

LED sightglass light fittings

Series BKVLR LED in stainless steel for use in safe areas



Sightglass light fitting type BKVLR LED DSch, 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 BKVLR LED DSch1, 24 V, with built-in momentary push-button "D", mounted with tilting hinge "Sch1" on screwed sightglass similar to DIN 11581, DN 100, PN 6, for application "view and light through one assembly".

The miniature sightglass light fittings of the series BKVLR LED **entirely in stainless steel** 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 tilting hinge "Sch"/"Sch 1"
- **Brilliant and dazzle free illumination**, even of difficult media due to state-of-the-art LED technology
- **Extremely small** dimensions providing **high lighting power**
- For use in version "view and light through one assembly" as well as for the two port system
- Insensitive to vibrations
- Suitable for continuous operation
- **Cold light outlet**
- Very long **life span** (up to approximately 20'000–50'000 operating hours)

Application:

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

Operating conditions:

Independent of internal vessel pressure and vacuum. Admitted for ambient temperatures from - 20 °C to + 40 °C.

Construction:

Housing and fixation elements **in stainless steel**. Cable gland Pg 9, vertical. On request with right angle cable gland ("K2"). Built-in, sealed push-button for momentary operation "D" (standard), on request also available without (without the "D" in the type designation). Built-in closing glass disc. Gaskets resistant against corrosion and alteration.

Technical data:

Terminal voltage: 24 V AC / DC*
 Power: 1, 2 or 4 W, with wide ("flood" version; standard) or concentrated ("spot" version; on request for 2 W version) beam of light
 Light source: Diodes
 Weight: 0,30 kg (without fixation)
 Fixation "Sch" 0,03 kg, fixation "Sch1" 0,03 kg

* 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.

Enclosure protection degree:

IP 65, dust and spray water tight, to EN 60529 / DIN VDE 0470 part 1.

Admitted for use in food processing industries.

Mounting:

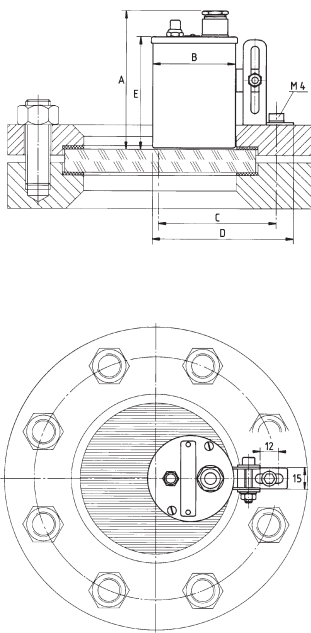
The luminaire is normally mounted by means of its fixation elements, suitably slotted to take a fixing bolt M4. This bolt fits a drilled and tapped hole in the cover flange of a sightglass to DIN 28120 / 28121 or similar as well as in the grooved collar nut of a screwed sightglass similar to DIN 11851.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

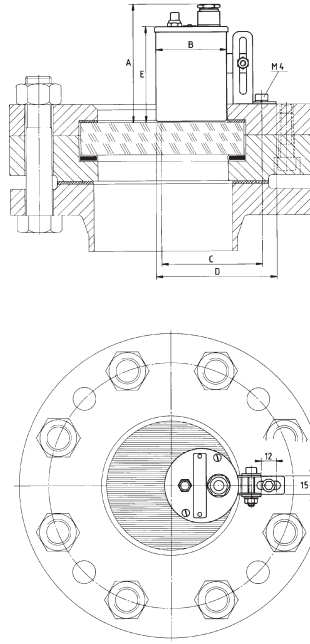
The following dimensions are valid for the types BKVLR LED (D) Sch / Sch1:

Type BKVLR LED (D)Sch



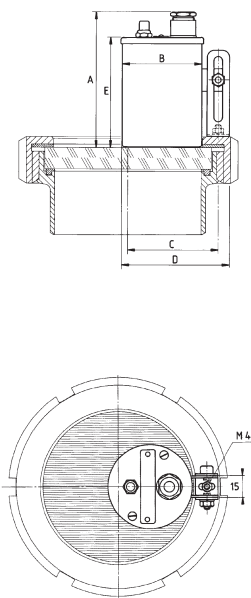
Fixation "Sch"

Type BKVLR LED (D)Sch



Fixation "Sch"

Type BKVLR LED (D)Sch1



Fixation "Sch1"

**Sightglass to
DIN 28120**

DN	A	B	C	D	E
50	90	53	64	90	73
80	90	53	74	90	73
100	90	53	87	90	73
125	90	53	100	90	73
150	90	53	112	90	73
200	90	53	137	90	73

**Sightglass to
DIN 28121**

DN	A	B	C	D	E
50	90	53	56	90	73
80	90	53	64	90	73
100	90	53	74	90	73
125	90	53	87	90	73
150	90	53	87	90	73
200	90	53	100	90	73

**Screwed sightglass similar to
DIN 11851**

DN	A	B	C	D	E
50	90	53	33	72	73
65	90	53	39	72	73
80	90	53	47	72	73
100	90	53	57	72	73
125	90	53	69	72	73
150	90	53	82	72	73

Branch office / exclusive agent:

Do you wish for more information about our wide range of light fittings for use in hazardous and safe areas, camera systems for hazardous 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, centrally or sideways 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, our branch office or our local agents – it is our business! You will find the necessary indications about our sales network on the Internet.

All dimensions in mm. Subject to changes without preliminary notice.



MAX MÜLLER AG

PROCESS ILLUMINATION AND VISUAL OBSERVATION SYSTEMS

Hagmattstrasse 19 • CH - 4123 Allschwil / Switzerland

Telephone +41 61 487 92 92 • Telefax +41 61 487 92 99

www.maxmuellerag.com E-Mail: blt@maxmuellerag.com