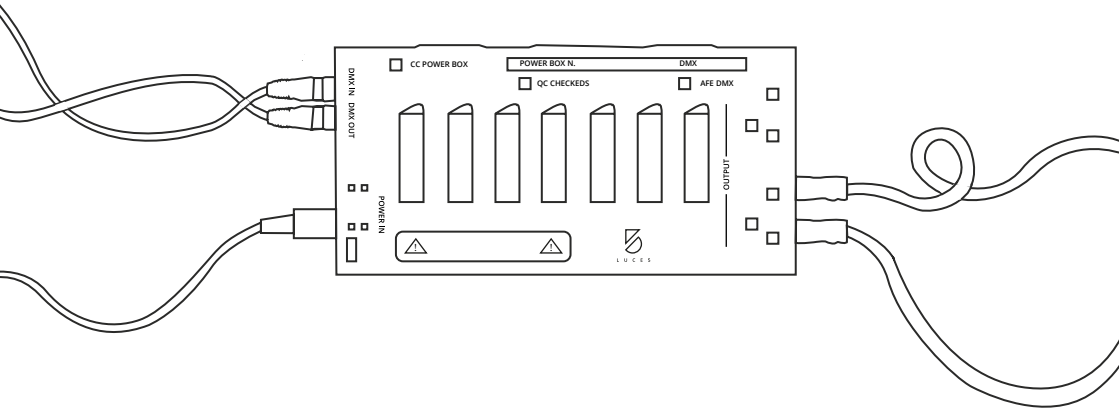


Powerbox

instruction manual



L U C E S



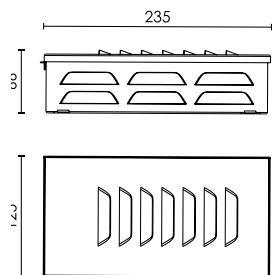
What's a powerbox?

Power systems designed for safe, fast, easy and fail-safe installation.

- POWERBOX MODELS 4
- POWERBOX WARNINGS 5
- MOUNTING DISTANCES 7
- POWERBOX CONNECTORS ASSEMBLY 9
- POWERBOX INSTALLATION 23

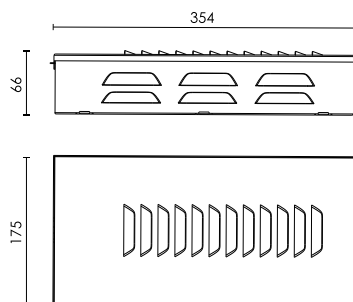
Powerbox models

Type 1

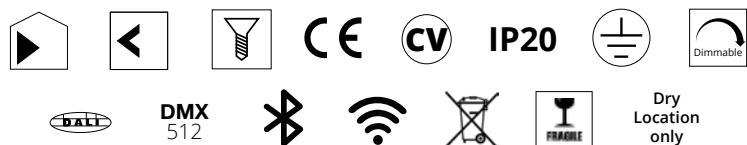


CC On-Off
 CC Dimmerabile
 CV On-Off
 CV Dimmerabile

Type 2




CC On-Off XL
 CC Dimmerabile XL
 CV On-Off XL
 CV Dimmerabile XL



Powerbox warnings

Safety instructions

REMARKS!

- When installing and whenever acting on the appliance, ensure that the power supply has been switched off in the powerbox.
- The appliance may in no way be modified or tampered with. Any modification may compromise safety and making the appliance itself dangerous. Luce5 declines all responsibility for products that are modified.
- The installation of this device can only be carried out by specialized personnel.
- Observe the relevant safety and accident prevention regulations.
- The symbol  shown on the device indicates that the product must be disposed of in a different manner than with the urban waste.

FIELDS OF APPLICATION

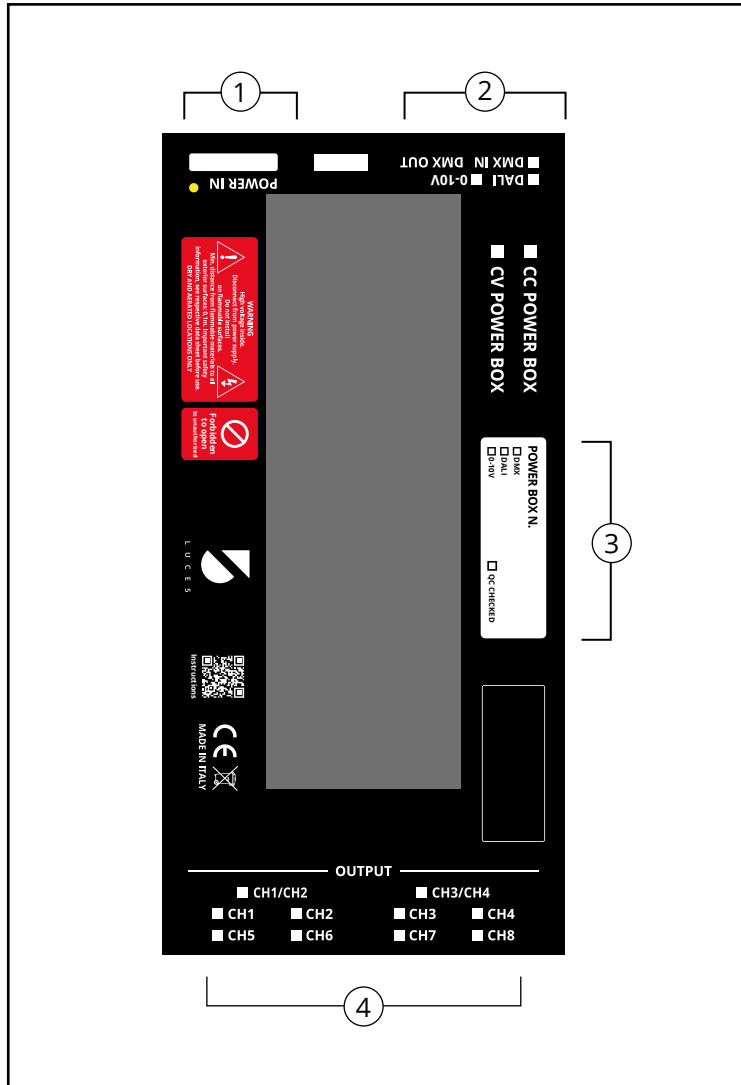
- The device can only
- be used for specified applications.
 - for safe installation in a dry, clean and ventilated environment.
 - be installed in such a way that access is possible for an operator.



Before installing the Powerbox, consult the reference wiring.

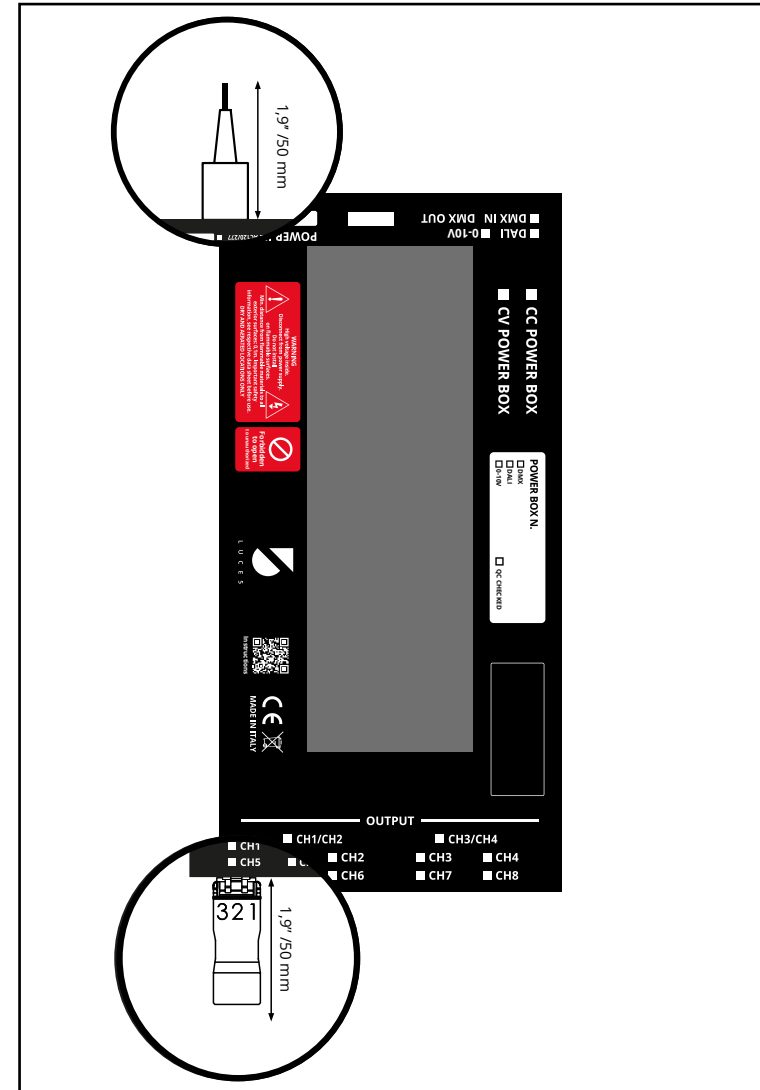
How is made a powerbox:

- ① Entrance power supply
- ② Signal connectors
- ③ Wiring indicator (consult wiring documentation)
- ④ Output



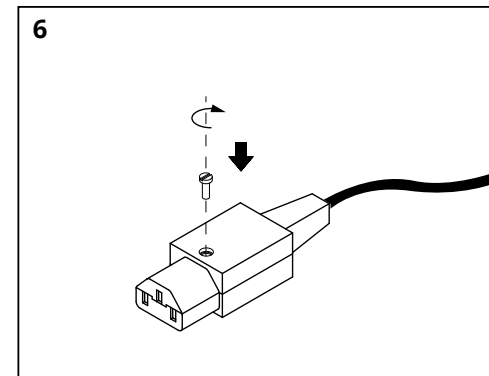
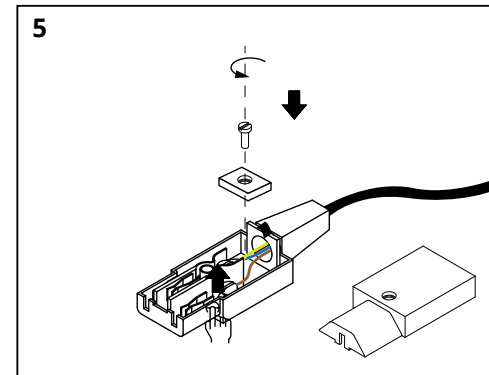
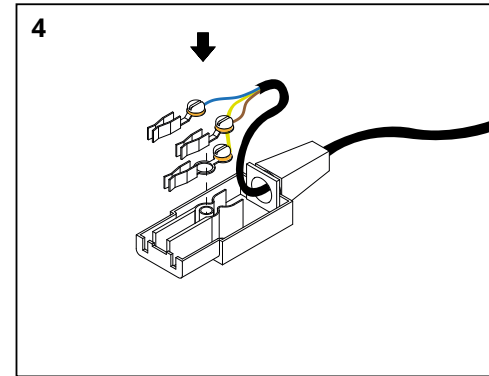
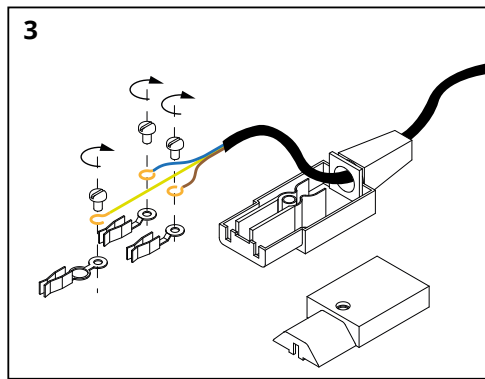
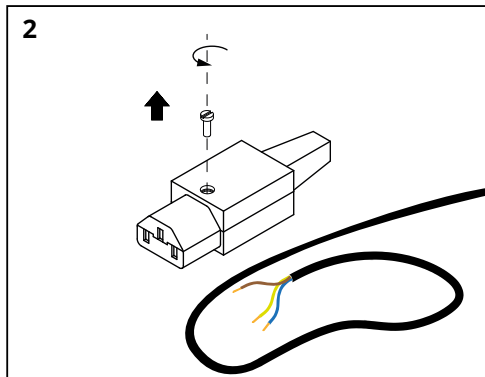
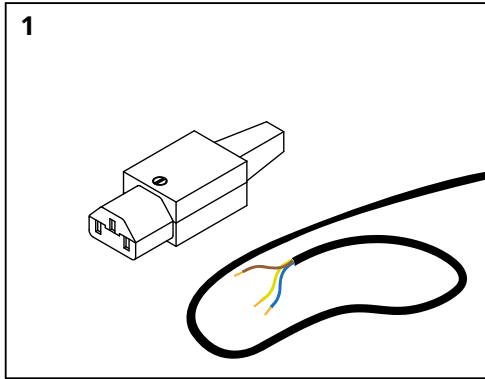
Connector space:

Minimal space for connector, wiring and cable bending



POWEBOX CONNECTORS ASSEMBLY

Power supply assembly:



2 Pole electrical connector wiring:

CABLE COMPOSITION DIAGRAM

Electric terminal	Wire color	Polarity
1	Red	+
2	Black	-

CONNECTOR COMPOSITION DIAGRAM

- 1) Connector
- 2) Case base
- 3) Cable clamp
- 4) Case cover

CONNECTOR: CABLING WITH CLAMP TOOL:

TOOLS:

Clamp tool

OR

Screwdriver (3 mm flat tip)

CABLING WITH SCREWDRIVER:

- 1) Insert & push the clamp tool to unlock
- 2) Insert the wire
- 3) Remove the clamp tool

⚠ THE WIRING OPERATIONS MUST BE CARRIED OUT WITH THE POWERBOX TURNED OFF AND NOT POWERED ⚠

2 Pole electrical connector wiring:

CABLE COMPOSITION DIAGRAM

Electric terminal	Wire color	Polarity
1	Red	+
2	Not used	
3	Black	-

CONNECTOR COMPOSITION DIAGRAM

- 1) Connector
- 2) Case base
- 3) Cable clamp
- 4) Case cover

CONNECTOR: CABLING WITH CLAMP TOOL:

TOOLS:

Clamp tool

OR

Screwdriver (3 mm flat tip)

CABLING WITH SCREWDRIVER:

- 1) Insert & push the clamp tool to unlock
- 2) Insert the wire
- 3) Remove the clamp tool

⚠ THE WIRING OPERATIONS MUST BE CARRIED OUT WITH THE POWERBOX TURNED OFF AND NOT POWERED ⚠

3 Pole electrical connector wiring:

CABLE COMPOSITION DIAGRAM

Electric terminal	Wire color	Polarity
1	Red	+
3	Black	-
2	White	

CONNECTOR COMPOSITION DIAGRAM

- 1) Connector
- 2) Case base
- 3) Cable clamp
- 4) Case cover

CONNECTOR: CABLING WITH CLAMP TOOL:

TOOLS:
 Clamp tool
 OR
 Screwdriver (3 mm flat tip)

CABLING WITH SCREWDRIVER:

- 1) Insert & push the clamp tool to unlock
- 2) Insert the wire
- 3) Remove the clamp tool

THE WIRING OPERATIONS MUST BE CARRIED OUT WITH THE POWERBOX TURNED OFF AND NOT POWERED

Dynamic white 4 pole electrical connector wiring:

CABLE COMPOSITION DIAGRAM

Electric terminal	Wire color	Polarity
1	Red	+
2	Black	-
3	White	+
4	Green	-

CONNECTOR COMPOSITION DIAGRAM

- 1) Connector
- 2) Case base
- 3) Cable clamp
- 4) Case cover

CONNECTOR: CABLING WITH CLAMP TOOL:

TOOLS:
 Clamp tool
 OR
 Screwdriver (3 mm flat tip)

CABLING WITH SCREWDRIVER:

- 1) Insert & push the clamp tool to unlock
- 2) Insert the wire
- 3) Remove the clamp tool

THE WIRING OPERATIONS MUST BE CARRIED OUT WITH THE POWERBOX TURNED OFF AND NOT POWERED

Rgb led 4 pole electrical connector wiring:

CABLE COMPOSITION DIAGRAM

Electric terminal	Wire color	Polarity
1	Red	+
2	Black (common)	-
3	Green	-
4	Blue	-

CONNECTOR COMPOSITION DIAGRAM

- 1) Connector
- 2) Case base
- 3) Cable clamp
- 4) Case cover

CONNECTOR: CABLING WITH CLAMP TOOL:

TOOLS:

Clamp tool

OR

Screwdriver (3 mm flat tip)

CABLING WITH SCREWDRIVER:

- 1) Insert & push the clamp tool to unlock
- 2) Insert the wire
- 3) Remove the clamp tool

⚠ THE WIRING OPERATIONS MUST BE CARRIED OUT WITH THE POWERBOX TURNED OFF AND NOT POWERED ⚠

Rgbw 5 pole electrical connector wiring:

CABLE COMPOSITION DIAGRAM

Electric terminal	Wire color	Polarity
1	Red	+
2	Black (common)	-
3	Green	-
4	Blue	-
5	White	-

CONNECTOR COMPOSITION DIAGRAM

- 1) Connector
- 2) Case base
- 3) Cable clamp
- 4) Case cover

CONNECTOR: CABLING WITH CLAMP TOOL:

TOOLS:

Clamp tool

OR

Screwdriver (3 mm flat tip)


CABLING WITH SCREWDRIVER:

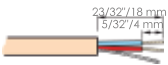
- 1) Insert & push the clamp tool to unlock
- 2) Insert the wire
- 3) Remove the clamp tool


⚠ THE WIRING OPERATIONS MUST BE CARRIED OUT WITH THE POWERBOX TURNED OFF AND NOT POWERED ⚠


CONNECTOR WIRING DMX


XLR CONNECTOR ASSEMBLY INSTRUCTION:


- 

1 Slide the boot onto the cable
Inserire la protezione sul cavo
- 

2 Prepare cable as shown
Preparare il cavo come illustrato
- 


3 Insert wires into the terminals and solder them.
Inserire i fili nei terminali e soldarli
- 

4 Put chuck onto the cable
Attention: Pay attention to the guiding key
Inserire il fermacavo
Attenzione: allineare correttamente l'incastro
- 


5 Slide insert and chuck together into the housing
Inserire il blocco contatti ed il fermacavo nel guscio
- 

6 Finish the installation by turning the bushing onto the connector
Completare l'installazione avvitando il proteggi cavo sul connettore


3 POLE ELECTRICAL CONNECTOR WIRING FEMALE:



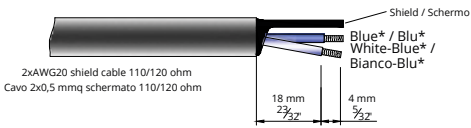
Front view
Vista frontale



Connection side view
Vista lato collegamenti



IMPORTANT
Don't connect the shield of the cable to the metal housing of connector
Non collegare la calza del cavo al guscio metallico del connettore



Shield / Schermo
Blue* / Blu*
White-Blue* / Bianco-Blu*
Bianco-Blu*

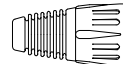
2xAWG20 shield cable 110/120 ohm
Cavo 2x0,5 mmq schermato 110/120 ohm

18 mm 4 mm
7/8" 5/8"

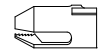
Electric terminal / Morsetto	Wire color / Colore conduttore
1	Shield/Schermo
3	Blue*/Blu* (DMX +)
2	White-Blue*/Bianco-Blu* (DMX -)

* Color may be different due to the cable brand
* Il colore può essere differente a seconda della marca del cavo

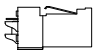
Assembly sequence
Sequenza montaggio




Bushing
Protezione cavo



Chuck
Fermacavo



Insert
Blocco contatti

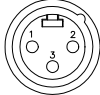


Housing
Guscio

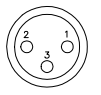
XLR 3 pole female cable connector wiring / Cablaggio connettore XLR 3 poli femmina

Name/Nome: NEUTRIK NC3FX	Rif. -	Code/Codice: -	
---------------------------------	--------	----------------	--


3 POLE ELECTRICAL CONNECTOR WIRING MALE:



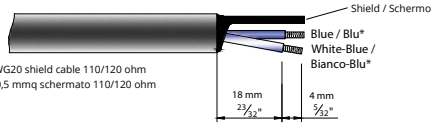
Front view
Vista frontale



Connection side view
Vista lato collegamenti



IMPORTANT
Don't connect the shield of the cable to the metal housing of connector
Non collegare la calza del cavo al guscio metallico del connettore



2xAWG20 shield cable 110/120 ohm
Cavo 2x0,5 mmq schermato 110/120 ohm

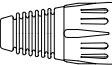
Shield / Schermo
Blue / Blu*
White-Blue / Bianco-Blu*

18 mm 4 mm
2 3/4" 1/2"

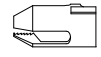
Electric terminal / Morsetto	Wire color / Colore conduttore
1	Shield/Schermo
3	Blue*/Blu* (DMX +)
2	White-Blue*/Bianco-Blu* (DMX -)

* Color may be different due to the cable brand
* Il colore può essere differente a seconda della marca del cavo


Assembly sequence
Sequenza montaggio



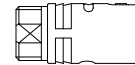
Bushing
Protezione cavo



Chuck
Fermacavo



Insert
Blocco contatti



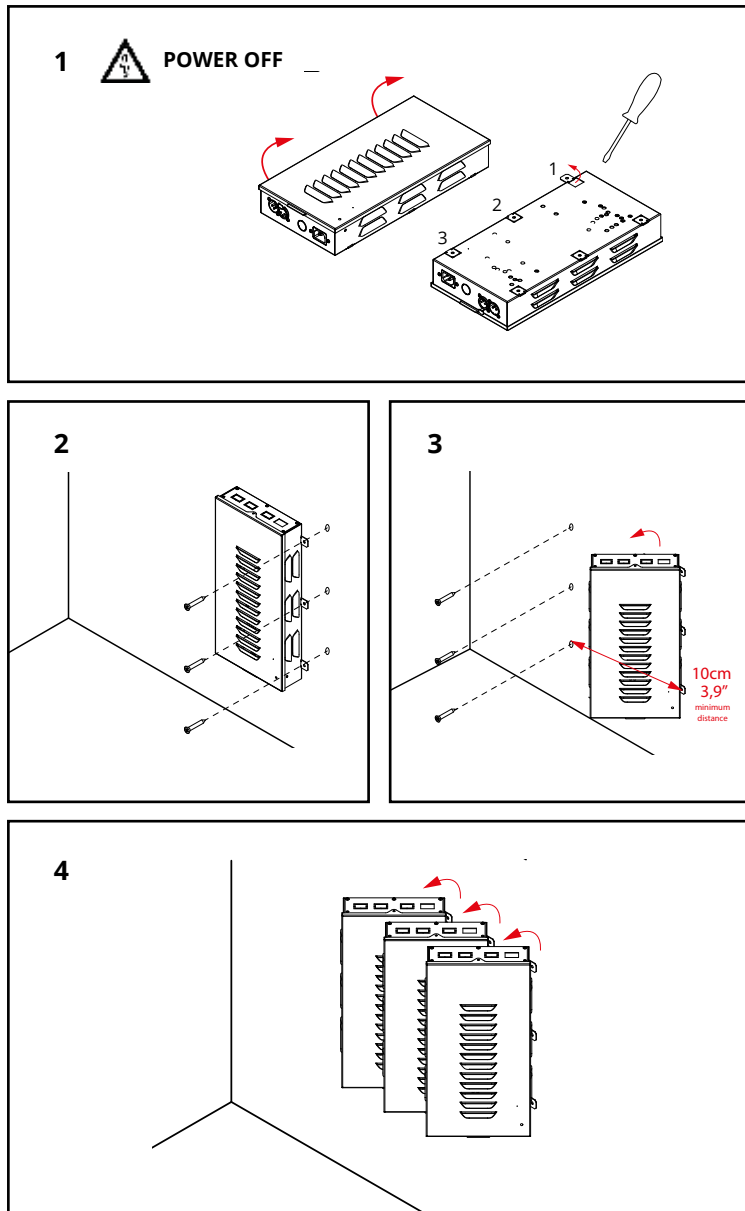
Housing
Guscio

XLR 3 pole male cable connector wiring / Cablaggio connettore XLR 3 poli maschio		
Name/Nome:	NEUTRIK NC3MX	Rif. - Code/Codice: -

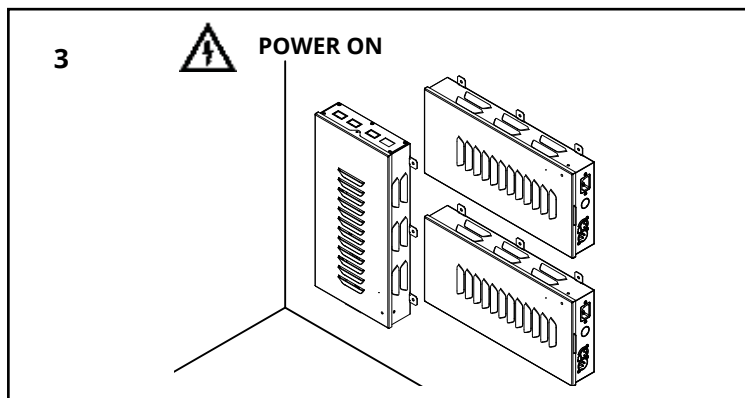
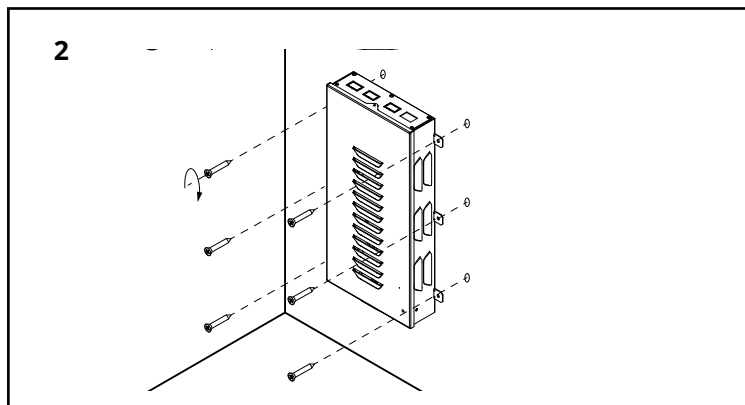
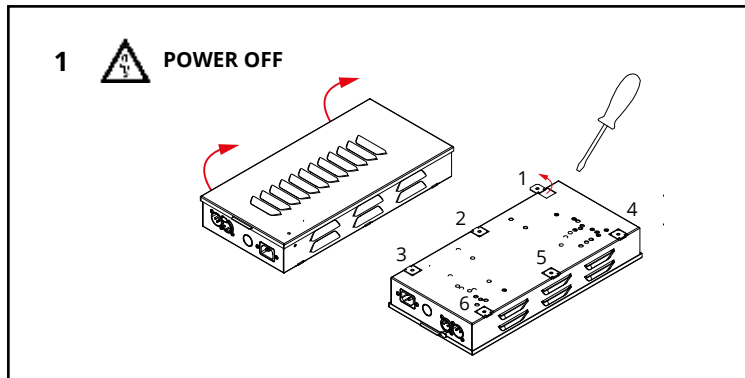


POWERBOX INSTALLATION

Installation method A:



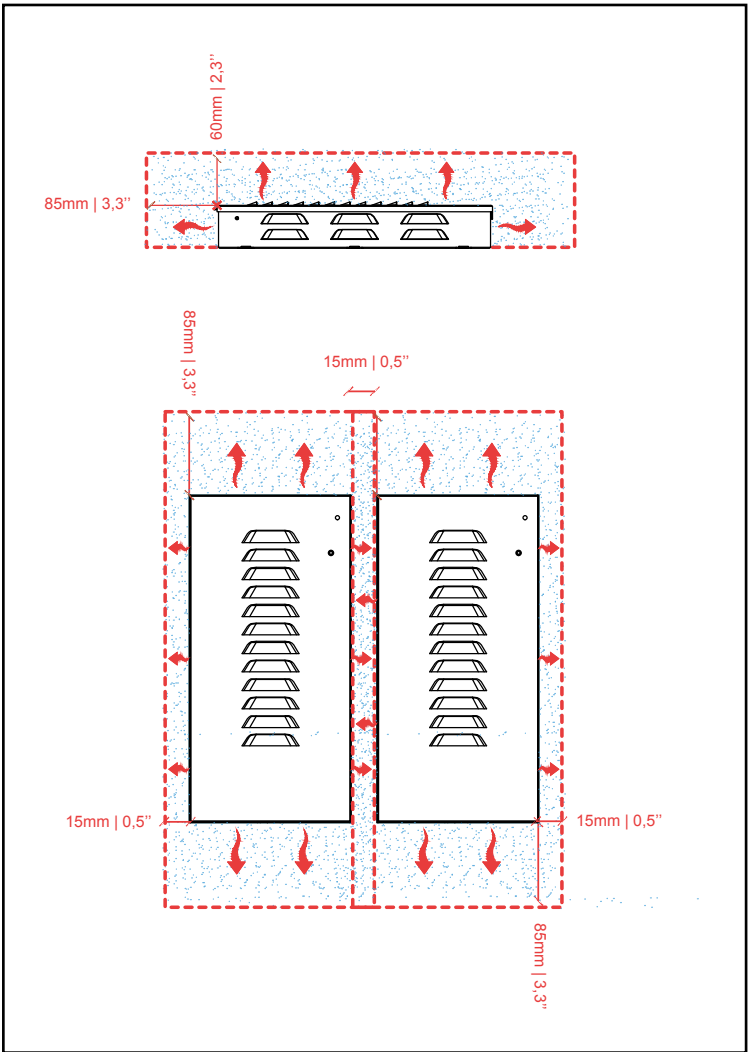
Installation **method B:**



Minimum distance for ventilation:



POWERBOX HAS TO BE INSTALLED IN A VENTILATED SPACE WITH TEMPERATURE RANGE BETWEEN +14° and +104°F (-10/40° C).
LEAVE 2" (50mm) FREE SPACE FROM THE POWER BOX COVER FOR THE VENTILATION.





L U C E 5