

Flat shadowless light (LFR)

LS-LFR series · Shadowless lights · 8 models



Flat shadowless light with LEDs mounted horizontally on the light side; its luminance can replace a ring light for a more uniform effect, as a shadowless low-angle lighting system.

Features

- LEDs mounted horizontally, fastened to the light side
- Luminance can replace a ring light, with a more uniform effect
- Shadowless, low-angle lighting system
- Wire jacket covers the cable exit, anti-pull
- Customizable: Outer & inner diameter, Colour & colour temperature, Cable length, Installation method
- UV & IR versions can be customized as required

Applications

- Date code inspection on food packaging
- Inspection of highly reflective surfaces of workpieces
- Precision component boundary dimension inspection
- Imaging example: stitch flatness inspection on electronics (LS-LFR100-W), whitens the surface then locates

Colours

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

Common specifications

Voltage	24 V
Min. diameter	dia. 60
Max. diameter	dia. 180
Recommended working distance	10~100 mm

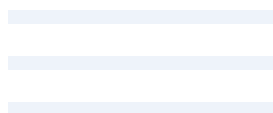
FOV	1~150 mm
Colour temperature of white	6600 K
Cable length (drawing)	500 mm
Operating temperature	0-50 °C
Operating humidity	20-85% (non-condensing)
Life-span	50000 h (to 50% of factory default luminance)
Adapted controllers	Strobe controller, analog controller, digital controller
Extension cable options	PVC extension cable (high flexibility, bending and high-temperature resistant, for use inside equipment); high-flexibility extension cable (harder, more abrasion resistant, for drag-chain production lines)

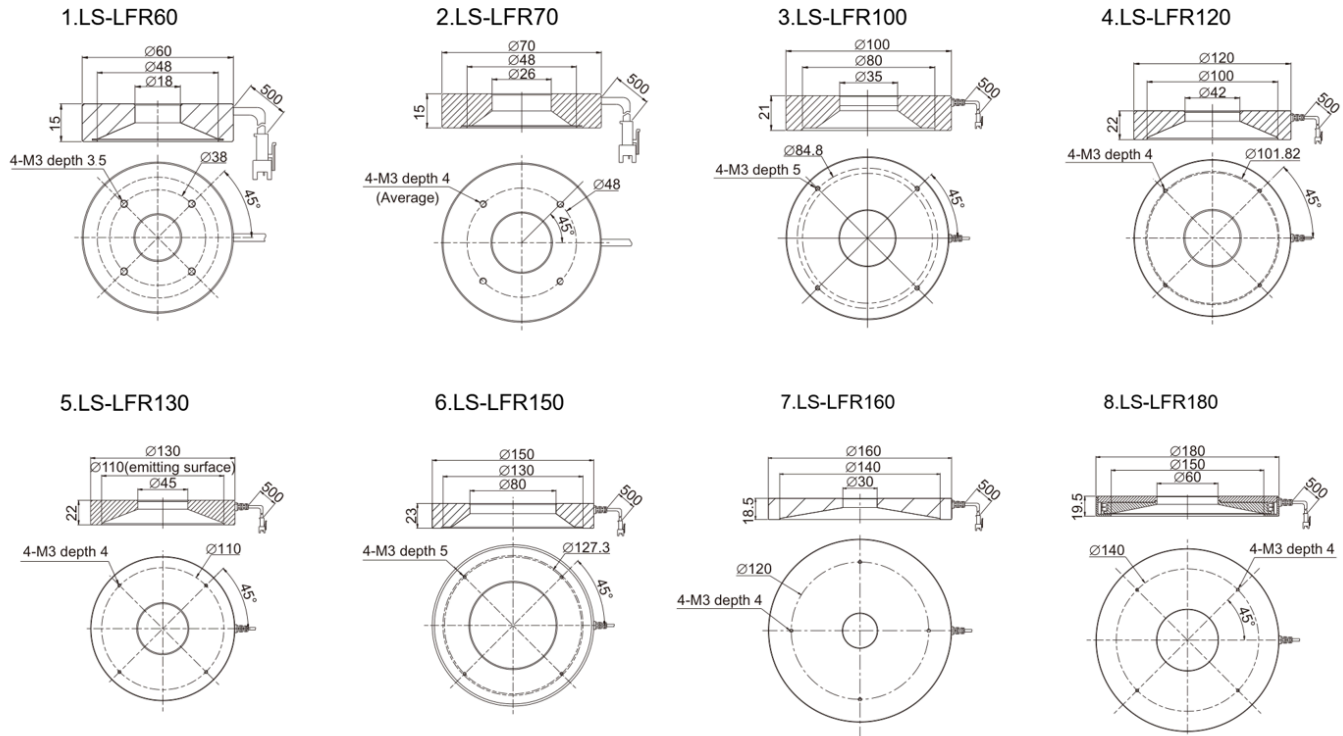
Ordering code: LS-LFR##-R/G/B/W/IR/UV (## = outer diameter; last field = colour)

Models

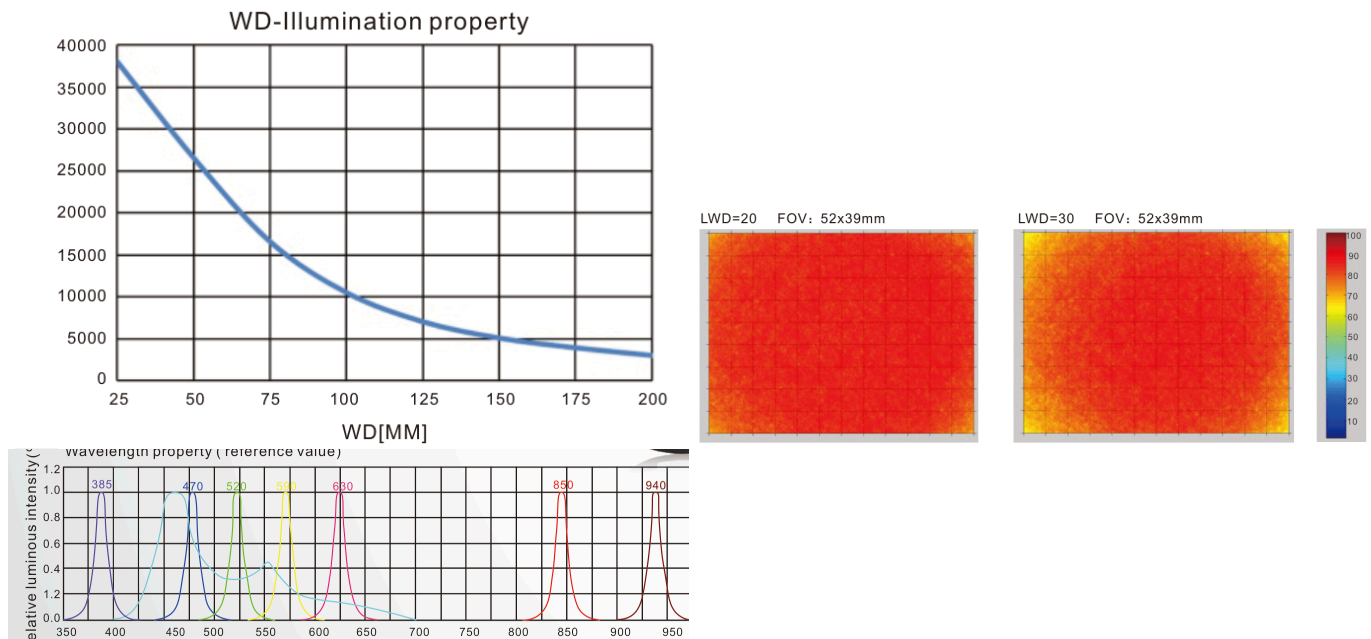
Model	Power (R)	Power (G/B/W)	Weight	Common model	Dimension drawing no.	Emitting surface dia. (mm)
LS-LFR60 colours: R, G, B, W	1.4W	2.4W	81 g	Y	1	-
LS-LFR70 colours: R, G, B, W	2.2W	3.4W	139 g	N	2	-
LS-LFR100 colours: R, G, B, W	4.1W	6.7W	251 g	Y	3	-
LS-LFR120 colours: R, G, B, W	4.3W	7.2W	326 g	Y	4	-
LS-LFR130 colours: R, G, B, W	5.0W	8.4W	379 g	N	5	110
LS-LFR150 colours: R, G, B, W	6.2W	9.4W	454 g	Y	6	-
LS-LFR160 colours: R, G, B, W	4.1W	6.7W	537 g	Y	7	-
LS-LFR180 colours: R, G, B, W	5.8W	9.6W	612 g	N	8	-

Dimensions





Performance



Product views

