

Protective LED tube light lighting device

The lighting devices of Igema's level indicators have been equipped with innovative LED technology. Its use offers a number of advantages: they are very long-lasting, robust, insensitive to vibrations and consume little energy. The rational use of efficient, energy-saving light sources pays its way for the user and protects the environment.

This LED lighting has been developed specially for use in high ambient temperatures. In order to ensure a long operating life in these extreme conditions of use, only high temperature-resistant materials and components are used.

Application

This LED lighting device is part of the level indicator product range. The water level in a steam and water room is made visible by backlighting. The strong, directed light of Igema LED lights is focused on the viewing area of the level indicators. This guarantees optimum illumination of the steam and water room with minimum sideways dazzle.

Areas of use are:

- Transparent indicators of glass and glass mica types
- Transparent indicators of mica and black and white mica types
- Type G remote indicators

There are three different light tube lengths used depending on the viewing length. Light tubes of different power levels are used depending on the thickness of the mica wafers so as to provide the best possible illumination of the viewing area. You will find a summary of all the types of lighting in the tables on Page 2.



General technical data

Protection type according to DIN EN 60529	IP67
Operating voltage	230V 50Hz or 110-120V 60Hz
Output	5-7W
Electrical fuses	T 200mA
Electrical connection	3 m connector cable pre-manufactured with core end sheaths
Max. ambient temperature	Ta = 70 ° C
Light tube diameter	70 mm
Light tube length	See following tables

Glass-glass and glass-mica

Size	Light	Length	LEDs	Art. no.
Connection voltage 230V 50Hz				
7 & 8	LED-320-230-L	320 mm	57	15-06358
9 & 10	LED-370-230-L	370 mm	66	15-06364
11	LED-440-230-L	440 mm	80	15-06370
Connection voltage 110-120V 60Hz				
7 & 8	LED-320-110-L	320 mm	57	15-06359
9 & 10	LED-370-110-L	370 mm	66	15-06365
11	LED-440-110-L	440 mm	80	15-06371

Remote indicator

Size	Light	Length	LEDs	Art. no.
Connection voltage 230V 50Hz				
310	LED-370-230-H	370 mm	66	15-06360
390	LED-440-230-H	440 mm	80	15-06366
Connection voltage 110-120V 60Hz				
310	LED-370-110-H	370 mm	66	15-06362
390	LED-440-110-H	440 mm	80	15-06368

Mica and black and white up to PS=100 bar

Size	Light	Length	LEDs	Art. no.
Connection voltage 230V 50Hz				
7 & 8	LED-320-230-H	320 mm	57	15-06354
9 & 10	LED-370-230-H	370 mm	66	15-06360
11	LED-440-230-H	440 mm	80	15-06366
Connection voltage 110-120V 60Hz				
7 & 8	LED-320-110-H	320 mm	57	15-06356
9 & 10	LED-370-110-H	370 mm	66	15-06362
11	LED-440-110-H	440 mm	80	15-06368

Mica and black and white from PS=160 bar upwards

Size	Light	Length	LEDs	Art. no.
Connection voltage 230V 50Hz				
7 & 8	LED-320-230-H	320 mm	57	15-06355
9 & 10	LED-370-230-H	370 mm	66	15-06361
11	LED-440-230-H	440 mm	80	15-06367
Connection voltage 110-120V 60Hz				
7 & 8	LED-320-110-H	320 mm	57	15-06357
9 & 10	LED-370-110-H	370 mm	66	15-06363
11	LED-440-110-H	440 mm	80	15-06369

