



LEDERAM

Collection Preview

2014



Lederam is the latest evolution of Eco-Logic Light and combines LED technology with a new copper leaf finish. These small discs with their soft, warm colour enclose a next-generation mains voltage LED module, so no transformer is required and it can be dimmed. They are available in different combinations of colours.

*Enzo Catellani
working on Lederam
in his unique workshop.*



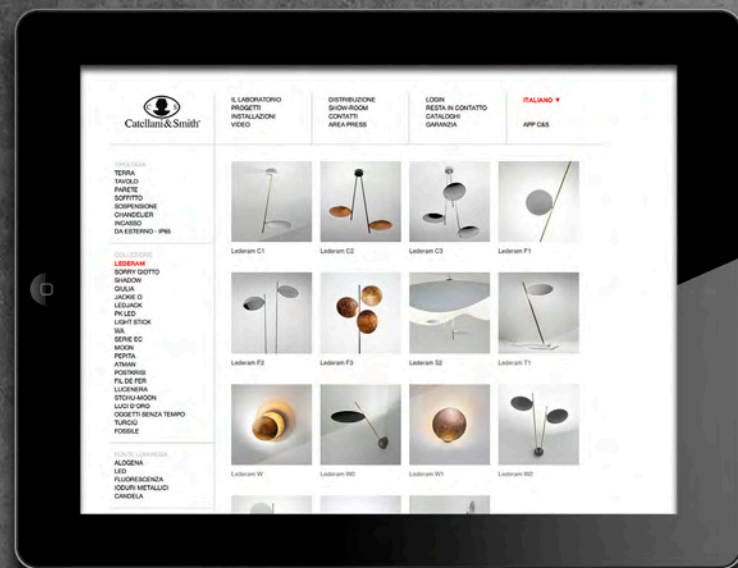










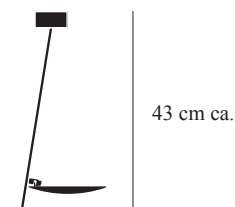


THE LAMPS

visit our new website to find
all information about the collection
www.catellanismith.com



Lederam C1 / ceiling lamp • made of metal rod and base, aluminium disc with nickel joint • available in different combinations of colours: black disc, copper or satin rod, black base; disc lined with gold or copper coloured leaf, black rod and base; white disc, gold or satin rod, white base; chrome disc, satin rod and base (see page 58)
• **LED**: interchangeable module 1x17W [warm white]
• energy class from A++ to A • **rated output**: 17W
• **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
dimensions: base Ø 7x2,5 cm, swiveling disc Ø 17 cm.
(in the picture: LC1502)



codes

warm white

LC1102 black/copper
LC1202 black/satin
LC1302 gold/black
LC1402 copper/black

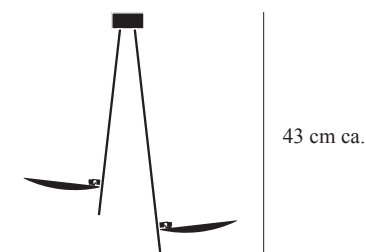
LC1502 white/gold
LC1602 white/satin
LC1702 chrome/satin



Lederam C2 / ceiling lamp • made of metal rods and base, aluminium discs with nickel joint • available in different combinations of colours: black discs, copper or satin rods, black base; discs lined with gold or copper coloured leaf, black rods and base; white discs, gold or satin rods, white base; chrome discs, satin rods and base (see page 58)

- **LED**: interchangeable module 2x17W [warm white]
- energy class from A++ to A • **rated output**: 34W
- **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
- dimensions**: base Ø 7x2,5 cm, swiveling discs Ø 17 cm.

(in the picture: LC2402)



codes

warm white

LC2102 black/copper
LC2202 black/satin
LC2302 gold/black
LC2402 copper/black

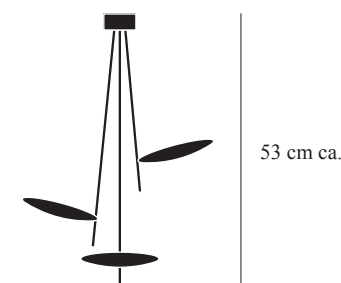
LC2502 white/gold
LC2602 white/satin
LC2702 chrome/satin



Lederam C3 / ceiling lamp • made of metal rods and base, aluminium discs with nickel joint • available in different combinations of colours: black discs, copper or satin rods, black base; discs lined with gold or copper coloured leaf, black rods and base; white discs, gold or satin rods, white base; chrome discs, satin rods and base (see page 58)

- **LED**: interchangeable module 3x17W [warm white]
- energy class from A++ to A • **rated output**: 51W
- **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
- dimensions**: base Ø 7x2,5 cm, swiveling discs Ø 17 cm.

(in the picture: LC3702)



codes

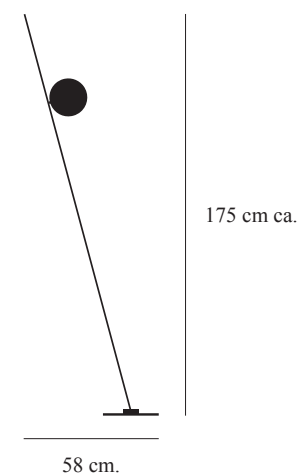
warm white

LC3102 black/copper
LC3202 black/satin
LC3302 gold/black
LC3402 copper/black

LC3502 white/gold
LC3602 white/satin
LC3702 chrome/satin



Lederam F1 / *standing lamp* • made of metal rod and base with aluminium disc, nickel joint • available in different combinations of colours: with black disc, copper or satin rod, black base; disc lined with gold or copper coloured leaf, black rod and base; white disc, gold or satin rod, white base; chrome disc, satin rod and base (see page 58) • **LED**: interchangeable module 1x17W [warm white] • energy class from A++ to A • **rated output**: 17W • **power supply**: voltage 230V, no driver required - with dimmer • available on request 110V with on/off switch • **dimensions**: base 20x20 cm, swiveling disc Ø 17 cm. (*in the picture: LF1502*)



codes

warm white

LF1102 black/copper
LF1202 black/satin
LF1302 gold/black
LF1402 copper/black

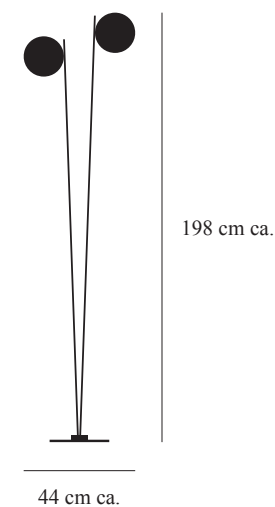
LF1502 white/gold
LF1602 white/satin
LF1702 chrome/satin



Lederam F2 / *standing lamp* • made of metal rods and base, aluminium discs with nickel joint • available in different combinations of colours: black discs, copper or satin rods, black base; discs lined with gold or copper coloured leaf, black rods and base; white discs, gold or satin rods, white base; chrome discs, satin rods and base (see page 58)

- **LED**: interchangeable module 2x17W [warm white]
- energy class from A++ to A • **rated output**: 34W
- **power supply**: voltage 230V, no driver required - with dimmer • available on request 110V with on/off switch •
- **dimensions**: base 23x23 cm, swiveling discs Ø 17 cm.

(in the picture: LF2702)



codes

warm white

LF2102 black/copper
LF2202 black/satin
LF2302 gold/black
LF2402 copper/black

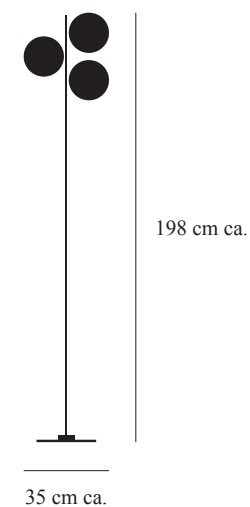
LF2502 white/gold
LF2602 white/satin
LF2702 chrome/satin



Lederam F3 / *standing lamp* • made of metal rod and base, aluminium discs with nickel joint • available in different combinations of colours: black discs, copper or satin rod, black base; discs lined with gold or copper coloured leaf, black rod and base; white discs, gold or satin rod, white base; chrome discs, satin rod and base (see page 58)

- **LED**: interchangeable module 3x17W [warm white]
- energy class from A++ to A • **rated output**: 51W
- **power supply**: voltage 230V, no driver required - with dimmer • available on request 110V with on/off switch •
- dimensions**: base 23x23 cm, swiveling discs Ø 17 cm.

(in the picture: LF3402)



codes

warm white

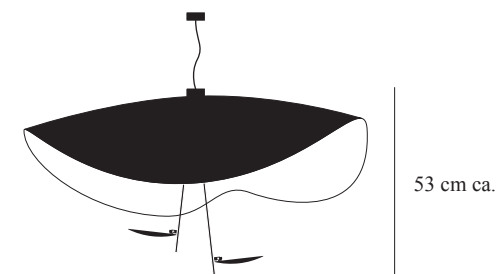
LF3102 black/copper
 LF3202 black/satin
 LF3302 gold/black
 LF3402 copper/black

LF3502 white/gold
 LF3602 white/satin
 LF3702 chrome/satin



Lederam S2 / pendant lamp • made of fiberglass shade, metal rods and aluminium discs with nickel joint • available in different combinations of colours: black shade lined internally with gold or copper coloured leaf, black rods, gold or copper coloured discs; shade entirely white, gold or satin rods, white discs; white shade lined internally with gold coloured leaf, satin rods and white discs (see page 58)

- **LED**: interchangeable modules 2x17W [warm white]
- energy class from A++ to A • **rated output**: 34W
- **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
- dimensions**: shade Ø 100 cm ca., swiveling discs Ø 17 cm, suspension cable 120 cm to be cut to size. (in the picture: LS2502)



codes

warm white

shade black/gold
LS2302 gold/black

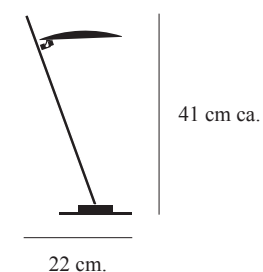
shade black/copper
LS2402 copper/black

shade white/white
LS2502 white/gold
LS2802 white/satin

shade white/gold
LS2602 white/satin



Lederam T1 / *table lamp* • made of metal rod and base, aluminium disc with nickel joint • available in different combinations of colours: black disc, copper or satin rod, black base; disc lined with gold or copper coloured leaf, black rod and base; white disc, gold or satin rod, white base; chrome disc, satin rod and base (see page 58) • **LED:** interchangeable module 1x17W [warm white] • energy class from A++ to A • **rated output:** 17W • **power supply:** voltage 230V, no driver required - with dimmer • available on request 110V with on/off switch • **dimensions:** base 15x15 cm, swiveling disc Ø 17 cm. (*in the picture: LT1702*)



codes

warm white

LT1102 black/copper
LT1202 black/satin
LT1302 gold/black
LT1402 copper/black

LT1502 white/gold
LT1602 white/satin
LT1702 chrome/satin



Lederam W / wall or ceiling lamp • made of metal base, aluminium discs with nickel joint • available in different combinations of colours: black discs internally lined with gold or copper coloured leaf, black base; discs entirely lined with gold or copper coloured leaf, white base; white discs internally lined with gold or copper coloured leaf, white base (see page 58) • **LED**: interchangeable module 1x17W [warm white] • energy class from A++ to A • **rated output**: 17W • **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V • **dimensions**: base Ø 7x2,5 cm, fixed and swiveling discs Ø 17 or 25 cm, ledge 9 cm ca. *(in the picture: LW25402)*



codes

Ø 17 cm, warm white

LW17102 black/copper

LW17202 black/gold

LW17302 gold

LW17402 copper

LW17502 white/gold

LW17602 white/copper

Ø 25 cm, warm white

LW25102 black/copper

LW25202 black/gold

LW25302 gold

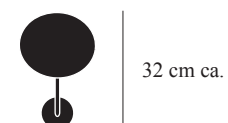
LW25402 copper

LW25502 white/gold

LW25602 white/copper



Lederam WO / wall lamp • made of metal rod and base, aluminium disc with nickel joint • available in different combinations of colours: black disc, copper or satin rod, black base; disc lined with gold or copper coloured leaf, black rod and base; white disc, gold or satin rod, white base; chrome disc, satin rod, white base (see page 58)
• **LED**: interchangeable module 1x17W [warm white]
• energy class from A++ to A • **rated output**: 17W
• **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
dimensions: base Ø 6,5x3 cm, disc Ø 17 cm, ledge 15 cm ca. (in the picture: LW0102)



codes

warm white

LW0102 black/copper
LW0202 black/satin
LW0302 gold/black
LW0402 copper/black

LW0502 white/gold
LW0602 white/satin
LW0702 chrome/satin



Lederam W1 / wall lamp • made of metal base, aluminium disc with nickel joint • available in different combinations of colours: black disc and black base; disc lined with gold or copper coloured leaf and black base; white or chrome disc and white base (see page 58)
• **LED**: interchangeable module 1x17W [warm white]
• energy class from A++ to A • **rated output**: 17W
• **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
dimensions: base Ø 6,5x3 cm, disc Ø 17 cm, ledge 8 cm ca. (in the picture: LW1402)



codes

warm white

LW1102 black
LW1302 gold
LW1402 copper

LW1602 white
LW1702 chrome



Lederam WB1 / wall lamp • made of metal rod and base, aluminium disc with nickel joint • available in different combinations of colours: black disc, copper or satin rod and black base; disc lined with gold or copper coloured leaf, black rod and base; white disc, gold or satin rod, white base; chrome disc, satin rod and base (see page 58)
• **LED**: interchangeable module 1x17W [warm white]
• energy class from A++ to A • **rated output**: 17W
• **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V • **dimensions**: base Ø 7x2,5 cm, swiveling disc Ø 17 cm, ledge 14 cm. (in the picture: LWB1502)



codes

warm white

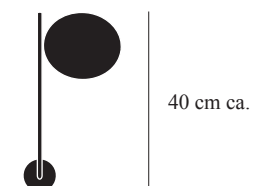
LWB1102 black/copper
LWB1202 black/satin
LWB1302 gold/black
LWB1402 copper/black

LWB1502 white/gold
LWB1602 white/satin
LWB1702 chrome/satin



Lederam WP1 / wall lamp • made of metal rod and base, aluminium disc with nickel joint • available in different combinations of colours: black disc, copper or satin rod and black base; disc lined with gold or copper coloured leaf, black rod and base; white disc, gold or satin rod, white base; chrome disc, satin rod and base (see page 58)

- **LED**: interchangeable module 1x17W [warm white]
- energy class from A++ to A • **rated output**: 17W
- **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
- dimensions**: base Ø 7x2,5 cm, swiveling disc Ø 17 cm, ledge 23 cm. (in the picture: LWP1502)



codes

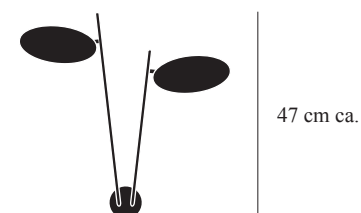
warm white

LWP1102 black/copper
LWP1202 black/satin
LWP1302 gold/black
LWP1402 copper/black

LWP1502 white/gold
LWP1602 white/satin
LWP1702 chrome/satin



Lederam W2 / wall lamp • made of metal rods and base, aluminium discs with nickel joint • available in different combinations of colours: black discs, copper or satin rods and black base; discs lined with gold or copper coloured leaf, black rods and base; white discs, gold or satin rods, white base; chrome discs, satin rods and base (see page 58)
• **LED**: interchangeable module 2x17W [warm white]
• energy class from A++ to A • **rated output**: 34W
• **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
dimensions: base Ø 7x2,5 cm, swiveling discs Ø 17 cm, ledge 29 cm. (in the picture: LW2102)



codes

warm white

LW2102 black/copper

LW2202 black/satin

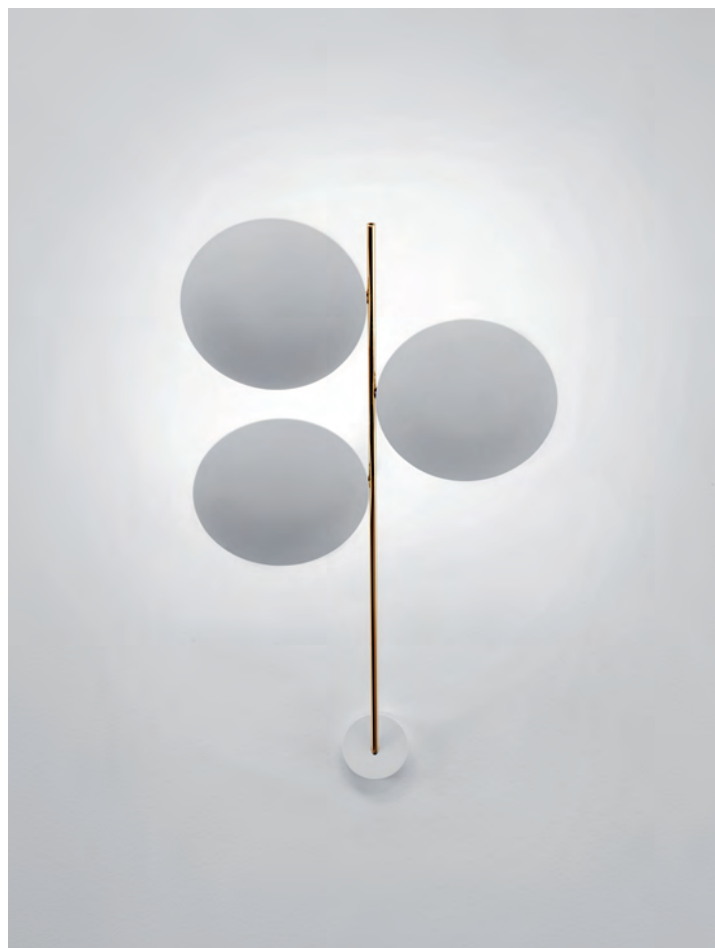
LW2302 gold/black

LW2402 copper/black

LW2502 white/gold

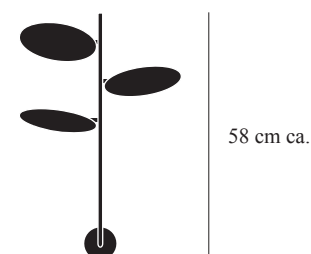
LW2602 white/satin

LW2702 chrome/satin



Lederam W3 / wall lamp • made of metal rod and base, aluminium discs with nickel joint • available in different combinations of colours: black discs, copper or satin rod and black base; discs lined with gold or copper coloured leaf, black rod and base; white discs, gold or satin rod, white base; chrome discs, satin rod and base (see page 58)

- **LED**: interchangeable module 3x17W [warm white]
- energy class from A++ to A • **rated output**: 51W
- **power supply**: voltage 230V, no driver required - dimmable (see page 65) • available on request 110V •
- **dimensions**: base Ø 7x2,5 cm, swiveling discs Ø 17 cm, ledge 34 cm. (in the picture: LW3502)



codes

warm white

LW3102 black/copper

LW3202 black/satin

LW3302 gold/black

LW3402 copper/black

LW3502 white/gold

LW3602 white/satin

LW3702 chrome/satin

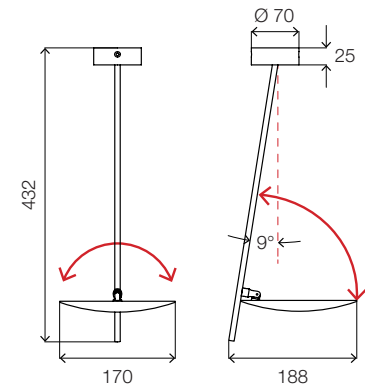


TECHNICAL INFORMATION

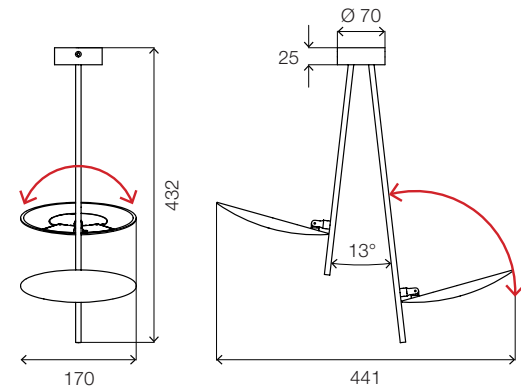
TECHNICAL DRAWINGS

(all dimensions are in millimeters)

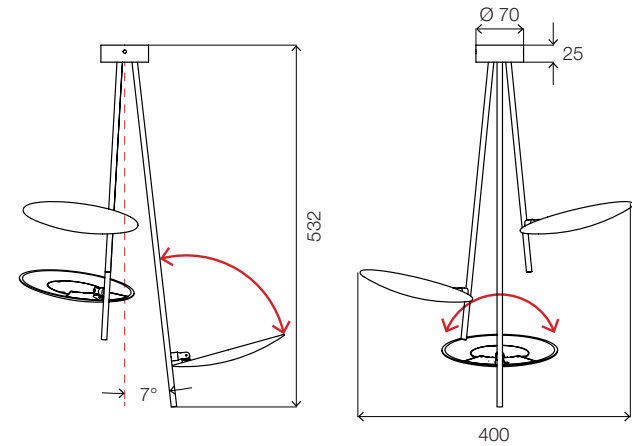
Lederam C1



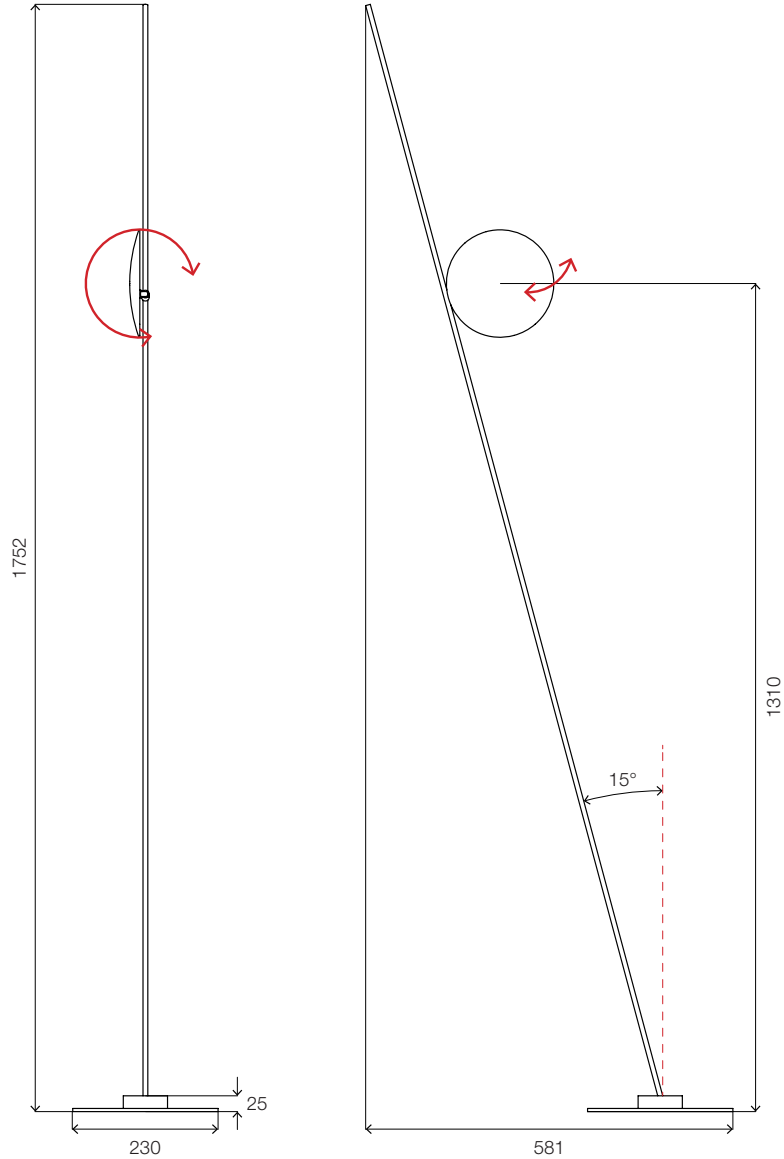
Lederam C2



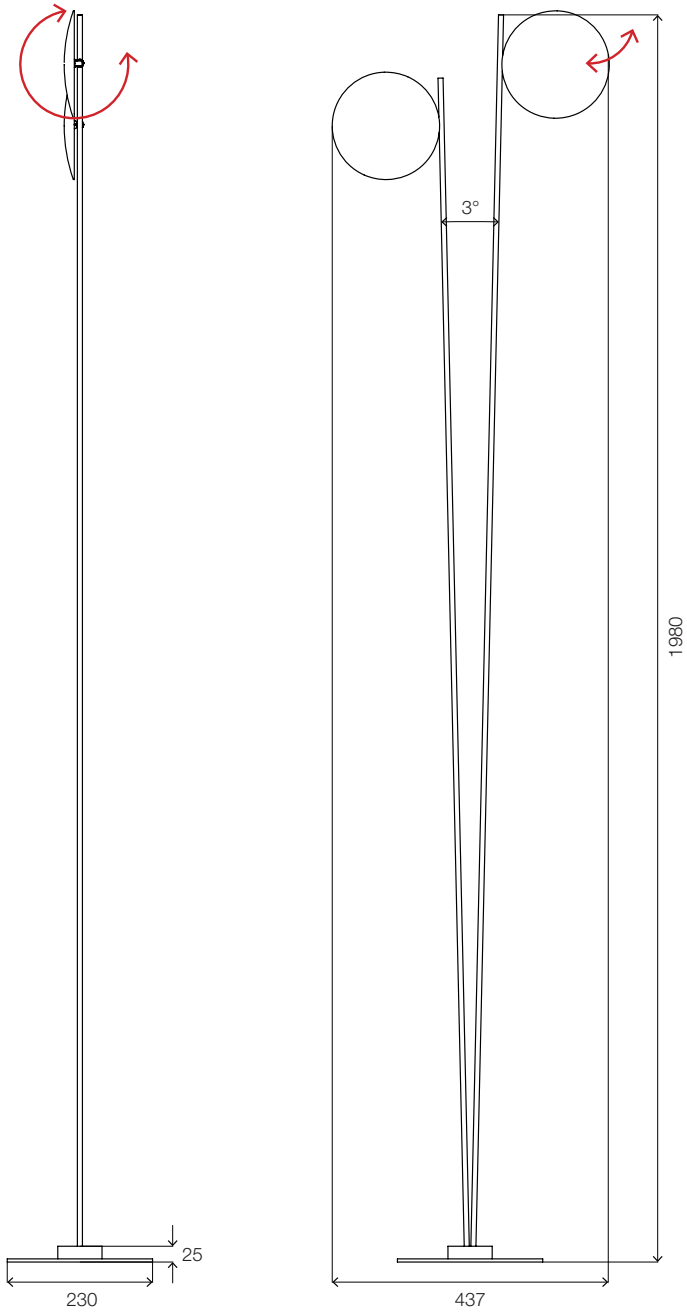
Lederam C3



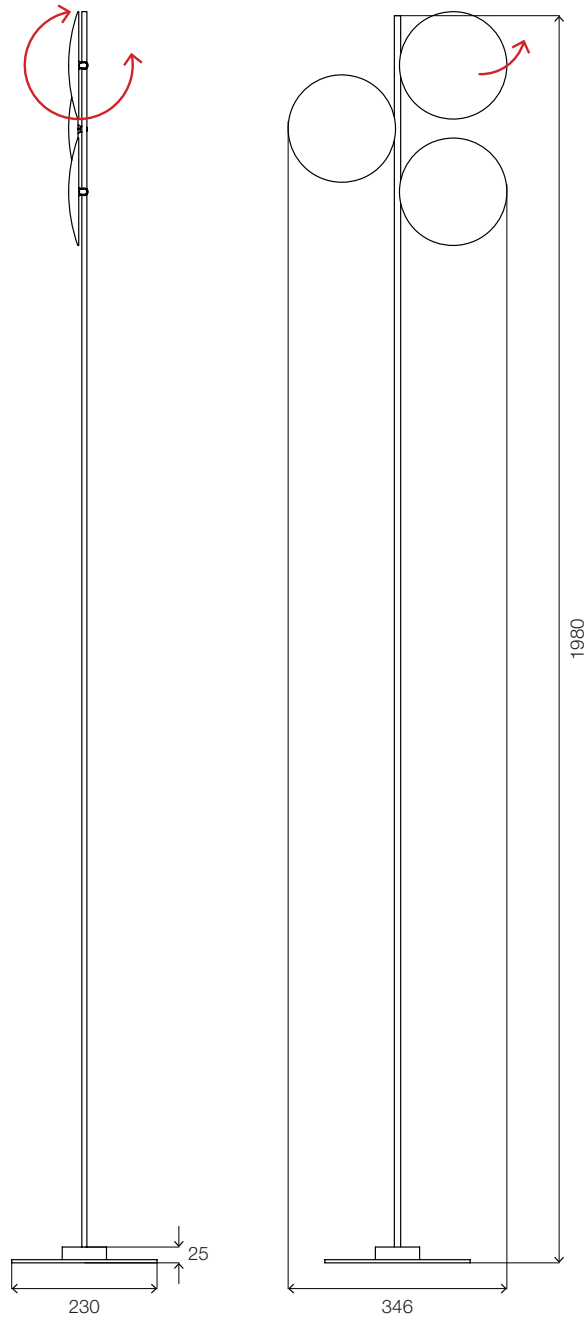
Lederam F1



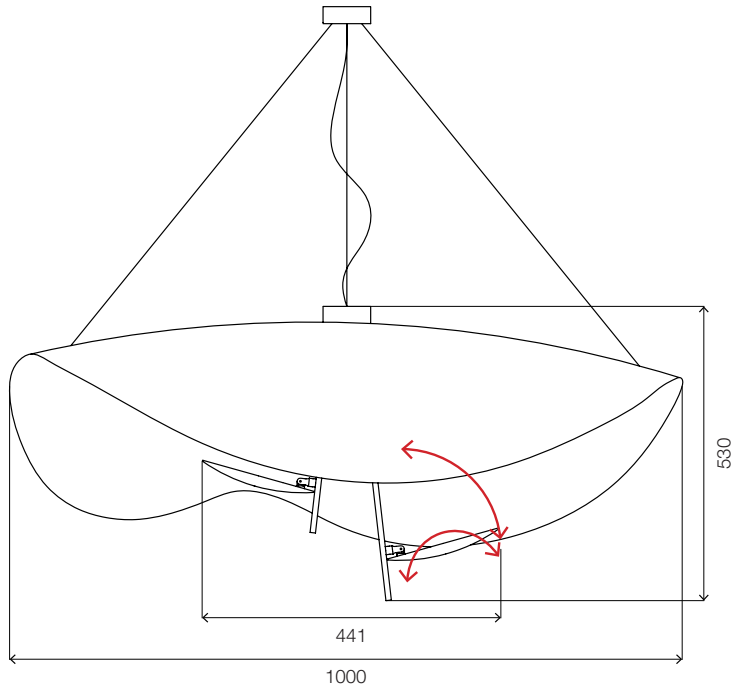
Lederam F2



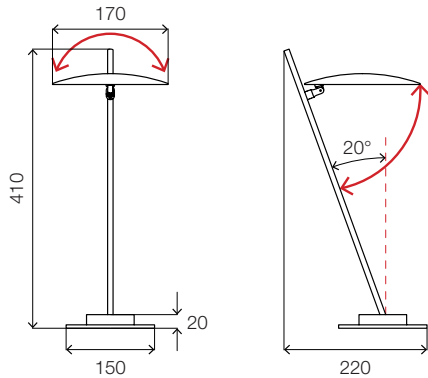
Lederam F3



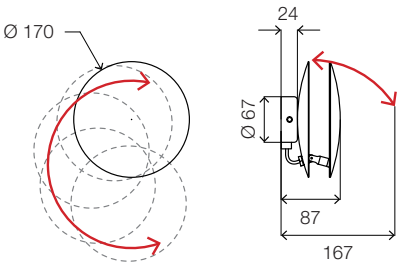
Lederam S2



Lederam T1

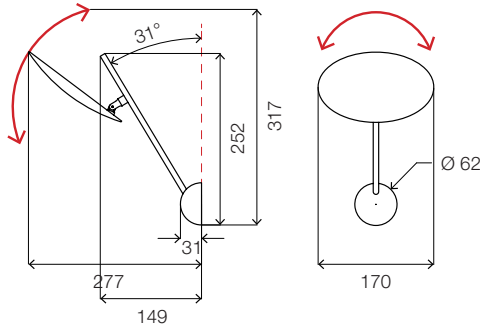


Lederam W

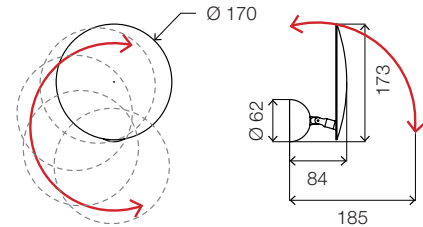


Ø 250 coming soon (details online)

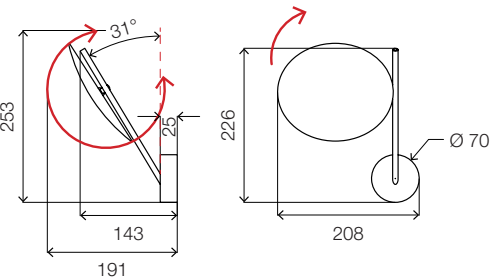
Lederam W0



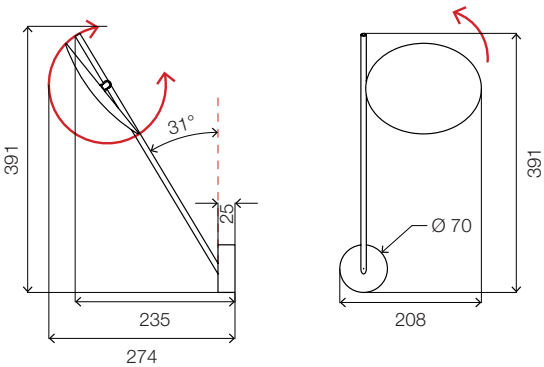
Lederam W1



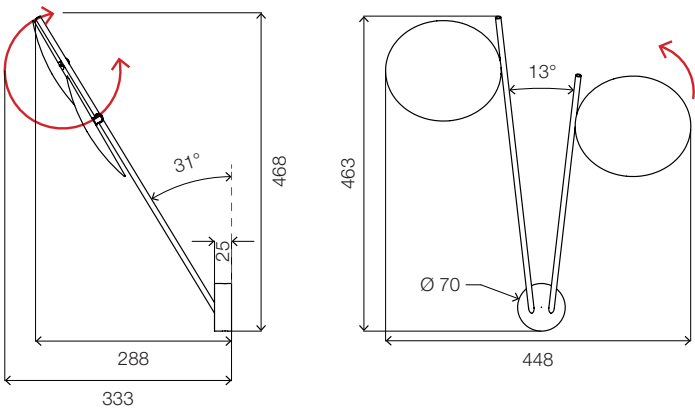
Lederam WB1



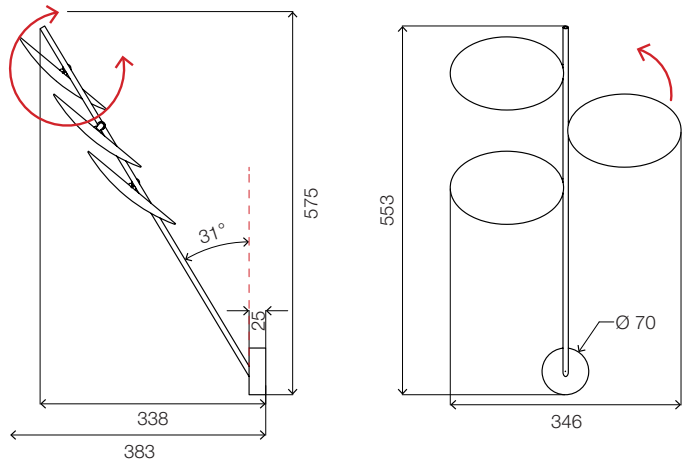
Lederam WP1

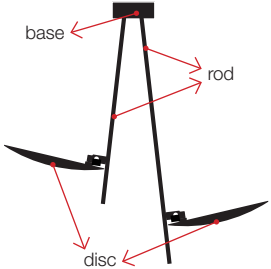


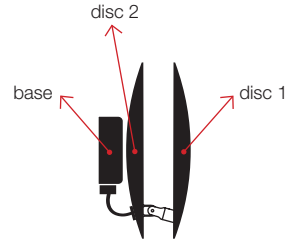
Lederam W2

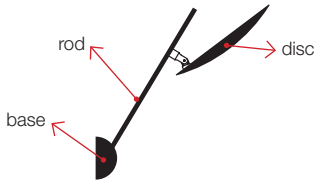


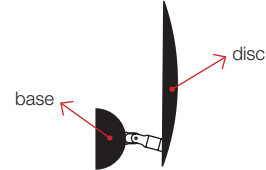
Lederam W3

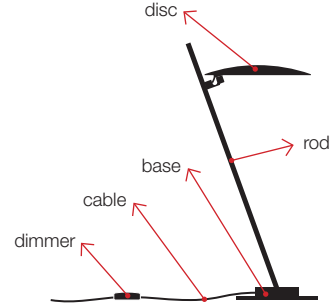


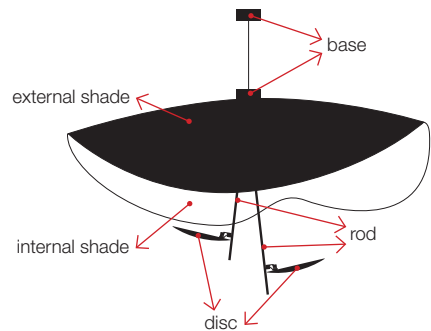
Lederam C1 / C2 / C3 / WB1 / WP1 / W2 / W3	code	discs	rods	base
	1	black	copper	black
	2	black	satin	black
	3	gold	black	black
	4	copper	black	black
	5	white	gold	white
	6	white	satin	white
	7	chrome	satin	satin

Lederam W	code	disc 1		disc 2		base
	1	black	copper	copper	black	black
	2	black	gold	gold	black	black
	3	gold	gold	gold	white	white
	4	copper	copper	copper	white	white
	5	white	gold	gold	white	white
	6	white	copper	copper	white	white

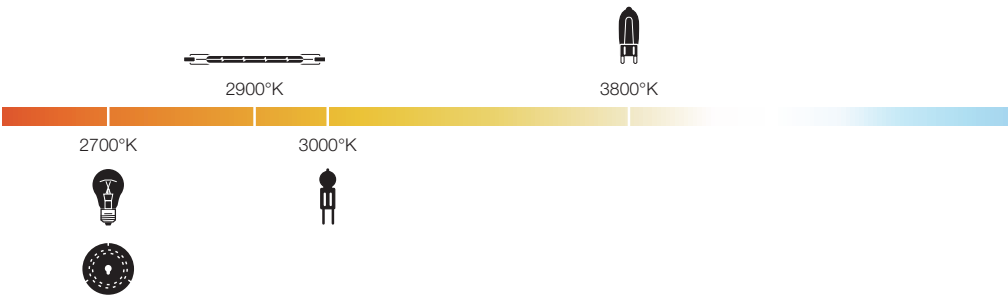
Lederam W0	code	disc	rod	base
	1	black	copper	black
	2	black	satin	black
	3	gold	black	black
	4	copper	black	black
	5	white	gold	white
	6	white	satin	white
	7	chrome	satin	white

Lederam W1	code	disc	base
	1	black	black
	3	gold	black
	4	copper	black
	6	white	white
	7	chrome	white

Lederam F1 / F2 / F3 / T1	code	discs	rods	base	cable	dimmer
	1	black	copper	black	black	black
	2	black	satin	black	black	black
	3	gold	black	black	black	black
	4	copper	black	black	black	black
	5	white	gold	white	white	white
	6	white	satin	white	white	white
	7	chrome	satin	satin	white	white

Lederam S2	code	shade		rods	discs	base
	3	black	gold	black	gold	black
	4	black	copper	black	copper	black
	5	white	white	gold	white	white
	6	white	gold	satin	white	white
	8	white	white	satin	white	white

Compared to traditional bulbs, what colour temperature and colour rendering do LEDs have?
The LEDs we use are colour rendering index 85 (CRI). Colour selection MC ADAM step 3 70 °K.
You can refer to the colour temperature diagram here below.



How much light does an LED emit, how much power does it consume and what is the average compared to a conventional bulb (for example R7s eco)?
See the table below.

1 Module - Lederam C1 / F1 / T1 / W / W0 / W1 / WB1 / WP1

		consumption	lumen output	energy class	life
	LED	17W	1350 lm	A	35.000 h
	conventional bulb R7s eco	80W	1450 lm	C	2.000 h

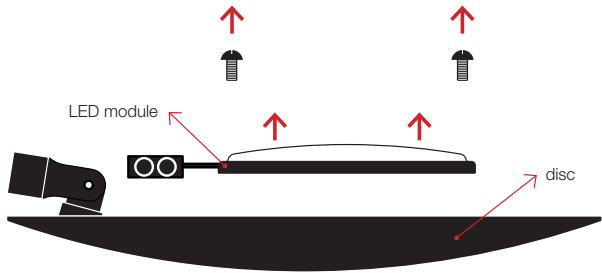
2 Modules - Lederam C2 / F2 / S2 / W2

		consumption	lumen output	energy class	life
	LED	34W	2700 lm	A	35.000 h
	conventional bulb R7s eco	120W	2300 lm	C	2.000 h

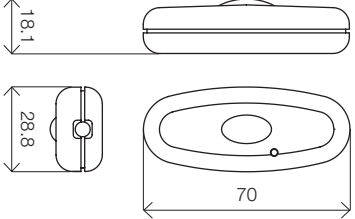
3 Modules - Lederam C3 / F3 / W3

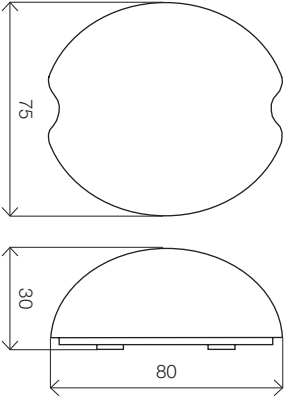
		consumption	lumen output	energy class	life
	LED	51W	4050 lm	A	35.000 h
	conventional bulb R7s eco	160W	3300 lm	C	2.000 h

What happens in case of breakage?
The LEDs installed on Lederam lamps can be easily replaced. See the image below.



DIMMERS ON TABLE AND FLOOR MODELS

Dimmer D4 (only for 230V)		
	lamp	Lederam T1
	dimensions	70 x 28.8 x 18.1 mm
	compatibility with domotic systems or further dimming	NO
	memory*	0%

Dimmer D5 (only for 230V)		
	lamp	Lederam F1 / F2 / F3
	dimensions	80 x 75 x 30 mm
	compatibility with domotic systems or further dimming	NO
	memory*	0%



* If the lamp is connected to a controlled on/off switch and is turned off from the wall switch, being the dimmer "memory 0%", it must be turned back on using the dimmer switch of the lamp itself.

The LED modules used in the Lederam collection can be connected directly to the mains voltage because they do not require any driver (other than the one already mounted on the module).

The model Lederam W dia. 25 cm (see p. 14), besides the 17W modules currently mounted (where 17W is the average consumption) can be supplied on request also with high efficiency (10W 1200 lumen ca.) or high output modules (20W 2000 lumen ca.).

Compared to traditional light sources, mains voltage LED modules are more sensitive to any interference in the electricity mains, including voltage fluctuation and harmonic distortion, because they have a faster response to changes in voltage. This means that consequently to this variations occasional flickering or functioning anomaly may occur, but since not depending on the product, they cannot be considered a flaw or defect.

Further than by problems on the line voltage, fluctuations and harmonics may be produced by variable power loads, as those caused by many types of motors and electronic devices.

Dimming

The mains voltage LED modules are dimmable using IGBT (trailing edge) dimmers designed specifically for LED loads (generally very low). It is preferable for the dimmers to have been tested and recommended specifically for the LED module we use (Acrich2 LED). Since this is a new generation of LEDs, their dimming is extremely delicate: incompatible dimmers may cause irreparable damage to the LED.

Some dimmers on the market have a NO button (Normally Open - diagram A) or are specific connector socket-mounted or recessed (diagram B).

They are generally inserted into junction boxes; their limited thickness facilitates the installer's task and makes the dimmer fit for installation even in shallow boxes. Dimmers with an integrated radio dimmer for both manual (with NO button) and wireless control (diagram C) are also available.

It is important to note that, during adjustment (for instance, with an E2 table dimmer), the dimming appears less precise, with some flickering.

Furthermore some types of dimmer, even if they have been recommended by the manufacturers themselves, have visible flickering (almost essentially down to a minimum) depending on the mains and on the type of interference present. The problem can be solved by increasing the minimum value setting of the potentiometer on the dimmer.

Diagram A

Recommended dimmers:

- [1] Relco LT1 UN - (max 100W)
- [2] Tecnel TE7636M - (max 100W)

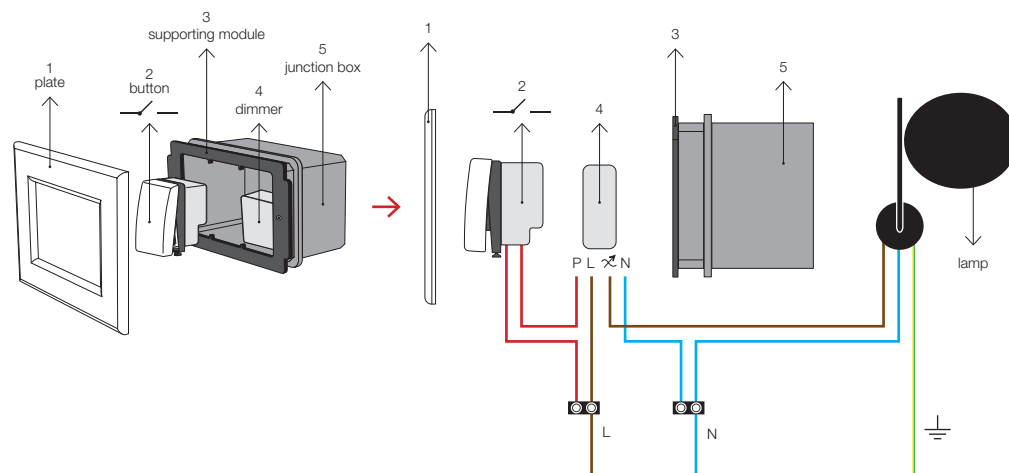
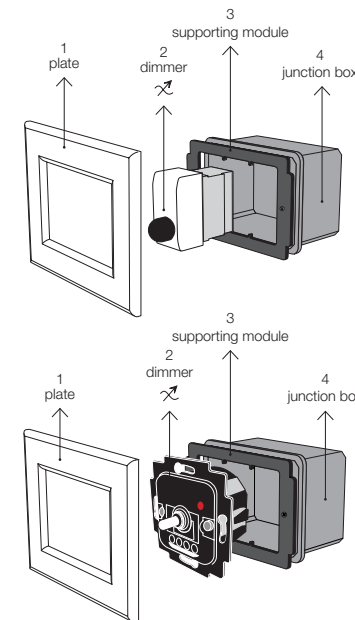


Diagram B



Recommended dimmers:

- [3] Relco DIMled34D - (max 100W)
- [4] HPM Legrand XL400 trailing edge type
- [5] Feller by Schneider Electric 40300 Rc / 40100 LED - (max 100W)
- [6] Gira 239000 - (max 100W)
- [7] Busch Jaeger 6523 U - (max 100W)

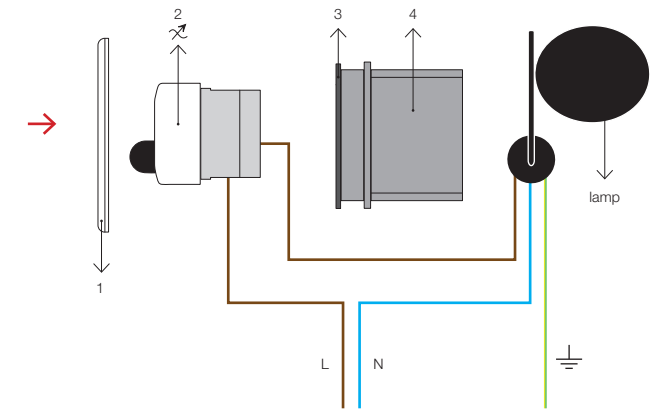
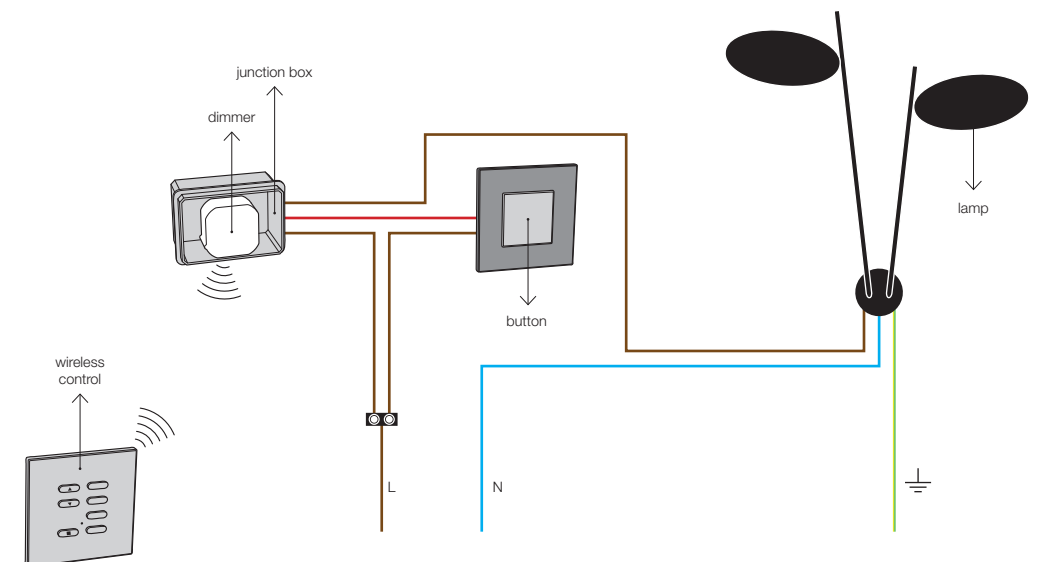


Diagram C

Recommended dimmer:

- [8] Teleco TCDRL868A01 - (max 100W)



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