

AOI light, SAI series

LS-SAI series · Custom lights · 5 models

Three-colour lighting from different angles highlights the three-dimensional information of solder. Multi-colour, multi-angle lighting accurately reflects surface slope; dedicated to AOI and mostly used for annular defects.

Features

- Three-colour lighting from different angles highlights the 3D information of solder
- Multi-colour and multi-angle lighting accurately reflects surface slope information; dedicated to AOI, mostly for annular defects
- Each colour can be independently controlled
- Can be customised to customer requirements

Applications

- Welding quality of electronic components: screen printed characters, missing components, false, missing, continuous and offset solder
- Metal surface scratch inspection
- Scratches and pits on highly reflective surfaces
- Surface defects of rubber ring products
- Scratches and dirt on filter surfaces



Colours

R	620-630 nm
B	465-475 nm
G	520-530 nm

Common specifications

Storage temperature	20-60 °C
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 series (series page); spec table lists LS-DPS, LS-APS, LS-SPS

Ordering code: LS-SAI<OD mm><ID mm>-<R/G/B/W> (e.g. LS-SAI11622-RGB)

Models

Model	Power (W)	Luminous size (mm)	OD (mm)	ID (mm)	H (mm)	Illumination angles (drawing)	Cable
LS-SAI11622-RGB-M colours: R, G, B	17	98	116	22	55	20°, 45°, 70°	3 cables L500
LS-SAI21066-RGB-M2 colours: R, G, B	43	178.5	210	66	74.5	27°, 46°, 68°	-

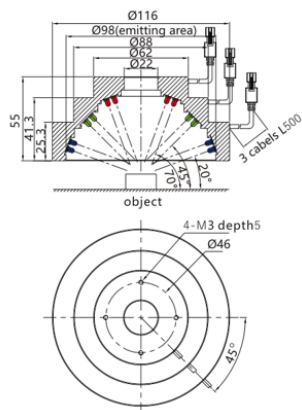
LS-SAI230114-RGB-M colours: R, G, B	75	215.8	230	114	67	-	3 cables L500
LS-SAI245140-RGBW-M colours: R, G, B, W	86	223.6	245	140	76	30°, 45°, 75°	-
LS-SAI280174-RGB-M colours: R, G, B	68	227	280	172 x 20	81	-	4 cables, each L500

More values per model (Recommended controller, Mounting, Working distance (mm)) are on each product page.

Dimensions

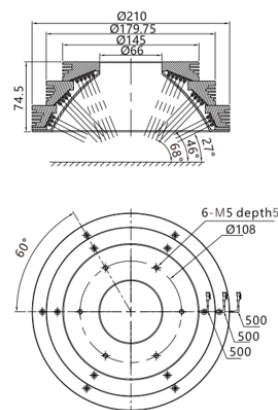
LS-SAI11622-M

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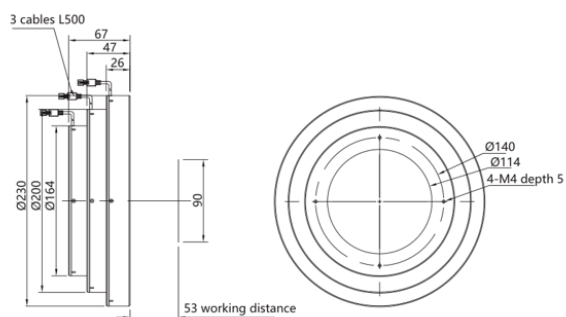
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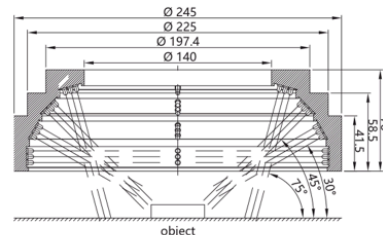
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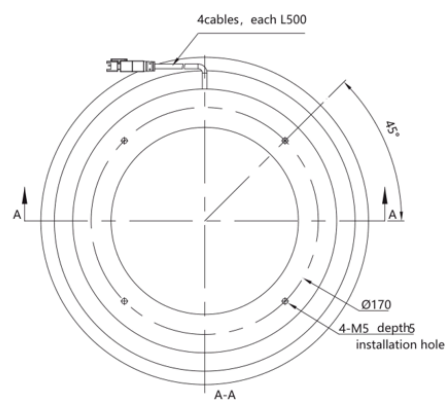
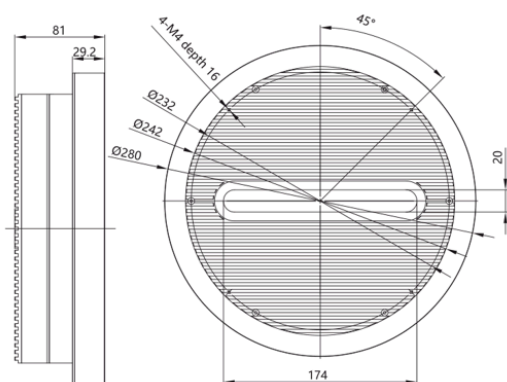
LS-SAI245140-M

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LS-SAI280174-M

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Product views

