

Infrared light (IR)

LS-IR series · Ring lights · 15 models



Infrared light with strong penetration, wavelength optional 850 / 940 nm, used with near-infrared sensitive cameras and with infrared glass filters for strong ambient light applications.

Features

- Strong penetration, wavelength optional: 850/940 nm
- Use with high sensitive CCD of near infrared field
- Use with infrared glass filter, adapts to strong ambient light

Applications

- Monitoring
- Packing (through the plastic packing)
- Foreign matter inspection in wine bottles
- Electronic, semiconductor inspection
- Imaging example: lingerie buckle inspection through clothing (LS-2FT100100-IR)

Colours

IR	850-940 nm
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Common specifications

Voltage	24 V
Adapted controller	Strobe controller, analog controller, digital controller
Customizable	shape, combined light, multi-area control, colour and colour temperature, cable length, installation method, emitting angle
Cable (mm)	500 (drawings)
Operating temperature	0-50 °C
Operating humidity	20-85% (non-condensing)
Life span	50000 h (to 50% of factory-default luminance)

Extension cable options	PVC extension cable (high flexibility, bending and heat resistant, for use inside equipment) or high-flexibility extension cable (harder and more abrasion resistant than PVC, for drag-chain production lines)
Custom wavelengths	UV & IR light can be customized as required
Peak wavelength	IR: 850-940 nm

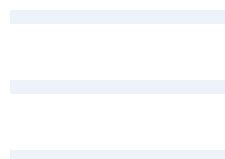
Ordering code: LS-<kind of light, e.g. RN>-<outer diameter><angle>-IR

Models

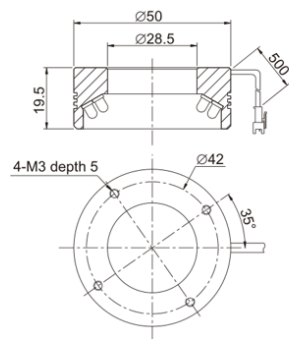
Model	Power (W)	Weight (g)	Light type	Outer dia. (mm)	Mounting	Dimension drawing	Emitting surface (mm)
LS-RN5060-IR colours: IR	1.0	57	Ring	50	4-M3 depth 5 on dia. 42	1	-
LS-RN7090-IR colours: IR	2.2	109	Ring	70	4-M3 depth 4.5 on dia. 54	2	-
LS-RN12030-IR colours: IR	4.3	222	Ring	120	4-M3 depth 4 on dia. 106	3	-
LS-COX40-IR colours: IR	2.7	186	Coaxial	-	4-M3 depth 5	4	38 x 43.4
LS-COX50-IR colours: IR	4.1	308	Coaxial	-	4-M3 depth 5	5	50 x 50
LS-2FT5050-IR colours: IR	2.4	101	Back	-	-	6	50 x 50
LS-2FT7070-IR colours: IR	3.8	150	Back	-	-	7	70 x 70
LS-2FT8080-IR colours: IR	4.3	175	Back	-	-	8	80 x 80
LS-2FT100100-IR colours: IR	7.7	249	Back	-	-	9	100 x 100
LS-2FT150150-IR colours: IR	11.5	463	Back	-	-	10	150 x 150
LS-2BR6016-IR colours: IR	1.0	80	Bar	-	-	11	60 x 16
LS-2BR9016-IR colours: IR	1.4	105	Bar	-	-	11	90 x 16
LS-2BR18016-IR colours: IR	2.9	176	Bar	-	-	11	180 x 16
LS-2BR7530-IR colours: IR	2.2	134	Bar	-	2 x 4-M3 depth 5	12	75 x 30
LS-2BR12530-IR colours: IR	3.6	201	Bar	-	2 x 4-M3 depth 5	13	125 x 30

More values per model (Inner dia. (mm), Height (mm), Common, Window (mm)) are on each product page.

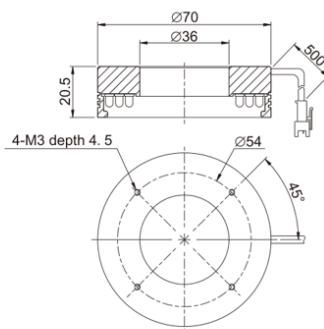
Dimensions



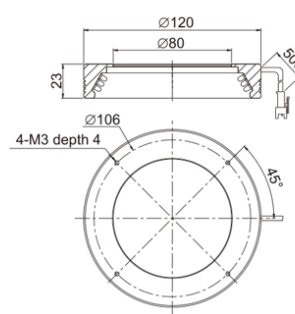
1.LS-RN5060



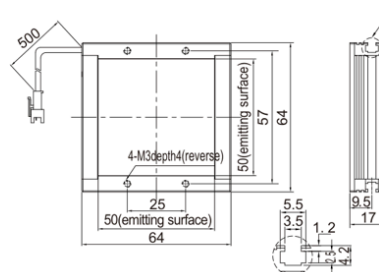
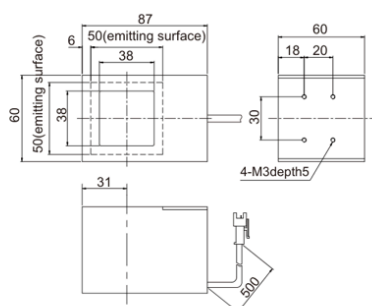
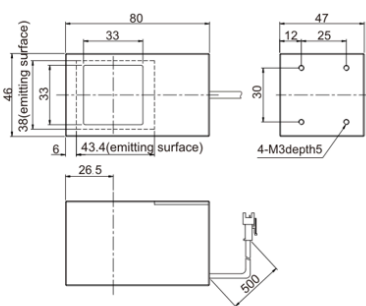
2.LS-RN7090



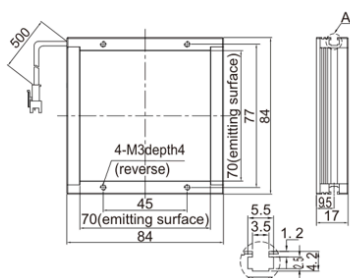
3.LS-RN12030



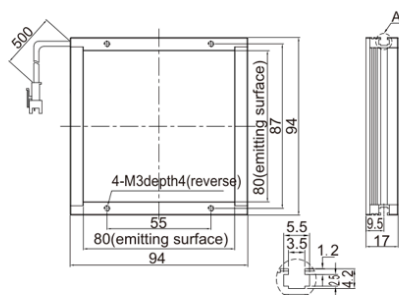
6.LS-2FT5050



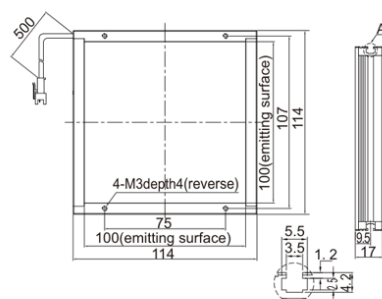
7.LS-2FT7070



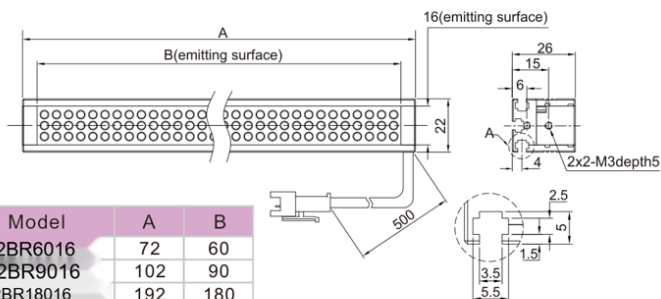
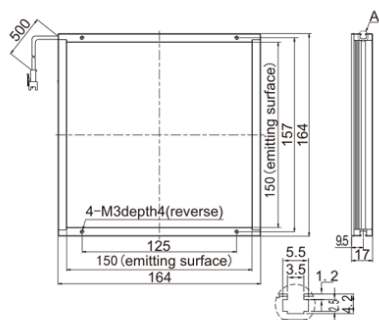
8.LS-2FT8080



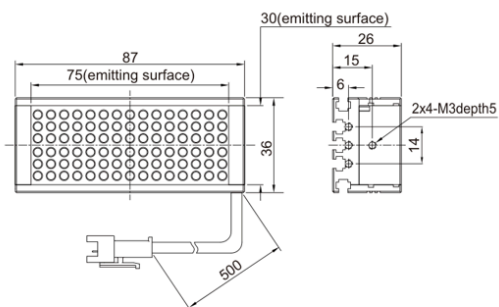
9.LS-2FT100100



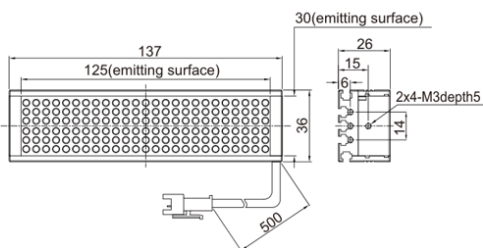
10.LS-2FT150150



12.LS-2BR7530



13.LS-2BR12530



Performance

