

VARIOLINE LIGHT

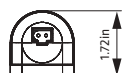
LED 021/022

LED 021
Motion sensor and
screw mount

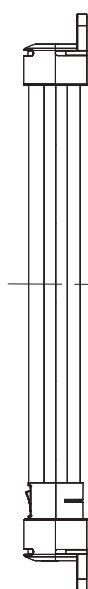
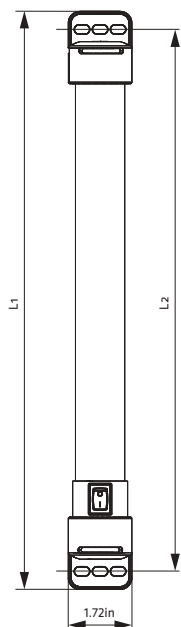
LED 022
On/off switch
and magnet mount



LED 021/022
magnet or
screw mount



LED 021/022
side view



Size 1: 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)

- > 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.



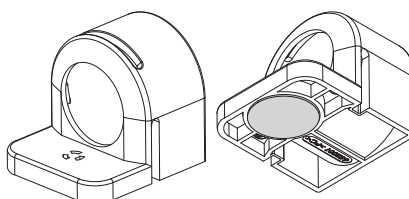
TECHNICAL DATA

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)

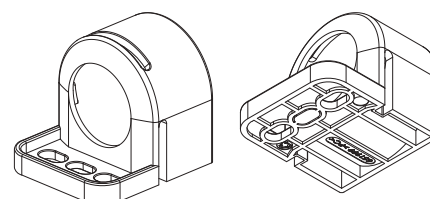
Mounting options: The lights are available with magnet mount for easy positioning in any steel cabinet or enclosure. A classic is the LED 021/022 with M5 screws (not included). With a total rotation angle of 360° it provides perfect illumination.

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

Magnet mount view



Screw mount view



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



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

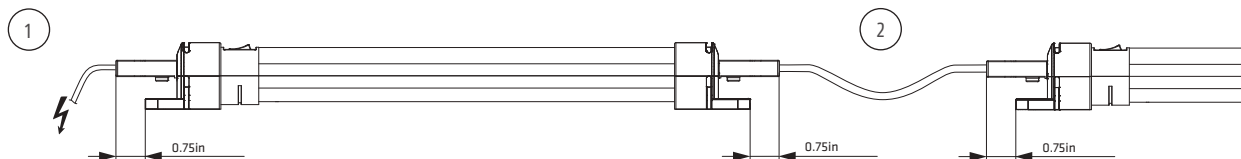


Photo: Extension cable, Part No. 244358

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.