



Sightglass light fittings type: KVL R

Sightglass light fittings series KVL R
in stainless steel for use in safe areas



Sightglass light fitting type KVL R 20 HDW, 20 W, 24 V, with built-in momentary push-button "D", mounted with tilting hinge "Sch" on sightglass to DIN 28120, DN 100, PN 10, for application "view and light through one assembly".



Sightglass light fitting type KVL R 50 HDW1, 50 W, 24 V, with built-in momentary push-button "D", mounted by bracket "W1" on screwed sightglass similar to DIN 11581, DN 100, PN 6, for application "view and light through one assembly".

The sightglass light fittings of the series KVL R represent the stainless steel version of the wellknown miniLUX® luminaires. They offer the following main features and advantages:

- Very interesting prices due to high series production.
- Only one size for use on different sightglass diameters.
- Easiest mounting by means of a bracket "W"/"W1" or a tilting hinge "Sch"/"Sch1".
- Extremely small dimensions providing high lighting power.
- Brilliant and dazzle free illumination, even of difficult media.
- Quick change of bulbs without necessity to demount the bolted-on luminaire!
- For use in version "view and light through one assembly" as well as for the two port system.

Application:

- On sightglass to DIN 28120 from DN 25
- On sightglass to DIN 28121 from DN 40
- On screwed sightglass similar to DIN 11851 from DN 50
- On pipeline flow indicators (in-line sightglasses)

Operating conditions:

- Independent of internal vessel pressure and vacuum.

Construction:

- Housing and fixation elements in stainless steel. Cable gland Pg 9, vertical. On request with rectangular cable gland ("K2"). Built-in reflector. Bulb socket for halogen bulbs of 20, 50 or 100 Watts. Built-in, sealed push-button for momentary operation "D" (types KVL R 20 / 50 also available without, on request). Glass disc resistant against high temperatures. Gaskets resistant against corrosion and alteration.

Electrical data:

- Supply: AC or DC
- Terminal voltage: 24 V*
- Power: 20, 50 or 100 W (dependent type)
- Maximum current: 4.2 A

* Transformers with 24 V secondary voltage in open design (IP 00) for mounting into control panels or switch boards as well as in closed version (IP 65) may be supplied for different primary voltages and power capacities.

Bulb sockets:

- Power 20W: 2 pins socket G4
- Power 50 / 100 W: 2 pins socket GY 6.35

Enclosure protection degree:

- IP 65, dust and spray water tight.

Admitted for use in food processing industries.

Survey on standard types:

Type	KVL R 20 HD*	KVL R 50 HD*	KVL R 100 HD*
Nominal rating	20 W	50 W	100 W
Terminal voltage**	24 V	24 V	24 V
Bulb	Halogen	Halogen	Halogen
Weight***	0,60 kg	0,60 kg	0,60 kg

* For the version without push-button, the correct type designation omits the "D".

** Types with 20 and 50 W also available in 12 V.

*** Without fixation. Fixations "W"/"W1" 0,02 kg, fixation "Sch"/"Sch1" 0,03 kg.

Mounting:

The luminaire is normally mounted by means of its fixation elements, suitably slotted to take a fixing bolt M4. This bolt fits a drilled and tapped hole in the cover flange of a sightglass to DIN 28120 / 28121 or similar as well as in the grooved collar nut of a screwed sightglass similar to DIN 11851. The position of the drilled holes may be taken from the drawings on the back of this leaflet.

Important remark:

Please indicate in case of order type and size (DN) of the sightglass on which the luminaire has to be mounted. **In case of repeated use within a short period, the temperature raise of the housing has to be observed!**



The following dimensions are valid for the types KVLR 20/50 H(D)Sch/Sch1/W/W1 and KVLR 100 HD Sch/Sch1/W/W1

Types KVLR 20/50 H(D)W
Types KVLR 100 HDW

Fixation "W"

Types KVLR 20/50 H(D)Sch
Types KVLR 100 HDSch

Fixation "Sch"

Types KVLR 20/50 H(D)W1
Types KVLR 100 HDW1

Fixation "W1"

Types KVLR 20/50 H(D)Sch1
Types KVLR 100 HDSch1

Fixation "SCH1"

Sightglass to DIN 28 120

DN	A	B	C	D	E	F
50	95	55	62,5	95	3	79
80	95	55	80	95	3	79
100	95	55	90	95	3	79
125	95	55	105	95	3	79
150	95	55	120	95	3	79
200	95	55	147,5	95	3	79

Sightglass to DIN 28 121

DN	A	B	C	D	E
50	95	55	68	91	79
80	95	55	75	91	79
100	95	55	87,5	91	79
125	95	55	100	91	79
150	95	55	112,5	91	79
200	95	55	137,5	91	79

Sightglass to DIN 11 851

DN	A	B	C	D	E	F
50	95	55	33	74	3	79
65	95	55	39	74	3	79
80	95	55	47	74	3	79
100	95	55	57	74	3	79
125	95	55	69	74	3	79
150	95	55	82	74	3	79

Sightglass to DIN 11 851

DN	A	B	C	D	E
50	95	55	33	73	79
65	95	55	39	73	79
80	95	55	47	73	79
100	95	55	57	73	79
125	95	55	69	73	79
150	95	55	82	73	79

Do you wish for more information about our wide range of light fittings for use in hazardous or safe areas, about our range of circular sightglasses to DIN 28120/28121, screwed sightglasses similar to DIN 11851, rectangular or D-ended sightglasses, pipeline flow indicators, sideways or centrally operated wipers, hinged sightglasses, spraying devices or our complete sight and lightglass units VETROLUX®? Are you interested in other types, special versions or different protection degrees? If yes, please contact us – it is our business! You will find the necessary indications about our company on the Internet.

1) All dimensions in mm.
2) Subject to changes without preliminary notice.