VARIOLINE LAMP WITH SOCKET

LED 121/122

- > High luminous flux
- > Integrated socket
- > Durable and maintenance free LED technology
- > Integrated power unit
- > Daisy chain
- > On/off switch, movement sensor or connection for external door switch

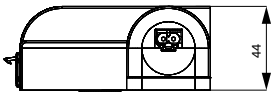
LED 121
On/off switch and screw fixing

LED 122
Movement sensor and magnet fixing

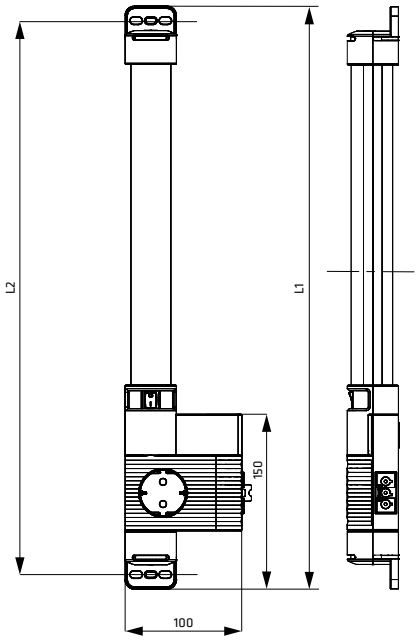


The LED 121/122 Varioline is a powerful and compact LED lamp with integrated socket for use in enclosures. Featuring socket standards of many European countries as well as the US and Australia, it allows for the power connection of laptops and diagnostic devices. Its LED tube emits more than 1,000/1,700 Lm thereby illuminating even very large enclosures in their full depth and height. The glare-free, 120° rotatable light tube uses Mid-power LEDs with a service life of 60,000 h.

LED 121/122
magnet/screw fixing



LED 121/122
side view



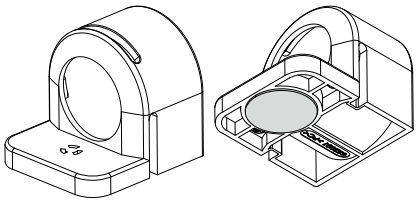
TECHNICAL DATA

Power consumption	max. 11 W/16 W
Operating voltage	AC 220 - 240 V, 50/60 Hz (min. AC 200 V, max. AC 265 V) AC 120 V, 50/60 Hz (min. AC 110 V, max. AC 130 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 +20 °C (+68 °F)
Connection	3-pole connector with snap lock AC: max. 16 A / AC 240 V, color: white
Mounting	magnet fixing or screw fixing (M5), torque 2 Nm max.
Casing	plastic, translucent
Dimensions	see drawings
Weight	approx. 0.3 kg/0.4 kg
Operating/Storage temperature	-30 to +40 °C (-22 to +104 °F) / -40 to +85 °C (-40 to +185 °F)
Operation/Storage humidity	max. 90 % RH (non-condensing)
Protection type/Protection class	IP20 / I (earthed)

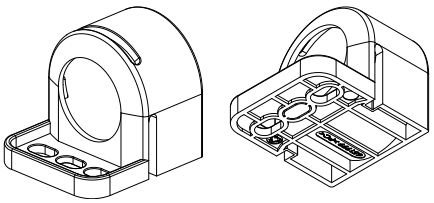
Mounting options: The lamps are available with magnet fixing for easy positioning in any steel cabinet or enclosure. A classic is the LED 121/122 with screw fixing. With a total rotation angle of 120° it provides perfect illumination.

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

View of magnet fixing



View of screw fixing



LED 121 (Size 1)
L1 = 500 mm
L2 = 475 mm

LED 122 (Size 2)
L1 = 700 mm
L2 = 675 mm

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VARIOLINE LED 121/122 ON/OFF SWITCH

Size 1: L1 = 500 mm		Size 2: L1 = 700 mm		Operating voltage	Socket	Nominal current of socket	Approvals		
Art. No. Magnet fixing	Art. No. Screw fixing	Art. No. Magnet fixing	Art. No. Screw fixing						
12100.0-30	12100.0-00	12200.0-30	12200.0-00	AC 220 – 240 V, 50/60 Hz	Germany/Russia (1)	16.0 A	VDE	–	EAC
12101.0-30	12101.0-00	12201.0-30	12201.0-00	AC 220 – 240 V, 50/60 Hz	FR/PL/CZ/SK (2)	16.0 A	VDE	–	EAC
12102.0-30	12102.0-00	12202.0-30	12202.0-00	AC 220 – 240 V, 50/60 Hz	Switzerland (3)	10.0 A	–	–	EAC
12103.0-30	12103.0-00	12203.0-30	12203.0-00	AC 220 – 240 V, 50/60 Hz	UK/Ireland (4)	13.0 A	VDE	–	EAC
12104.0-30	12104.0-00	12204.0-30	12204.0-00	AC 120 V, 50/60 Hz	USA/Canada (5)	15.0 A	–	UL File No. E234324	EAC
12105.0-30	12105.0-00	12205.0-30	12205.0-00	AC 220 – 240 V, 50/60 Hz	Italy (6)	16.0 A	VDE	–	EAC
12107.0-30	12107.0-00	12207.0-30	12207.0-00	AC 220 – 240 V, 50/60 Hz	Australia (7)	10.0 A	VDE	–	EAC

VARIOLINE LED 121/122 PIR MOVEMENT SENSOR[1]

Size 1: L1 = 500 mm		Size 2: L1 = 700 mm		Operating voltage	Socket	Nominal current of socket	Approvals		
Art. No. Magnet fixing	Art. No. Screw fixing	Art. No. Magnet fixing	Art. No. Screw fixing						
12110.0-30	12110.0-00	12210.0-30	12210.0-00	AC 220 – 240 V, 50/60 Hz	Germany/Russia (1)	16.0 A	VDE	–	EAC
12111.0-30	12111.0-00	12211.0-30	12211.0-00	AC 220 – 240 V, 50/60 Hz	FR/PL/CZ/SK (2)	16.0 A	VDE	–	EAC
12112.0-30	12112.0-00	12212.0-30	12212.0-00	AC 220 – 240 V, 50/60 Hz	Switzerland (3)	10.0 A	–	–	EAC
12113.0-30	12113.0-00	12213.0-30	12213.0-00	AC 220 – 240 V, 50/60 Hz	UK/Ireland (4)	13.0 A	VDE	–	EAC
12114.0-30	12114.0-00	12214.0-30	12214.0-00	AC 120 V, 50/60 Hz	USA/Canada (5)	15.0 A	–	UL File No. E234324	EAC
12115.0-30	12115.0-00	12215.0-30	12215.0-00	AC 220 – 240 V, 50/60 Hz	Italy (6)	16.0 A	VDE	–	EAC
12117.0-30	12117.0-00	12217.0-30	12217.0-00	AC 220 – 240 V, 50/60 Hz	Australia (7)	10.0 A	VDE	–	EAC

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

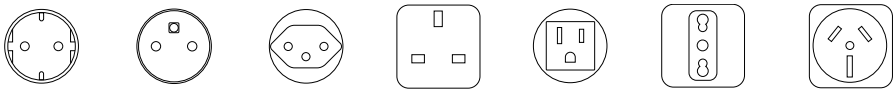
VARIOLINE LED 121/122 WITH CONNECTION FOR EXTERNAL DOOR SWITCH

Size 1: L1 = 500 mm		Size 2: L1 = 700 mm		Operating voltage	Socket	Nominal current of socket	Approvals		
Art. No. Magnet fixing	Art. No. Screw fixing	Art. No. Magnet fixing	Art. No. Screw fixing						
12120.0-30	12120.0-00	12220.0-30	12220.0-00	AC 220 – 240 V, 50/60 Hz	Germany/Russia (1)	16.0 A	VDE	–	EAC
12121.0-30	12121.0-00	12221.0-30	12221.0-00	AC 220 – 240 V, 50/60 Hz	FR/PL/CZ/SK (2)	16.0 A	VDE	–	EAC
12122.0-30	12122.0-00	12222.0-30	12222.0-00	AC 220 – 240 V, 50/60 Hz	Switzerland (3)	10.0 A	–	–	EAC
12123.0-30	12123.0-00	12223.0-30	12223.0-00	AC 220 – 240 V, 50/60 Hz	UK/Ireland (4)	13.0 A	VDE	–	EAC
12124.0-30	12124.0-00	12224.0-30	12224.0-00	AC 120 V, 50/60 Hz	USA/Canada (5)	15.0 A	–	UL File No. E234324	EAC
12125.0-30	12125.0-00	12225.0-30	12225.0-00	AC 220 – 240 V, 50/60 Hz	Italy (6)	16.0 A	VDE	–	EAC
12127.0-30	12127.0-00	12227.0-30	12227.0-00	AC 220 – 240 V, 50/60 Hz	Australia (7)	10.0 A	VDE	–	EAC

VARIOLINE LED 121/122 WITHOUT SWITCHING OPTION

Size 1: L1 = 500 mm		Size 2: L1 = 700 mm		Operating voltage	Socket	Nominal current of socket	Approvals		
Art. No. Magnet fixing	Art. No. Screw fixing	Art. No. Magnet fixing	Art. No. Screw fixing						
12130.0-30	12130.0-00	12230.0-30	12230.0-00	AC 220 – 240 V, 50/60 Hz	Germany/Russia (1)	16.0 A	VDE	–	EAC
12131.0-30	12131.0-00	12231.0-30	12231.0-00	AC 220 – 240 V, 50/60 Hz	FR/PL/CZ/SK (2)	16.0 A	VDE	–	EAC
12132.0-30	12132.0-00	12232.0-30	12232.0-00	AC 220 – 240 V, 50/60 Hz	Switzerland (3)	10.0 A	–	–	EAC
12133.0-30	12133.0-00	12233.0-30	12233.0-00	AC 220 – 240 V, 50/60 Hz	UK/Ireland (4)	13.0 A	VDE	–	EAC
12134.0-30	12134.0-00	12234.0-30	12234.0-00	AC 120 V, 50/60 Hz	USA/Canada (5)	15.0 A	–	UL File No. E234324	EAC
12135.0-30	12135.0-00	12235.0-30	12235.0-00	AC 220 – 240 V, 50/60 Hz	Italy (6)	16.0 A	VDE	–	EAC
12137.0-30	12137.0-00	12237.0-30	12237.0-00	AC 220 – 240 V, 50/60 Hz	Australia (7)	10.0 A	VDE	–	EAC

(1) (2) (3) (4) (5) (6) (7)



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ACCESSORIES LED 121/122

Connetors and cables for electrical connection are not included in the delivery of the LED 121/122. These parts can be ordered separately.
Sets, consisting of lamp and accessories, are available on request. Likewise, custom cables are available on request.

LAMP-SET WITH FEMALE CONNECTOR

Varioline LED enclosure lamps are also available as a set including the connector Art. No. 264093. Simply add **-0003** to the article number of the required lamp.
For example: 12100.0-30-**0003**. Sets for lamps with external door switch contain in addition the male connector 264090.

FEMALE / MALE CONNECTORS



Photo: Female connector, Art. No. 264093



Photo: Female connector, Art. No. 264091



Photo: Male connector, Art. No. 264090

Art. No.	Model	Voltage type	Color	Use for	Wire cross-section[1]	Approvals
264093	female connector	AC	white	power input and daisy chain	0,75-2,5 mm² (AWG 14-18)	VDE + UL
264091	female connector	AC	white	power input	0,75-2,5 mm² (AWG 14-18)	VDE + UL
264090	male connector	AC	grey	door switch	0,5-2,5 mm² (AWG 14-20)	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, Art. No. 244422

Art. No.	Model	Length	Color	Use for	Approvals[2]
244422	connection cable 3 x 1.5 mm² with female connector	4.0 m	connector: white; cable: white	power input	VDE
244423	connection cable 3 x AWG 16 with female connector	4.0 m	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, Art. No. 244358

Art. No.	Model	Length	Color	Use for	Approvals[2]
244358	extension cable 2 x 1.5 mm² with 2 connectors	1.0 m	connectors: white; cable: white	daisy chain	VDE
244359	extension cable 2 x AWG 16 with 2 connectors	1.0 m	connectors: white; cable: white	daisy chain	VDE + UL

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

CONNECTION CABLE WITH MALE CONNECTOR AND OPEN END

3

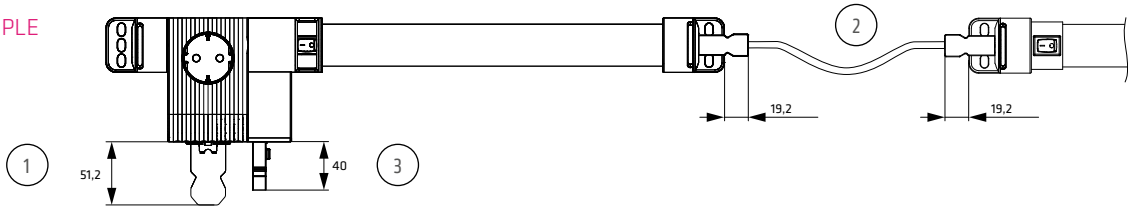


Photo: Connection cable, Art. No. 244424

Art. No.	Model	Length	Color	Use for	Approvals[2]
244424	connection cable 2 x 1.5 mm² with male connector	0.6 m	male connector: grey; cable: white	power output	VDE
244425	connection cable 2 x AWG 16 with male connector	0.6 m	male connector: grey; cable: white	power output	VDE + UL

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

CONNECTION EXAMPLE



The lamps are conveniently connected via connection plugs - up to 8 lamps max. can be daisy-chained this way. Female/male connectors are also available to assemble cables in non-standard lengths.

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