

Coaxial line scan light, fan cooled (2COXL)

LS-2COXL series · Line scan lights · 12 models



Coaxial line scan light with a special structure and optical lens design, good uniformity, good stability and high heat dissipation performance.

Features

- Special structure and optical lens design
- Good uniformity
- Good stability and high heat dissipation performance
- Stability design: fan can be dismantled independently; aviation connector; low production cost, high luminance; can be switched to a line scan light in a short time
- Option: diffuser plate to reduce lamp shadow and glare when imaging reflective workpieces
- Customizable: heat dissipation method, length, colour & colour temperature, cable length, installation method

Applications

- PCB inspection
- Mobile screen inspection
- Steel plate inspection
- Glass scratch inspection
- Display screen surface defect inspection

Colours

R	620-630 nm
G	525-530 nm
B	465-470 nm
W	6600 K

Common specifications

Cooling	Fan cooling
Peak wavelength / colour temperature	Red 620-630 nm, Green 525-530 nm, Blue 465-470 nm, White 6600 K (colour temperature)
Adapted controller	High power constant voltage controller LS-2APC; high power constant current controller LS-DPA

Voltage	24 V / 48 V DC (by length)
Cross-section (mm)	59 W x 161.5 H (156.3 / 116.3 side view)
Emitting width (mm)	28
Mounting	2x4-M5 depth 6
Option	Diffuser plate
Operating environment	Temperature 0-50 °C, humidity 20-85% (non-condensing)
Life-span	50000 h (to 50% of factory-default luminance)
Extension cable options	PVC extension cable (flexible, bend and heat resistant, for use inside equipment); high-flexibility extension cable (harder and more abrasion resistant than PVC, for drag-chain production lines)
UV / IR	UV & IR light can be customized as required
Emitting length range (mm)	84-884
Recommended working distance	30-500 mm
FOV	1-750 mm

Ordering code: LS-2COXL<overall length>-<R/G/B/W/IR/UV>

Models

Model	Overall length (mm)	Voltage (V)	Power (W)	Weight (g)	Drawing no.	Common model	Emitting length (mm)
LS-2COXL100 colours: R, G, B, W	100	24	36	839	1	Y	84
LS-2COXL140 colours: R, G, B, W	140	24	54	1079	1	Y	124
LS-2COXL180 colours: R, G, B, W	180	24	72	1394	1	Y	164
LS-2COXL220 colours: R, G, B, W	220	24	90	1696	1	Y	204
LS-2COXL260 colours: R, G, B, W	260	24	108	2005	1	Y	244
LS-2COXL300 colours: R, G, B, W	300	24	126	2263	1	Y	284
LS-2COXL340 colours: R, G, B, W	340	24	144	2621	1	Y	324
LS-2COXL380 colours: R, G, B, W	380	24	198	2818	1	Y	364
LS-2COXL420 colours: R, G, B, W	420	24	216	3150	1	Y	404
LS-2COXL460 colours: R, G, B, W	460	24	234	3547	1	Y	444

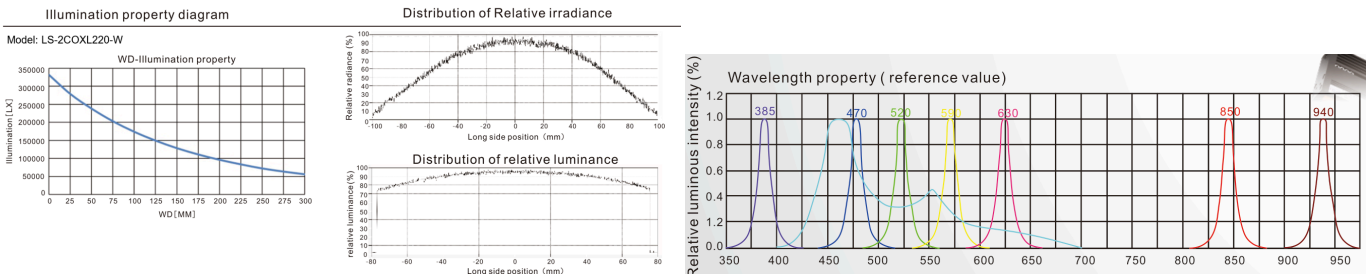
LS-2COXL500 colours: R, G, B, W	500	24	252	3855	1	Y	484
LS-2COXL900 colours: R, G, B, W	900	48	432	7401	2	N	884

Dimensions

2.LS-2COXL900

Model	A	B
LS-2COXL100	100	84
LS-2COXL140	140	124
LS-2COXL180	180	164
LS-2COXL220	220	204
LS-2COXL260	260	244
LS-2COXL300	300	284
LS-2COXL340	340	324
LS-2COXL380	380	364
LS-2COXL420	420	404
LS-2COXL460	460	444
LS-2COXL500	500	484

Performance



Product views

