

surface light source, no opening

LS-FLF series · Backlights · 16 models

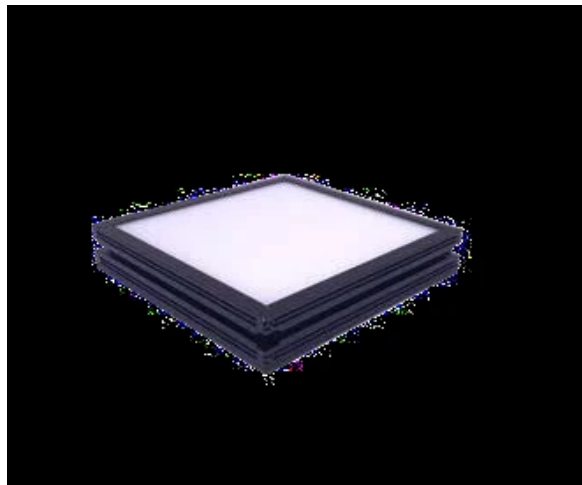
Surface light with large-area uniform light emission and high-array LED arrangement for high-brightness planar lighting. Mainly used for perspective contour imaging and large-format uniform illumination.

Features

- Large-area uniform light emission
- High-array LED arrangement for high-brightness planar lighting
- Mainly used for perspective contour imaging and large-format uniform illumination
- Size can be customized according to different needs
- Diffuser plate in an aluminium frame with M3 nut placement groove (groove depth 4.5 mm)

Applications

- Various size measurements, shape inspection of transparent objects
- Shape inspection of electronic components and ICs
- Edge positioning
- Copper wire detection



Colours

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

Common specifications

Voltage	24 V DC (12 V on request)
Thickness (mm)	20
Cable length (mm)	500
Mounting	M3 nut placement groove, groove depth 4.5 mm
Opening	None

Ordering code: LS-FL<emitting width and length>F-<colour> (catalog example LS-FL100100-R; R/G/B/W/IR/UV)

Models

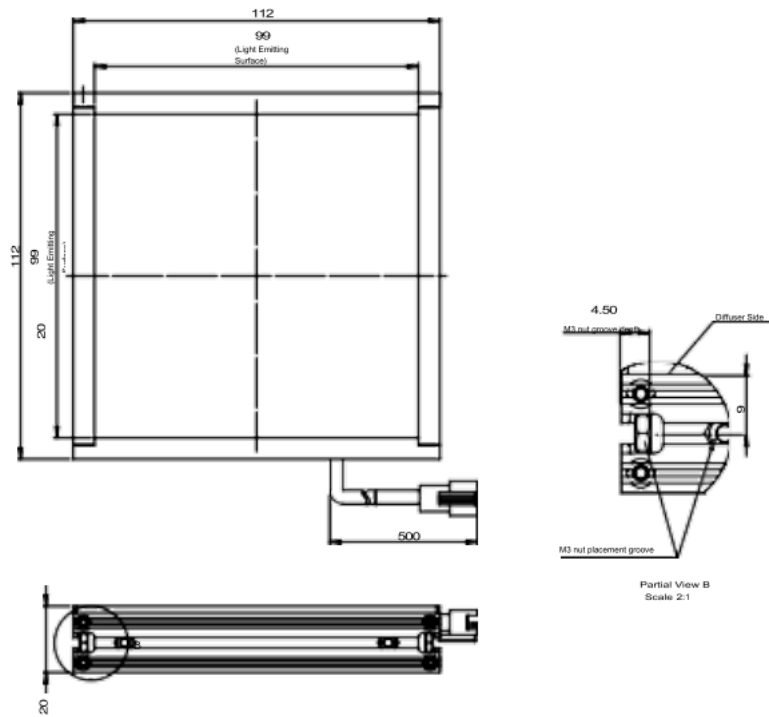
Model	Overall length / width (mm)	Power red (W)	Power white/blue/green (W)	Emitting surface (mm)	Overall length (mm)	Overall width (mm)
LS-FL100100F colours: R, G, B, W, IR, UV	112	6.62	8.28	99 x 99	-	-
LS-FL100120F colours: R, G, B, W, IR, UV	-	10	12	119 x 99	132	112

LS-FL100150F colours: R, G, B, W, IR, UV	-	12	14	149 x 99	162	112
LS-FL100200F colours: R, G, B, W, IR, UV	-	13.25	16.56	199 x 99	212	112
LS-FL100300F colours: R, G, B, W, IR, UV	-	17.8	19.4	299 x 98.5	312	111.5
LS-FL117130F colours: R, G, B, W, IR, UV	-	12.8	17.5	117 x 130	142	129
LS-FL150150F colours: R, G, B, W, IR, UV	162	14.9	18.63	149 x 149	-	-
LS-FL150200F colours: R, G, B, W, IR, UV	-	16.13	20.16	199 x 149	212	162
LS-FL150400F colours: R, G, B, W, IR, UV	-	21.5	25.3	399 x 149	412	162
LS-FL200200F colours: R, G, B, W, IR, UV	212	21.5	26.88	199 x 199	-	-
LS-FL200300F colours: R, G, B, W, IR, UV	-	36	39	299 x 199	312	212
LS-FL250500F colours: R, G, B, W, IR, UV	-	68.64	85.80	498.5 x 248.5	511.5	216.5
LS-FL250510F colours: R, G, B, W, IR, UV	-	69.2	88.92	511 x 248.5	524	216.5
LS-FL300300F colours: R, G, B, W, IR, UV	312	38.7	48.38	299 x 299	-	-
LS-FL300400F colours: R, G, B, W, IR, UV	-	51.61	64.51	399 x 299	412	312
LS-FL350350F colours: R, G, B, W, IR, UV	362	45.14	56.2	349 x 349	-	-

More values per model (Overall height (mm)) are on each product page.

Dimensions

01



LS-FL100100F

Product views

