

# LAMP

## LED 025

LED 025 with on/off switch and magnet fixing

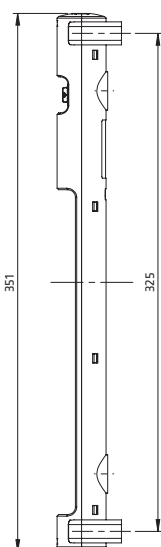
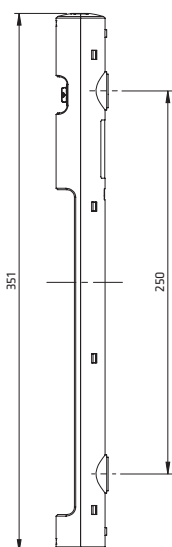


LED 025 with movement sensor and screw fixing

LED 025 with on/off switch and clip fixing

LED 025 with magnet or screw fixing

LED 025 with clip fixing



- > Wide voltage range
- > Integrated power unit
- > Long-lived and maintenance-free by LED technology

- > Daisy chain
- > On/off switch or movement sensor
- > Magnet, screw or clip fixing

The lamp series LED 025 is suitable for all types of panels and enclosures, especially where space is at a premium. The lamps have a very long service life thanks to the use of LED technology. Three different fixing options provide more flexibility for installation. The power output allows up to 10 lamps to be connected to each other (12VDC versions up to 5 lamps). Both the power input and output connectors snap lock into their sockets. With the integrated power unit and the plugs the lamp can quickly be connected.



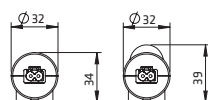
### TECHNICAL DATA

Power consumption	max. 5W
Luminosity	400Lm at 120° (1,200Lm at 360° or equivalent 95W light bulb)
Lamp type	LED, angle of radiation 120° light color: daylight, color temperature: 6,000K to 7,000K
Service life	60,000h at +20°C (+68°F)
Connection	2-pole connector with snap lock AC: max. 2.5A / 240VAC, color: white DC: max. 2.5A / 60VDC, color: blue
Mounting	magnet fixing or screw fixing (M5), clip fixing (M6), torque 2Nm max.
Casing	plastic, transparent
Dimensions	see drawings
Weight	0.2kg
Operating/Storage temperature	-30 to +60°C (-22 to +140°F) / -40 to +85°C (-40 to +185°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated), 12VDC: IP20 / III (extra-low voltage)

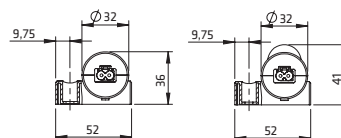
**Mounting options:** The lamps are available with magnet fixing for easy positioning in any steel cabinet or enclosure. A classic is the LED 025 with screw fixing. The clip holders exclusively designed for clip fixing of the LED 025 can be positioned anywhere in the cabinet by simply screwing the holders to the cabinet wall. The lamp is snapped into the clip holders and can be turned in both directions. With a total rotation angle of 180° it provides perfect illumination within the cabinet or enclosure.

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

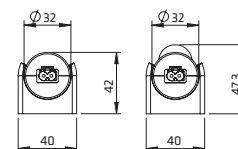
Side view magnet fixing



Side view screw fixing



Side view clip fixing



Art. No. Magnet fixing	Art. No. Screw fixing	Art. No. Clip fixing	Operating voltage	Switch	Approvals		
02540.0-00	02540.0-01	02540.0-03	100-240VAC, 50/60Hz (min. 90VAC, max. 265VAC)	on/off light switch	VDE	UL File No. E234324	EAC
02540.1-00	02540.1-01	02540.1-03	24-48VDC (min. 20VDC, max. 60VDC)	on/off light switch	VDE	UL File No. E234324	EAC
02540.2-00	02540.2-01	02540.2-03	12VDC (min. 10VDC, max. 16VDC)	on/off light switch	—	UL File No. E234324	EAC
02541.0-00	02541.0-01	02541.0-03	100-240VAC, 50/60Hz (min. 90VAC, max. 265VAC)	PIR movement sensor <sup>1</sup>	VDE	UL File No. E234324	EAC
02541.1-00	02541.1-01	02541.1-03	24-48VDC (min. 20VDC, max. 60VDC)	PIR movement sensor <sup>1</sup>	VDE	UL File No. E234324	EAC

<sup>1</sup> approx. 5 min. fixed switch-on duration

## ACCESSORIES

Connectors and cables for electrical connection are not included in the delivery of the LED 025. These parts can be ordered separately. Sets, consisting of lamp and accessories, are available on request.

### CONNECTION CABLE WITH FEMALE CONNECTOR AND OPEN END



Photo: Connection cable, Art. No. 244356

Art. No.	Model	Length	Voltage type	Color	Use for	Approvals <sup>2</sup>
244356	connection cable 2 x 1.5mm <sup>2</sup> with female connector	2.0m	AC	connector: white; cable: white	power input	VDE
244357	connection cable 2 x AWG 15 with female connector	2.0m	AC	connector: white; cable: white	power input	VDE + UL
244360	connection cable 2 x 1.5mm <sup>2</sup> with female connector	2.0m	24-48VDC	connector: blue; cable: white	power input	VDE
244361	connection cable 2 x AWG 15 with female connector	2.0m	24-48VDC	connector: blue; cable: white	power input	VDE + UL
244389	connection cable 2 x 1.5mm <sup>2</sup> with female connector	2.0m	12VDC	connector: blue; cable: white	power input	VDE
244390	connection cable 2 x AWG 15 with female connector	2.0m	12VDC	connector: blue; cable: white	power input	VDE + UL

<sup>2</sup> applies only to the individual components (cable and connectors)

### EXTENSION CABLE WITH 2 CONNECTORS FOR DAISY CHAIN CONNECTION



Photo: Extension cable, Art. No. 244358

Art. No.	Model	Length	Voltage type	Color	Use for	Approvals <sup>2</sup>
244358	extension cable 2 x 1.5mm <sup>2</sup> with 2 connectors	1.0m	AC	connectors: white; cable: white	daisy chain	VDE
244359	extension cable 2 x AWG 15 with 2 connectors	1.0m	AC	connectors: white; cable: white	daisy chain	VDE + UL
244362	extension cable 2 x 1.5mm <sup>2</sup> with 2 connectors	1.0m	24-48VDC	connectors: blue; cable: white	daisy chain	VDE
244363	extension cable 2 x AWG 15 with 2 connectors	1.0m	24-48VDC	connectors: blue; cable: white	daisy chain	VDE + UL
244391	extension cable 2 x 1.5mm <sup>2</sup> with 2 connectors	1.0m	12VDC	connectors: blue; cable: white	daisy chain	VDE
244392	extension cable 2 x AWG 15 with 2 connectors	1.0m	12VDC	connectors: blue; cable: white	daisy chain	VDE + UL

<sup>2</sup> applies only to the individual components (cable and connectors)

### FEMALE / MALE CONNECTORS



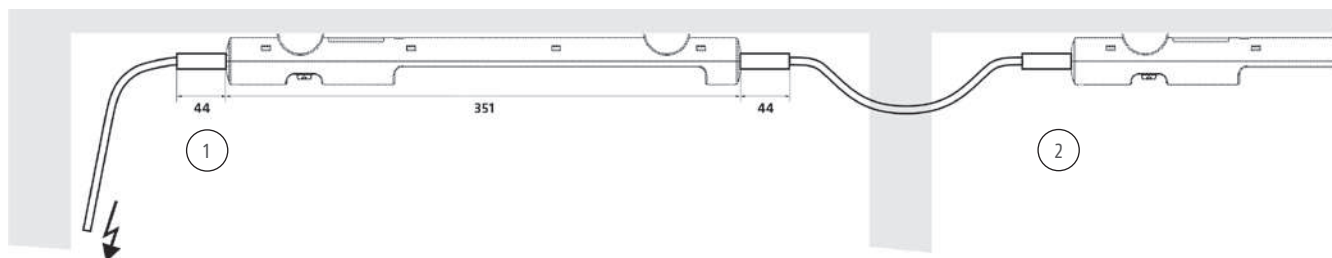
Photo: Female connector, Art. No. 264057



Photo: Male connector, Art. No. 264058

Art. No.	Model	Voltage type	Color	Use for	Approvals
264057	female connector	AC	white	power input	VDE + UL
264058	male connector	AC	white	power output	VDE + UL
264059	female connector	24-48VDC	blue	power input	VDE + UL
264060	male connector	24-48VDC	blue	power output	VDE + UL
264065	female connector	12VDC	blue	power input	VDE + UL
264066	male connector	12VDC	blue	power output	VDE + UL

### CONNECTION EXAMPLE



This illustration shows the LED 025 lamp in a daisy chain application. The lamps are conveniently connected via quick connection plugs – up to 10 (5) lamps 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 230VAC application, using the following cables: connection cable with female connector, Art. No. 244356 (1); daisy chain extension cable with 2 connectors, Art. No. 244358 (2).

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

# ECOLINE LAMP

## LED 025



- > Wide voltage range
- > Integrated power unit
- > Dual pressure connection clamp
- > Daisy chain

- > Magnet, screw or clip fixing
- > Long-lived and maintenance-free by LED technology

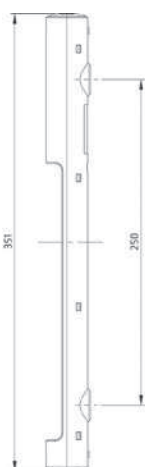
The lamp series LED 025 is suitable for all types of panels and enclosures, especially where space is at a premium. The lamps have a very long service life thanks to the use of LED technology. Three different fixing options provide more flexibility for installation. The Ecoline series is a simplified version of the standard LED 025 lamp and has a dual pressure clamp for connection instead of connectors. Nonetheless it is suitable for daisy-chaining and allows for up to 10 lamps to be connected to each other.



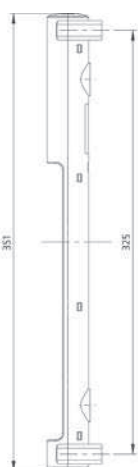
### TECHNICAL DATA

Power consumption	max. 5W
Luminosity	400Lm at 120° (1,200Lm at 360° or equivalent 95W light bulb)
Lamp type	LED, angle of radiation 120° light color: daylight, color temperature: 6,000K to 7,000K
Service life	60,000h at +20°C (+68°F)
Connection	2-pole dual pressure clamp for rigid wire 2.5mm <sup>2</sup> , stranded wire (with wire end ferrule) 1.5mm <sup>2</sup>
Mounting	magnet fixing or screw fixing (M5), clip fixing (M6), torque 2Nm max.
Casing	plastic, transparent
Dimensions	see drawings
Weight	0.2kg
Operating/Storage temperature	-30 to +60°C (-22 to +140°F) / -40 to +85°C (-40 to +185°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type/Protection class	IP20 / II (double insulated)

LED 025 with magnet or screw fixing



LED 025 with clip fixing



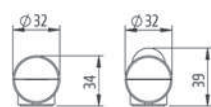
Ecoline Lamp LED 025 top view



**Mounting options:** The lamps are available with magnet fixing for easy positioning in any steel cabinet or enclosure. A classic is the LED 025 with screw fixing. The clip holders exclusively designed for clip fixing of the LED 025 can be positioned anywhere in the cabinet by simply screwing the holders to the cabinet wall. The lamp is snapped into the clip holders and can be turned in both directions. With a total rotation angle of 180° it provides perfect illumination within the cabinet or enclosure.

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

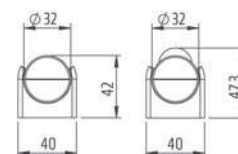
Side view magnet fixing



Side view screw fixing



Side view clip fixing



Art. No. Magnet fixing	Art. No. Screw fixing	Art. No. Clip fixing	Operating voltage	Switch	Approvals		
02540.0-10	02540.0-11	02540.0-13	100-240VAC, 50/60Hz (min. 90VAC, max. 265VAC)	on/off light switch	VDE (REG.-Nr. E788) <sup>1</sup>	UL File No. E234324	EAC
02540.3-10	02540.3-11	02540.3-13	100-240VAC, 50/60Hz (min. 90VAC, max. 265VAC) 90-110VDC (min. 80VDC, max. 125VDC)	on/off light switch	-	UL File No. E234324	EAC
02541.3-10	02541.3-11	02541.3-13	100-240VAC, 50/60Hz (min. 90VAC, max. 265VAC) 90-110VDC (min. 80VDC, max. 125VDC)	PIR movement sensor <sup>2</sup>	VDE (REG.-Nr. E788) <sup>1</sup>	UL File No. E234324	EAC
02542.3-10	02542.3-11	02542.3-13	100-240VAC, 50/60Hz (min. 90VAC, max. 265VAC) 90-110VDC (min. 80VDC, max. 125VDC)	N/A	VDE (REG.-Nr. E788) <sup>1</sup>	UL File No. E234324	EAC

<sup>1</sup> VDE Certificate of Conformity (REG.-Nr. E788); <sup>2</sup> approx. 5 min. fixed switch-on duration

# COMPACT LAMP

## KL 025



Lamp shown with protective plastic cover  
(see Accessories)

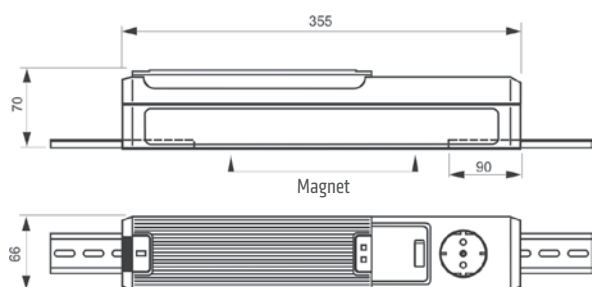
- > Magnetic or optional DIN rail mounting
- > Energy-saving lamp
- > Lamp without/with electrical socket (choice of sockets)
- > On/Off switch

The compact lamp KL 025 was especially designed for use in enclosures with electric/electronic components. A powerful magnet enables the lamp to be mounted freely in any desired position in metal enclosures saving time and installation problems. The integrated electrical socket allows the use of additional appliances.



### TECHNICAL DATA

Luminosity	900Lm (equals light bulb 75W/230VAC, 60W/120VAC)
Lamp type	compact fluorescent lamp with integral starter
Service life	5,000h
Switch	on/off light switch
Connection	3-pole terminal 2.5mm <sup>2</sup> with cable clamp, torque 0.8Nm max.
Mounting	magnet fixing
Casing	plastic, light grey
Dimensions	355 x 65 x 70mm
Weight	approx. 1kg
Fitting position	variable
Operating/Storage temperature	-20 to +50°C (-4 to +122°F) / -45 to +70°C (-49 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20
Accessories	lamp cover, Art. No. 09520.0-00 (see photo)



In plastic, aluminium or stainless steel cabinets the lamp can be fixed using screws together with inserted 35mm DIN rail sections.

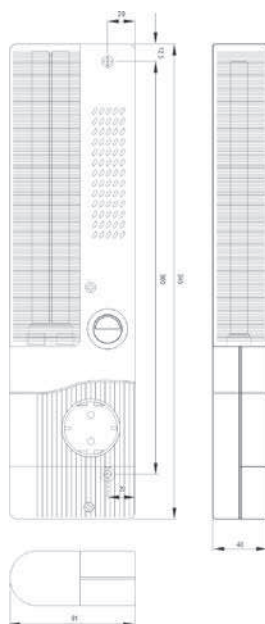
Art. No.	Operating voltage	Socket	Power consumption	Nominal current	Protection type	Approvals	
02500.0-00	230VAC, 50Hz	Germany/Russia (1)	11W	16A	I (earthed)	VDE	EAC
02500.0-07	230VAC, 50Hz	none	11W	-	II (double insulated)	-	EAC
02501.0-00	230VAC, 50Hz	F/PL/CZ/SK (2)	11W	16A	I (earthed)	-	EAC
02502.0-00	230VAC, 50Hz	Switzerland (3)	11W	10A	I (earthed)	-	EAC
02510.0-00	230VAC, 50Hz	UK/Ireland (4)	11W	13A	I (earthed)	-	EAC
02512.0-00	230VAC, 50Hz	Italy (6)	11W	16A	I (earthed)	-	EAC
02505.9-00	120VAC, 60Hz	USA/Canada (5)	9W	15A	I (earthed)	-	EAC
02505.9-01	120VAC, 60Hz	none	9W	-	II (double insulated)	-	EAC

# SLIMLINE LAMP WITH ON/OFF SWITCH

## SL 025



Photo: Slimline lamp with on/off switch, with integrated electric socket (Germany), Art. No. 02520.0-00



- > Slim casing
- > Electronic ballast
- > Lamp without/with electrical socket (choice of sockets)

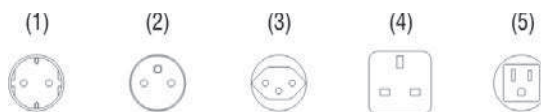
- > Magnet fixing (option)
- > Energy saving lamp
- > On/Off switch

The flat slimline lamp SL 025 is suitable for all types of panels and enclosures, especially where space is at a premium. The lamp can be mounted on its narrow or broad surface using screws. It is also available with a magnet which allows it to be fitted quickly in any position in a steel enclosure. Both versions are available with an integrated electrical socket enabling the use of additional appliances.



### TECHNICAL DATA

Power consumption	11W
Luminosity	900Lm (equals 75W light bulb)
Lamp type	energy saving lamp, 2G7 socket
Service life	10,000h
Switch	on/off light switch
Connection	terminal 2.5mm <sup>2</sup> with cable clamp, torque 0.8Nm max.
Mounting	screw fixing, M5, 300mm centers magnet fixing (optional)
Casing	plastic according to UL94 V-0, light grey
Dimensions	345 x 91 x 40mm
Fitting position	narrow surface/broad surface
Operating/Storage temperature	-20 to +50°C (-4 to +122°F) / -45 to +70°C (-49 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20



Art. No.	Model	Operating voltage	Socket	Nominal current	Weight (approx.)	Protection class	Approvals		
02520.0-00	without magnet	230VAC, 50/60Hz	Germany/Russia (1)	16.0A	0.4kg	I (earthed)	VDE	-	EAC
02520.1-01	with magnet	230VAC, 50/60Hz	Germany/Russia (1)	16.0A	0.5kg	I (earthed)	VDE	-	EAC
02521.0-00	without magnet	230VAC, 50/60Hz	F/PL/CZ/SK (2)	16.0A	0.4kg	I (earthed)	VDE	-	EAC
02521.1-04	with magnet	230VAC, 50/60Hz	F/PL/CZ/SK (2)	16.0A	0.5kg	I (earthed)	VDE	-	EAC
02522.0-00	without magnet	230VAC, 50/60Hz	Switzerland (3)	10.0A	0.4kg	I (earthed)	VDE	-	EAC
02522.1-01	with magnet	230VAC, 50/60Hz	Switzerland (3)	10.0A	0.5kg	I (earthed)	VDE	-	EAC
02523.0-00	without magnet	230VAC, 50/60Hz	UK/Ireland (4)	13.0A	0.4kg	I (earthed)	VDE	-	EAC
02523.1-05	with magnet	230VAC, 50/60Hz	UK/Ireland (4)	13.0A	0.5kg	I (earthed)	VDE	-	EAC
02524.0-01	without magnet	120VAC, 50/60Hz	USA/Canada (5)	15.0A	0.4kg	I (earthed)	-	UL File No. E234324	EAC
02524.1-05	with magnet	120VAC, 50/60Hz	USA/Canada (5)	15.0A	0.5kg	I (earthed)	-	UL File No. E234324	EAC
02527.0-00	without magnet	230VAC, 50/60Hz	none	-	0.4kg	II (double insulated)	VDE	UL File No. E234324	EAC
02527.1-14	with magnet	230VAC, 50/60Hz	none	-	0.5kg	II (double insulated)	VDE	-	EAC
02527.0-10	without magnet	120VAC, 50/60Hz	none	-	0.4kg	II (double insulated)	-	UL File No. E234324	EAC
02527.1-11	with magnet	120VAC, 50/60Hz	none	-	0.5kg	II (double insulated)	-	UL File No. E234324	EAC
02525.0-00	without magnet	24-48VDC	none	-	0.4kg	II (double insulated)	VDE	UL File No. E234324	EAC
02525.1-01	with magnet	24-48VDC	none	-	0.5kg	II (double insulated)	VDE	UL File No. E234324	EAC

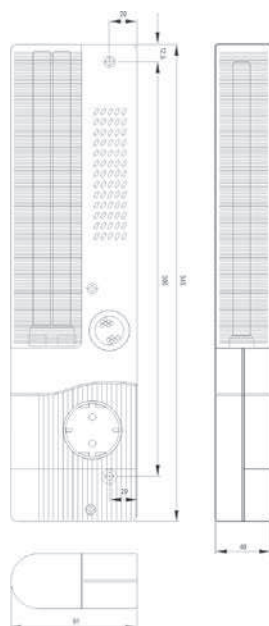
Note: The slimline lamp SL 025 is also available with a 19" front panel.

# SLIMLINE LAMP WITH MOVEMENT SENSOR

## SL 025



Photo: Slimline lamp with movement sensor and with integrated electric socket (Germany), Art. No. 02520.0-03



- > Slim casing
- > Electronic ballast
- > Lamp without/with electrical socket (choice of sockets)
- > Magnet fixing (option)
- > Energy saving lamp
- > Automatic switching

The flat slimline lamp SL 025 with movement sensor is suitable for all types of panels and enclosures, especially where space is at a premium. The lamp can be mounted on its narrow or broad surface using screws. It is also available with a magnet which allows it to be fitted quickly in any position in a steel enclosure. Both versions are available with an integrated electrical socket enabling the use of additional appliances. The movement sensor substitutes a door contact switch.



### TECHNICAL DATA

Power consumption	11W
Luminosity	900Lm (equals 75W light bulb)
Lamp type	energy saving lamp, 2G7 socket
Service life	10,000h
Switch	PIR movement sensor, approx. 6 min. fixed switch-on duration
Connection	terminal 2.5mm <sup>2</sup> with cable clamp, torque 0.8Nm max.
Mounting	screw fixing, M5, 300mm centers, magnet fixing (optional)
Casing	plastic according to UL94 V-0, light grey
Dimensions	345 x 91 x 40mm
Fitting position	narrow surface/broad surface
Operating/Storage temperature	-20 to +50°C (-4 to +122°F) / -45 to +70°C (-49 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20

The PIR movement sensor switches the lighting on when the enclosure door is opened. The switch-on time is reset with every further registered movement. The movement sensor does not react to movement on the other side of glass and so can be used in enclosures with glass doors.



Art. No.	Model	Operating voltage	Socket	Nominal current	Weight (approx.)	Protection class	Approvals		
02520.0-03	without magnet	230VAC, 50/60Hz	Germany/Russia (1)	16A	0.4kg	I (earthed)	VDE	-	EAC
02520.1-04	with magnet	230VAC, 50/60Hz	Germany/Russia (1)	16A	0.5kg	I (earthed)	VDE	-	EAC
02521.0-03	without magnet	230VAC, 50/60Hz	F/PL/CZ/SK (2)	16A	0.4kg	I (earthed)	VDE	-	EAC
02521.1-05	with magnet	230VAC, 50/60Hz	F/PL/CZ/SK (2)	16A	0.5kg	I (earthed)	VDE	-	EAC
02522.0-03	without magnet	230VAC, 50/60Hz	Switzerland (3)	10A	0.4kg	I (earthed)	VDE	-	EAC
02522.1-04	with magnet	230VAC, 50/60Hz	Switzerland (3)	10A	0.5kg	I (earthed)	VDE	-	EAC
02523.0-03	without magnet	230VAC, 50/60Hz	UK/Ireland (4)	13A	0.4kg	I (earthed)	VDE	-	EAC
02523.1-04	with magnet	230VAC, 50/60Hz	UK/Ireland (4)	13A	0.5kg	I (earthed)	VDE	-	EAC
02524.0-04	without magnet	120VAC, 50/60Hz	USA/Canada (5)	15A	0.4kg	I (earthed)	-	UL File No. E234324	EAC
02524.1-06	with magnet	120VAC, 50/60Hz	USA/Canada (5)	15A	0.5kg	I (earthed)	-	UL File No. E234324	EAC
02527.0-04	without magnet	230VAC, 50/60Hz	none	-	0.4kg	II (double insulated)	VDE	UL File No. E234324	EAC
02527.1-15	with magnet	230VAC, 50/60Hz	none	-	0.5kg	II (double insulated)	VDE	-	EAC
02527.0-12	without magnet	120VAC, 50/60Hz	none	-	0.4kg	II (double insulated)	-	UL File No. E234324	EAC
02527.1-17	with magnet	120VAC, 50/60Hz	none	-	0.5kg	II (double insulated)	-	UL File No. E234324	EAC
02525.0-03	without magnet	24-48VDC	none	-	0.4kg	II (double insulated)	VDE	UL File No. E234324	EAC
02525.1-04	with magnet	24-48VDC	none	-	0.5kg	II (double insulated)	VDE	UL File No. E234324	EAC

Note: The slimline lamp SL 025 is also available with a 19" front panel.