

Arch light source (ARS series)

LS-ARS series · Dome lights · 7 models



Arch-shaped light source: the arch material reflects the light diffusely so the illumination angle covers 180 degrees; a special diffusing material spreads the light evenly and eliminates interference from uneven surfaces and reflections.

Features

- Light output by diffuse reflection from the arch-shaped material; angle covers 180 degrees
- Special diffusing material distributes the light evenly
- Eliminates interference from uneven surfaces and reflections

Applications

- Cylinder surface defect inspection
- Battery cell edge crush inspection
- Character inspection on electrical appliance exteriors
- PCB substrate surface inspection
- Type-C curved surface damage inspection
- Lithium battery arc surface damage inspection
- Metal cylinder surface defect inspection
- Phone housing edge scratch inspection

Colours

R	620-630 nm
G	520-530 nm
B	465-475 nm
W	6000-6500 K
IR	850-940 nm
UV	365-405 nm

Common specifications

Wavelength red	620-630 nm
Wavelength green	520-530 nm

Wavelength blue	465-475 nm
Colour temperature white	6000-6500 K
Wavelength IR	850-940 nm
Wavelength UV	365-405 nm
Storage temperature	20 to 60 °C
Operating temperature	0 to 40 °C
Humidity	20-85 %RH (non-condensing)
Optional accessories	Extension cable
Controller	LS-DPS series, LS-APS series, LS-SPS series (the selected controller should match the power of the light source)
Service life (red)	60000 h continuous at 25 °C, 50% illumination, to 50% decrement
Service life (white)	30000 h continuous at 25 °C, 50% illumination, to 50% decrement
Warranty	1 year from shipment (faults not caused by the user: free repair or replacement)

Ordering code: LS-ARS<outer width mm><outer length mm>-<R/G/B/W> (e.g. LS-ARS160200-R)

Models

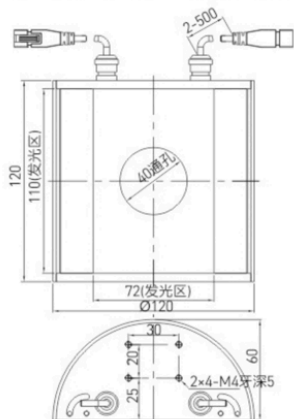
Model	Power (W)	Emitting area (mm)	Outer length (mm)	Outer width (mm)	Outer height (mm)	Camera hole (drawing)
LS-ARS120120-W colours: W	14	72 x 110	120	120	60	dia. 40 through hole
LS-ARS160150-W colours: W	30	111 x 140	160	150	80	dia. 40 through hole
LS-ARS160200-W colours: W	28	111 x 190	160	200	80	dia. 40 through hole
LS-ARS200150-W colours: W	30	151 x 140	200	150	100	dia. 40 through hole
LS-ARS200180-W colours: W	28	150 x 170	200	180	100	dia. 40 through hole
LS-ARS200200-W colours: W	28	152 x 190	200	200	100	dia. 40 through hole
LS-ARS300250-W colours: W	42	140 x 240	300	250	150	2 x dia. 40 through holes, 62 mm apart

More values per model (Recommended controller, Cable (drawing), Mounting (drawing)) are on each product page.

Dimensions

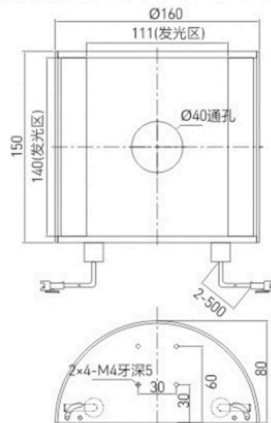
LS-ARS120120

1



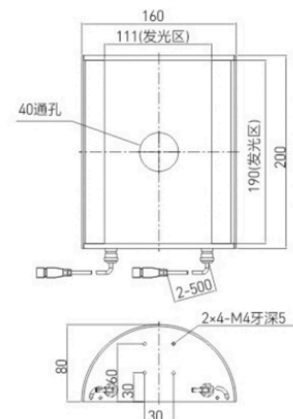
LS-ARS160150

2



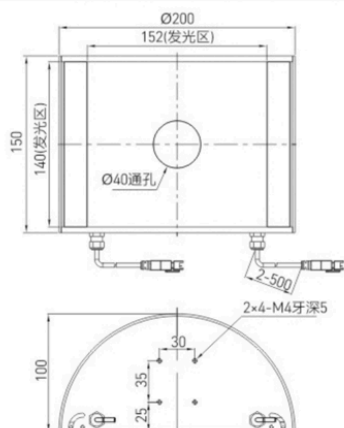
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3



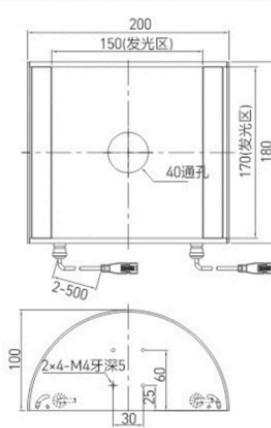
LS-ARS200150

4



LS-ARS200180

5



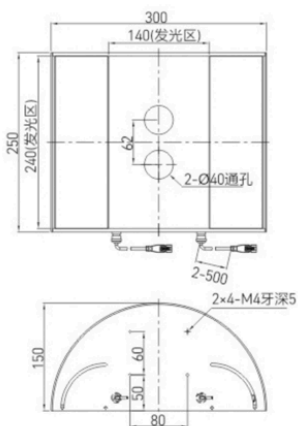
LS-ARS200200

6

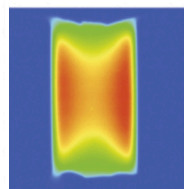
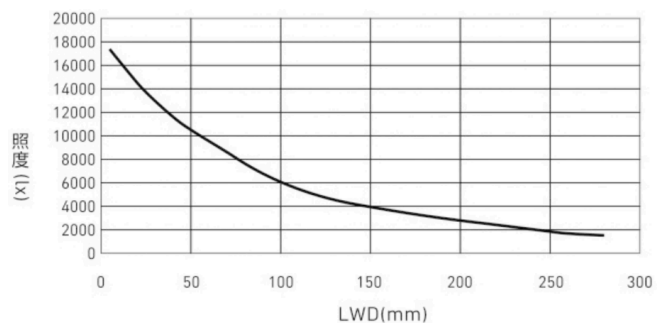


LS-ARS300250

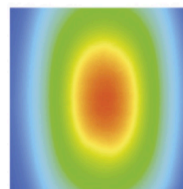
7



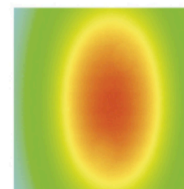
Performance



LWD=10mm



LWD=50mm



LWD=100mm

Product views

