VARIOLINE LIGHT
LED 021/022

LED 021
Motion sensor and screw mount
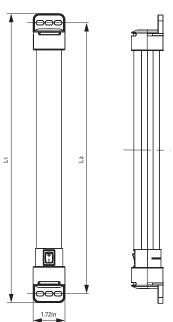
LED 022
On/off switch and magnet mount

LED 021/022
magnet or screw mount

LED 021/022
side view

> **High luminous flux**
> **Integrated power unit**
> **Durable and maintenance-free LED technology**

> **Daisy chain**
> **On/off switch or movement sensor**
> **Magnet or screw fixing**

The LED 021/022 Varioline is a powerful and compact LED light for use in enclosures. Its LED tube emits more than 1,000/1,700 Lm at only 11 W/16 W power consumption, thereby illuminating even very large enclosures in their full depth and height. The glare-free, 360° rotatable LED tube uses Mid-power LEDs with a service life of 60,000 h. The emitted daylight color of 6,500 K provides safety for the user by a natural and non-fading color reproduction.
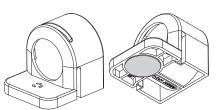
TECHNICAL DATA

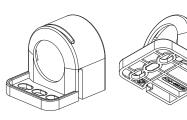|	
Power consumption	max. 11 W/16 W
Operating voltage	AC 100 – 240 V, 50/60 Hz (min. AC 90 V, max. AC 265 V)
Luminous flux	1,080 Lm/1,730 Lm
Lamp type	LED, angle of radiation 120° light color: daylight, color temperature: 6,500 K
Service life	60,000 h at +68 °F (+20 °C)
Connection	2-pole connector with snap lock AC: max. 2.5 A / AC 240 V, color: white
Mounting	magnets or M5 screws (not included), torque 2 Nm max.
Housing	plastic, translucent
Dimensions	see drawings
Weight	approx. 7 oz./10.6 oz. (200 g/300 g)
Operating/Storage temperature	-22 to +104 °F (-30 to +40 °C) / -40 to +185 °F (-40 to +85 °C)
Operating/Storage humidity	max. 90 % RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)

Mounting options: The lights are available with magnet mount for easy positioning in any steel cabinet or enclosure. A classic is the LED 021/022 with M5 screws (not included). With a total rotation angle of 360° it provides perfect illumination.

Note: The light must not be used for household lighting.

Magnet mount view

Screw mount view

Size1: LED 021
L1 = 15.8" (400 mm)
L2 = 14.8" (375 mm)

Size 2: LED 022
L1 = 23.6" (600 mm)
L2 = 22.6" (575 mm)

Size 1: L1 = 15.8" (400 mm)		Size 2: L1 = 23.6" (600 mm)		Switch	Approvals		
Part No. Magnet mount	**Part No. Screw mount**	**Part No. Magnet mount**	**Part No. Screw mount**				
02100.0-30	02100.0-00	02200.0-30	02200.0-00	On/off switch	UL File No. E234324	VDE	EAC
02110.0-30	02110.0-00	02210.0-30	02210.0-00	PIR motion sensor[1]	UL File No. E234324	VDE	EAC
02120.0-30	02120.0-00	02220.0-30	02220.0-00	without switching option	UL File No. E234324	VDE	EAC

[1] approx. 5 min. fixed switch-on duration

ACCESSORIES LED 021/022

Connectors and cables for electrical connection are not included in the delivery of the LED 021/022. These parts can be ordered separately.
Sets, consisting of lamp and accessories, are available on request. Likewise, custom cables are available on request.

SET WITH FEMALE CONNECTOR

▶ Varioline LED enclosure lamps are also available as a set including the connector Part No. 264057.
Simply add **-0003** to the part number of the required lamp. For example: 02100.0-30-**0003**

FEMALE / MALE CONNECTORS

Photo: Female connector, Part No. 264057   Photo: Male connector, Part No. 264058

Part No.	Model	Voltage type	Color	Use for	Wire cross-section[1]	Approvals
264057	female connector	AC	white	power input	AWG 14-20 (0.5-2.5 mm^2)	VDE + UL
264058	male connector	AC	white	power output	AWG 14-20 (0.5-2.5 mm^2)	VDE + UL

[1] applies to rigid and stranded wire. Wire end ferrules must be used when connecting with stranded wires

CONNECTION CABLE WITH FEMALE CONNECTOR AND OPEN END

① Photo: Connection cable, Part No. 244356

Part No.	Model	Length	Voltage type	Color	Use for	Approvals[2]
244356	connection cable 2 x 1.5 mm^2 with female connector	6.56 ft (2.0 m)	AC	connector: white; cable: white	power input	VDE
244357	connection cable 2 x AWG 16 with female connector	6.56 ft (2.0 m)	AC	connector: white; cable: white	power input	VDE + UL

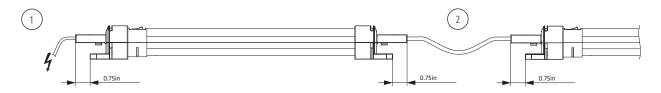[2] applies only to the individual components (cable and connectors)

EXTENSION CABLE WITH 2 CONNECTORS FOR DAISY CHAIN CONNECTION

② Photo: Extension cable, Part No. 244358

Part No.	Model	Length	Voltage type	Color	Use for	Approvals[2]
244358	extension cable 2 x 1.5 mm^2 with 2 connectors	3.28 ft (1.0 m)	AC	connectors: white; cable: white	daisy chain	VDE
244359	extension cable 2 x AWG 16 with 2 connectors	3.28 ft (1.0 m)	AC	connectors: white; cable: white	daisy chain	VDE + UL

[2] applies only to the individual components (cable and connectors)

CONNECTION EXAMPLE

This illustration shows the LED 021/022 light in a daisy chain application. The lights are conveniently connected via connection plugs - up to 8 lights max. can be daisy-chained this way.
The snap lock connectors ensure a stable electrical connection even if subjected to heavy vibration. The connection example shows a AC 230 V application, using the following cables:
connection cable with female connector, Part No. 244356 (1); daisy chain extension cable with 2 connectors, Part No. 244358 (2).

Female/male connectors are also available to assemble cables in non-standard lengths.