

Coaxial light source (CO)

LS-CO-K series · Coaxial lights · 23 models

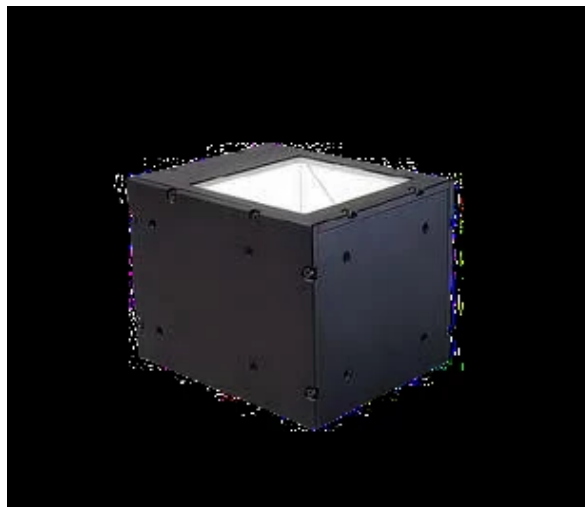
Coaxial light giving clear imaging with high brightness and uniform coaxial illumination; highlights uneven surface textures and overcomes interference from surface reflection. Mainly detects scratches, dents, cracks and foreign objects on smooth, flat objects.

Features

- Clear imaging, high brightness, uniform coaxial illumination
- Highlights uneven surface textures, overcoming interference caused by surface reflection
- Detects scratches, dents, cracks and foreign objects on smooth and flat objects
- Size can be customized according to different needs

Applications

- Scratches, dents and defects on reflective surfaces
- Character, pattern, QR code and barcode recognition
- Appearance inspection of smooth-surface products, mark point positioning of FPCs, sheet metal positioning and identification
- Chip edge positioning
- Character recognition



Colours

R	Red
G	Green
B	Blue
W	White
IR	Infrared
UV	Ultraviolet

Common specifications

Voltage	24 V DC (12 V on request)
Cable length (mm)	500

Ordering code: LS-CO<emitting surface>-<colour> (e.g. LS-CO13-R; R/G/B/W/IR/UV)

Models

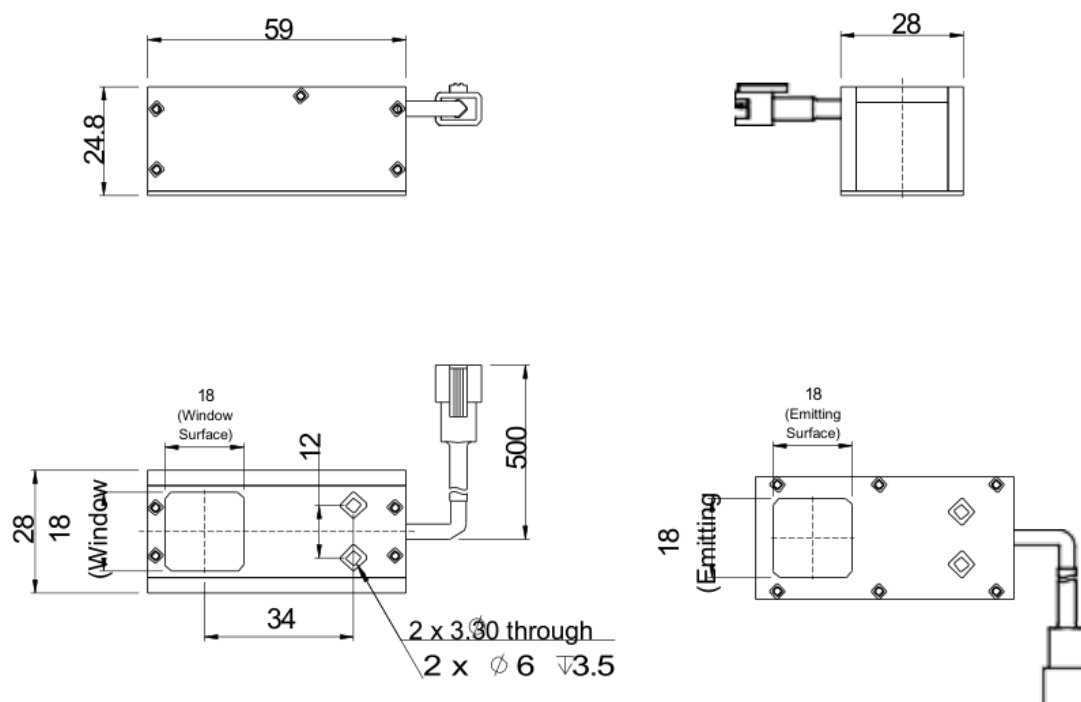
Model	Overall length (mm)	Overall width (mm)	Power red (W)	Power white/blue/green (W)	Window surface (mm)	Emitting surface (mm)	Overall height (mm)
LS-CO13-Z colours: R, G, B, W, IR, UV	32	28	0.5	0.4	12 x 12	13 x 13	23

Model	Overall length (mm)	Overall width (mm)	Power red (W)	Power white/blue/green (W)	Window surface (mm)	Emitting surface (mm)	Overall height (mm)
LS-CO18 colours: R, G, B, W, IR, UV	59	28	1.3	1.7	18 x 18	18 x 18	24.8
LS-CO25 colours: R, G, B, W, IR, UV	61	33	1.5	1.9	21 x 21	27 x 25	31
LS-CO25-Z colours: R, G, B, W, IR, UV	61	33	1.5	1.9	21 x 21	-	33
LS-CO30 colours: R, G, B, W, IR, UV	66	38	0.5	1.6	26 x 26	32 x 30	36
LS-CO40 colours: R, G, B, W, IR, UV	80	46	1.3	2	34.1 x 34.1	42 x 38	47
LS-CO50 colours: R, G, B, W, IR, UV	86	61	1.8	2.4	43.2 x 43.2	52 x 53	56
LS-CO60 colours: R, G, B, W, IR, UV	94	68	2.5	7.2	48.2 x 48.2	62 x 60	66
LS-CO70 colours: R, G, B, W, IR, UV	100	78	5	9.6	50 x 50	74 x 69	77.5
LS-CO80 colours: R, G, B, W, IR, UV	116	89	8.5	11	66 x 66	80 x 80	86
LS-CO90 colours: R, G, B, W, IR, UV	125	98	9.8	12	84 x 78	95 x 88	99
LS-CO100 colours: R, G, B, W, IR, UV	136	109	12	14.7	79 x 79	102 x 100	106
LS-CO120 colours: R, G, B, W, IR, UV	155	128	17.2	21.5	113 x 106	125 x 119	129
LS-CO130 colours: R, G, B, W, IR, UV	164	139	19.9	24.8	100 x 100	132 x 130	136
LS-CO150 colours: R, G, B, W, IR, UV	184	159	23.7	29.3	120 x 120	152 x 150	156
LS-CO170 colours: R, G, B, W, IR, UV	204	179	30.3	35.8	139 x 139	172 x 170	176
LS-CO50100 colours: R, G, B, W, IR, UV	116	86	8.6	15	30.3 x 100.3	52 x 108	56
LS-CO50130 colours: R, G, B, W, IR, UV	141	86	9	9	43 x 123	52 x 133	56
LS-CO75120 colours: R, G, B, W, IR, UV	129	105	10.5	11	62 x 100	75 x 120	80

Model	Overall length (mm)	Overall width (mm)	Power red (W)	Power white/blue/green (W)	Window surface (mm)	Emitting surface (mm)	Overall height (mm)
LS-CO80180 colours: R, G, B, W, IR, UV	188	112	9.8	16	67 x 170	80 x 180	84
LS-CO100200 colours: R, G, B, W, IR, UV	209	136	10.6	17	85 x 181	102 x 200	106
LS-CO200250 colours: R, G, B, W, IR, UV	260	238	25.2	31	154 x 194	202 x 252	206
LS-CO250260 colours: R, G, B, W, IR, UV	300	276	26	33	250 x 250	-	268

Dimensions

02



LS-CO18

Product views

