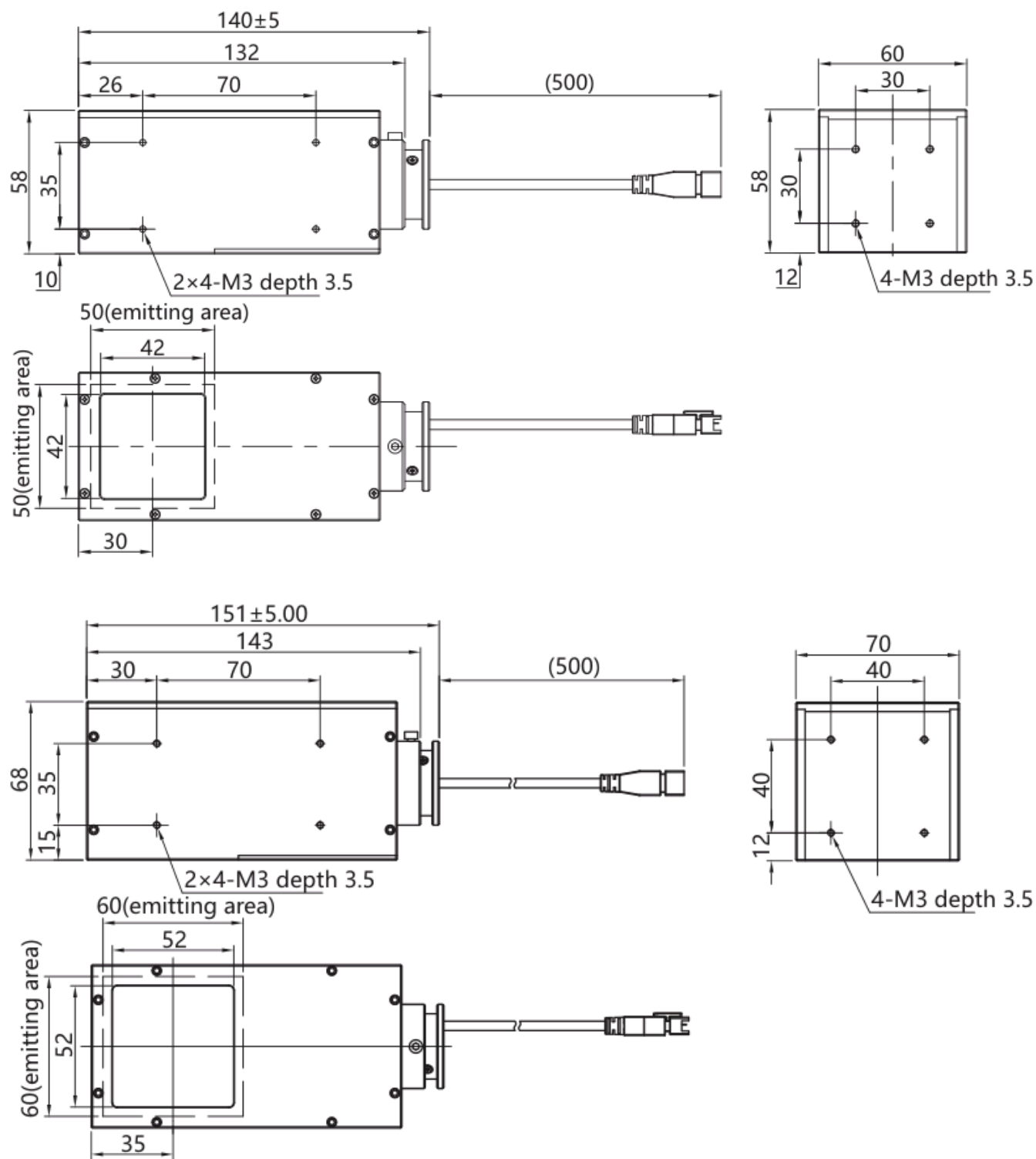
Model	Item	Emitting area (mm)	L (mm)	W (mm)	H (mm)	Recommended controller
LS-COPS30-R/G/B/W colours: R, G, B, W	1	30 x 30	121	40	38	LS-CPL0520A-4TD
LS-COPS40-R/G/B/W colours: R, G, B, W	2	40 x 40	135	50	48	LS-CPL0520A-4TD
LS-COPS50-R/G/B/W colours: R, G, B, W	3	50 x 50	140	60	58	LS-CPL0520A-4TD
LS-COPS60-R/G/B/W colours: R, G, B, W	4	60 x 60	151	70	68	LS-CPL0520A-4TD
LS-COPS80-R/G/B/W colours: R, G, B, W	5	87 x 82	255	94.3	93	LS-DPS, LS-APS, LS-SPS

More values per model (Power R (W), Power G/B/W (W)) are on each product page.

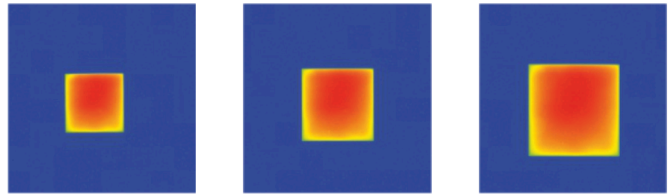
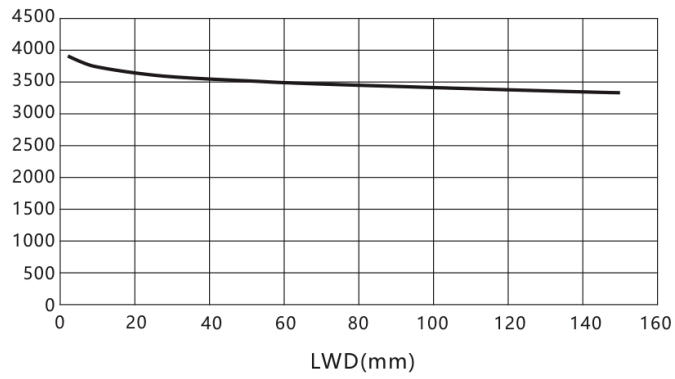
Dimensions







Performance



Product views

