

Quick-opening porthole type SKS or LED projector type ESKS/LED

Application:

The quick-opening sight glass, types SKS and ESKS, equipped with integrated LED spotlights, facilitate the illumination and observation of the interiors of tanks, reservoirs, cisterns, silos, agitators, separators, and other typically sealed devices in a non-explosive atmosphere. They can be mounted directly onto flat walls or on a lower flange designed for welding onto the tank.

Safety protocol:

- Do not open the porthole until the pressure has decreased to zero.

Protection:

- Dust and splash resistant, IP 65 in accordance with EN 60529/DIN VDE 0470 T1.

Terms of Service:

Operating pressure:

- 0.5 bar for type SKS/ESKS225
- 1 bar for type SKS/ESKS150

Serving temperature:

- 150°C with soda-lime glass
- 200°C with borosilicate glass

Room temperature:

- Maximum temperature of 45°C for the ESKS model.

Transformers:

- External transformers are available for supply.

Electrical specifications:

- ESKS 150: 24V AC/DC – 6W or 10W
- ESKS 255: 24V AC/DC, 230V AC – 15W



Combination:

- Adaptation of a windshield wiper is feasible.

Components:

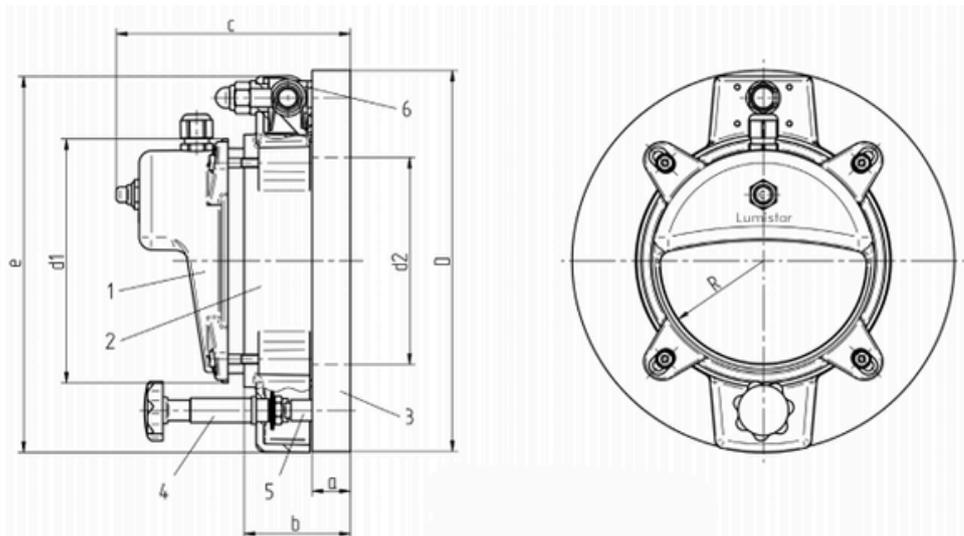
SKS and ESKS sight glass are supplied fully assembled. Prior to welding the lower flange, ensure that the hinge is removed. After welding, verify that the flange is level.

Composition:

- LUMIGLAS projector (exclusive to ESKS version)
- aluminum bracket for glass
- stainless steel welding flange 1.4404, 1.4307, and others.
- star nut for securing support for closing screw hinge
- Aluminum crown for securing the glass (compatible only with the SKS version)

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Features of SKS/ESKS Rapid-Opening Portholes



Material description:

- LUMISTAR projector housing and glass support constructed from corrosion-resistant aluminum alloy, finished in RAL 9007.
- Possibility of a 1.4404 stainless steel insert for the component in contact with the product.
- Welding flanges in stainless steel 1.4404, 1.4307, 1.4571, or other materials upon request.
- soda-lime or borosilicate tempered glass
- silicone joint
- galvanized steel locking mechanism and plastic star nut

Aluminum alloy classification		ESKS150	SKS150	ESKS225	SKS225
Type 304 stainless steel		ESKS150A	SKS150A	ESKS225A	SKS225A
Dimensions	a	25	25	25	25
	b	71	71	80	80
	c	185.5	90	167	100
	d1	165	165	235	235
	and	247	247	333	333
	d2	136	136	205	205
	D	250	250	335	335
	R	70	70	104	104
Voltage		24V AC/DC	/	24V AC/DC - 230V AC	/
Power		6W or 10W	/	Maxi 100 Watts	/

Electrical connection:

- Select a cable that is suitable for the service conditions.
- Remove the cover of the projector.
- Connect the cable.
- Secure the cable gland.
- Replace the cover.

Light fixture replacement

- The tank must be devoid of pressure.
- Deactivate the power.
- Remove the four screws and detach the projector.
- Install the new lamp with care, avoiding direct contact with bare hands.
- Reinstall the projector onto the glass, then restore the power.

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