

Lumiglas ESKS Light/View Fitting and SKS with LED technology

Application:

The ESKS fittings serve a dual purpose: access/loading port and lighting/viewing port. Fitted with a floodlight, they allow illumination of the inside of vessels (tanks, silos, bunkers, mixers). The SKS version is similar but without the floodlight. Suited to agri-food industries. Installation with weld-on flange or bolt-on flange for flat walls.

Safety precaution:

- Never open under pressure! Release pressure to zero before any handling.
- Do not look directly at the light! Risk of eyesight damage.

Protection:

IP65-compliant (protection against dust and water jets) in accordance with EN 60529 / DIN VDE 0470 T1.

Operating conditions:

Pressure:

- SKS/ESKS 225: 0.5 bar
- SKS/ESKS 150: 1.0 bar

Temperature:

- Vessel: 150°C (soda-lime glass), 200°C (borosilicate glass)
- Ambient: 45°C max. for the floodlight

Electrical data:

- ESKS 150: 24V AC/DC – 6W or 10W
- ESKS 225: 24V AC/DC, 230V AC – 15W
- Transformers available as an option

Mechanical installation:

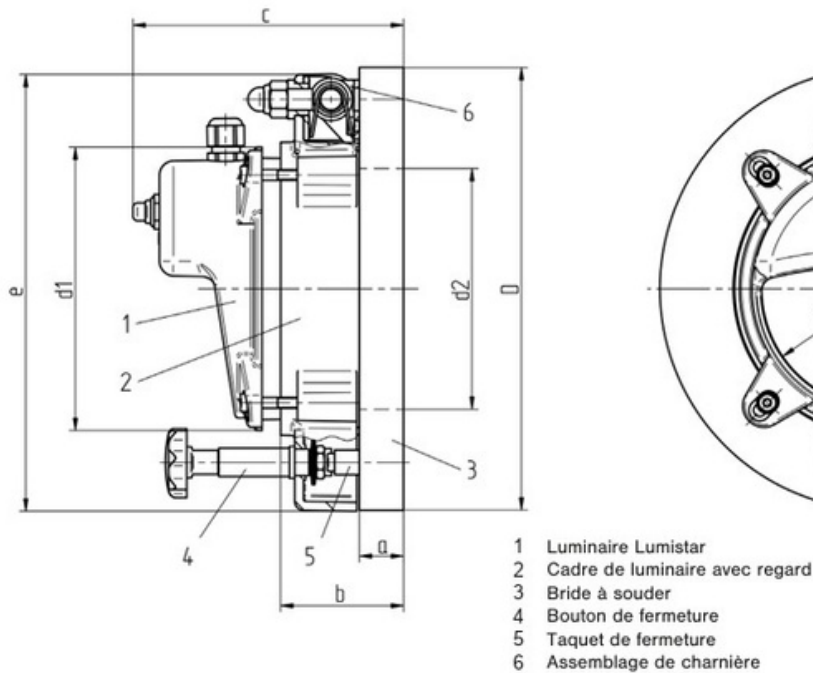
Fitting delivered assembled. Before welding, remove the frame and the hinge. Check the position and balance direction. Welded flanges: fastening without distortion. Bolted flanges: perfectly flat wall required.

Composition

1. Listar floodlight (ESKS only)
2. Floodlight frame with viewing window
3. Weld-on or bolt-on flange
4. Closing knob
5. Closing latch
6. Hinge assembly
7. Fastening ring (SKS only, replaces the floodlight)



Dimensions and electrical data of the ESKS and SKS fittings:



• Parts, construction and materials:

- Floodlight body: die-cast aluminum, corrosion-resistant, painted RAL 9007
- Weld-on flange: steel S235JR-N (RSt 37-2) or stainless steel, e.g. 1.4541 or 1.4571
- Viewing disc: tempered soda-lime glass or tempered borosilicate glass
- Gaskets: silicone rubber
- Locking mechanism: galvanized or painted steel; star-shaped handle: plastic

Here's the English translation of the table:

Type	ESKS 150	SKS 150	ESKS 225	SKS 225
Dimensions	a: 25	a: 25	a: 25	a: 25
	b: 71	b: 71	b: 80	b: 80
	c: 185.5	c: 90	c: 167	c: 100
	d1: 165	d1: 165	d1: 235	d1: 235
	e: 247	e: 247	e: 333	e: 333
	d2: 136	d2: 136	d2: 205	d2: 205
	D: 260	D: 250	D: 335	D: 335
	R: 70	R: 70	R: 104	R: 104
Voltage	24 VAC/DC		24 VAC/DC, 230 VAC	
Power	6 W or 10 W	No floodlight, viewing only.	15 W	No floodlight, viewing only.

- Ordering information: For example, Lumiglas light/view fitting type 150, 24V – 6W, weld-on flange 1.4571, max. temperature 200°C.
- Special design: On request, all metal parts in contact with the product can be made in stainless steel.

