

IR light, IR series

LS-IR-C series · Ring lights · 19 models

Infrared lights custom-made for light shape and illumination mode, using differences in spectral reflectance for a variety of measurements.

Features

- Custom made for light shape and illumination mode
- Using the difference in spectral reflectance for a variety of measurements



Applications

- LCD screen inspection
- Character reading
- Screen alignment
- Edge extraction
- Surface pattern appearance
- Foreign matter inspection through liquid
- Inspection of objects in food packaging
- Invisible barcode reading

Colours

IR	850-940 nm
IR850	850 nm
IR940	940 nm

Common specifications

Storage temperature	20-60 °C
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Operating temperature	0-40 °C
Humidity	20-85 %RH (non-condensing)
Service life	At 25 °C ambient: red works continuously for 60000 hours at 50% illumination, white 30000 hours at 50% illumination (decrement at 50%)
Warranty	1 year free maintenance or replacement for faults not caused by the user
Optional accessories	Extension cable
Controller	LS-DPS, LS-APS, LS-SPS, LS-CPL series (match the power of the light source)

Ordering code: LS-<type code><luminous L mm><luminous W mm>-IR<wavelength nm> (e.g. LS-HFS5050-IR940; HFS = back light source)

Models

Model	Power (W)	Luminous dimension (mm)	Overall size (mm)	Recommended controller	Diffuser
LS-RS7390-IR940 colours: IR940	5.9	65	OD73 x ID36 x H17.5	LS-DPS, LS-APS, LS-SPS	diffuse plate optional
LS-RS7430-IR940 colours: IR940	4.9	62.4	OD74 x ID40 x H20	LS-DPS, LS-APS, LS-SPS	diffuse plate optional
LS-RS7460-IR940 colours: IR940	6.9	65	OD74 x ID35 x H20	LS-DPS, LS-APS, LS-SPS	diffuse plate optional
LS-RS9070-IR850 colours: IR850	12	82	OD90 x ID44 x H20	LS-DPS, LS-APS, LS-SPS	diffuse plate optional
LS-RS9090-IR940 colours: IR940	11	81	OD90 x ID50 x H18	LS-DPS, LS-APS, LS-SPS	diffuse plate optional
LS-RS12030-IR940 colours: IR940	14	75.4	OD90 x ID50 x H21	LS-DPS, LS-APS, LS-SPS	diffuse plate optional
LS-RS12070-IR940 colours: IR940	17	109.8	OD120 x ID65 x H22	LS-DPS, LS-APS, LS-SPS	-
LS-BS5418-IR940 colours: IR940	2	44 x 15.4	L54 x W18 x H20	LS-DPS, LS-APS, LS-SPS	-
LS-BS8629-IR940 colours: IR940	4.9	74 x 26	L86 x W29 x H18	LS-DPS, LS-APS, LS-SPS	-
LS-BS14020-IR940 colours: IR940	4.9	130 x 16	L140 x W20 x H20	LS-DPS, LS-APS, LS-SPS	-
LS-BS20540-IR940 colours: IR940	17	175 x 33	L205 x W40 x H38	LS-DPS, LS-APS, LS-SPS	diffuse plate optional
LS-BS27042-IR940 colours: IR940	21	260 x 36	L270 x W42 x H36	LS-DPS, LS-APS, LS-SPS	-
LS-BS38040-IR940 colours: IR940	25	368 x 31	L380 x W40 x H36	LS-DPS, LS-APS, LS-SPS	-
LS-SPL0859-IR850 colours: IR850	1.8	6	OD24 x ID8 x H59	LS-CPL0510A-2T	-
LS-COS40-IR850 colours: IR850	2	38 x 39	L70 x W46 x H47	LS-DPS, LS-APS, LS-SPS	-
LS-COS80-IR940 colours: IR940	5.9	80 x 80	L114 x W91 x H85.5	LS-DPS, LS-APS, LS-SPS	-
LS-HFS5050-IR940 colours: IR940	4	50 x 50	L78 x W64 x H19	LS-DPS, LS-APS, LS-SPS	-

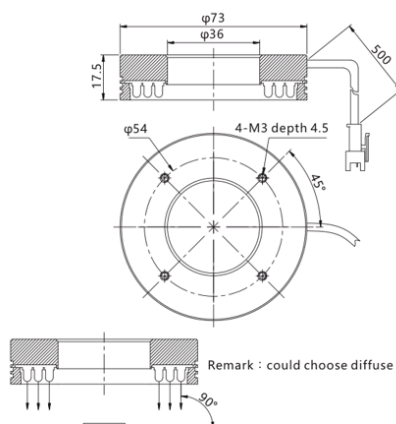
LS-HFS100100-IR940 colours: IR940	8.9	100 x 100	L135 x W115 x H19	LS-DPS, LS-APS, LS-SPS	-
LS-HBS21226-IR1300BSB colours: IR1300	17	200 x 16	L212 x W26 x H48	LS-CPL48150B-2T	-

More values per model (Cable length (mm)) are on each product page.

Dimensions

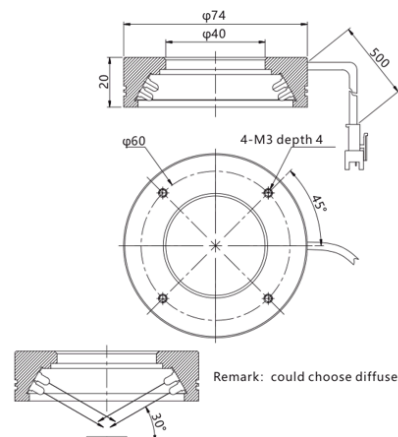
LS-RS7390

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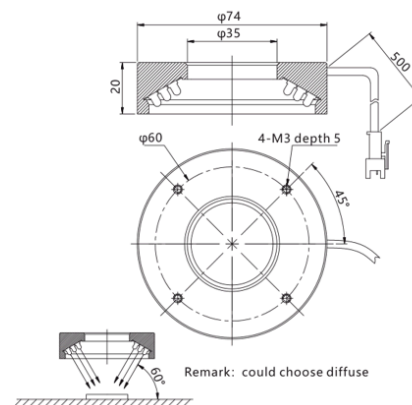
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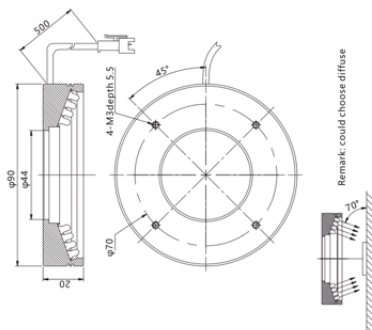
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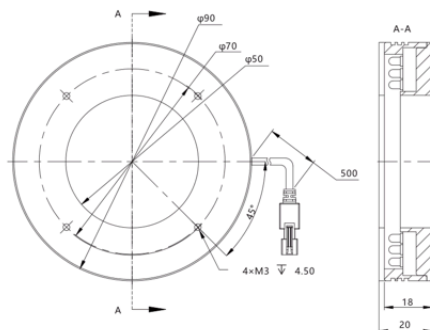
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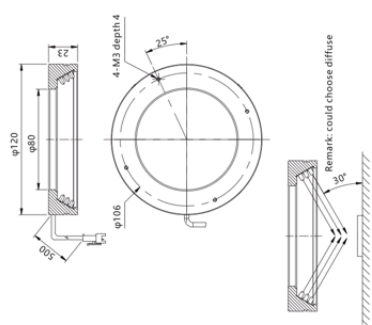
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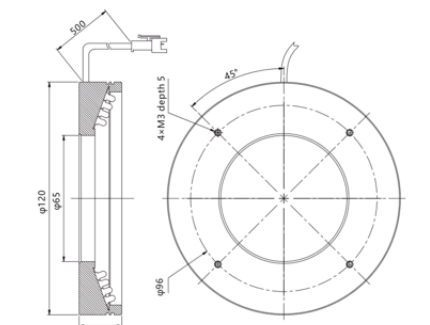
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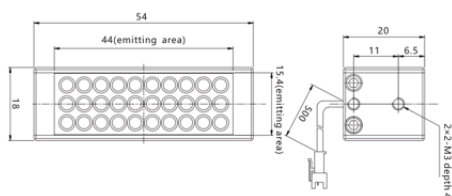
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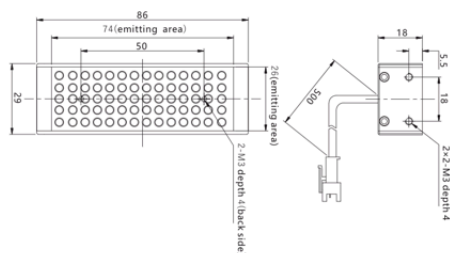
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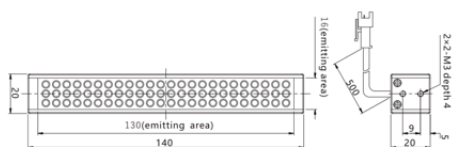
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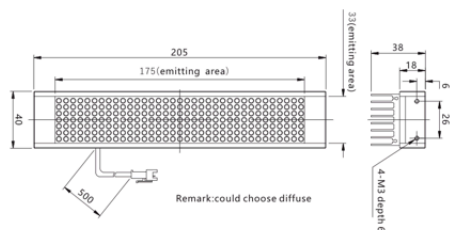
LS-BS14020

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LS-BS20540

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