HEXA-H-1

Installation and operating instructions

Table of contents

About the product	2
Installation of ceiling components and suspension of the luminaire	3–7
Installing the luminaire on suspension cables	8–9
Routing the luminaire cables	10
Installing the power supply	11
Electrical connection	12
Optional accessories	13
Final leveling and operation check	14
Maintenance, disposal, disassembly and EU compliance	15

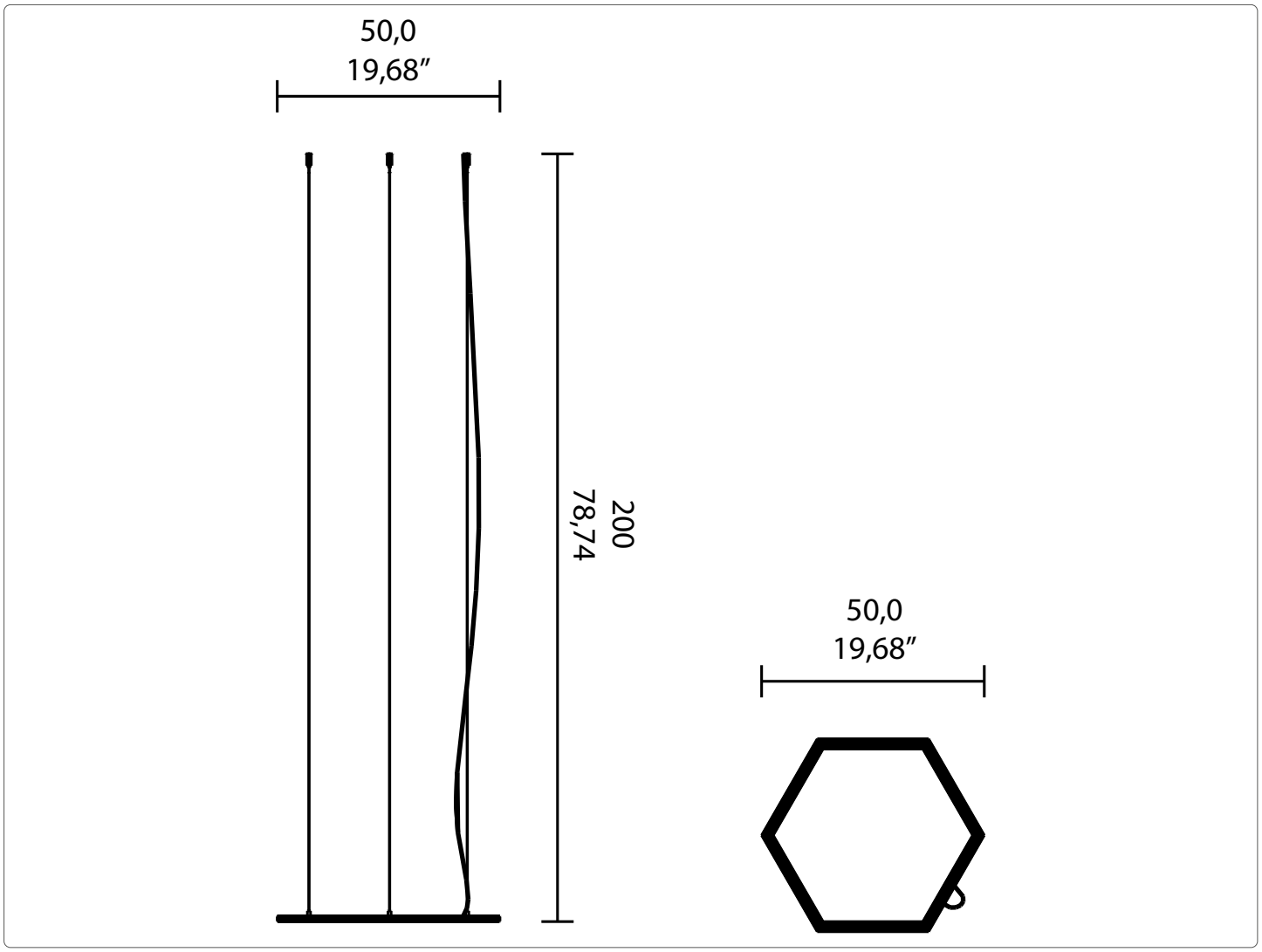
Oprawa gotowa

Montaż zawieszany

CE • LVD • EMC • RoHS

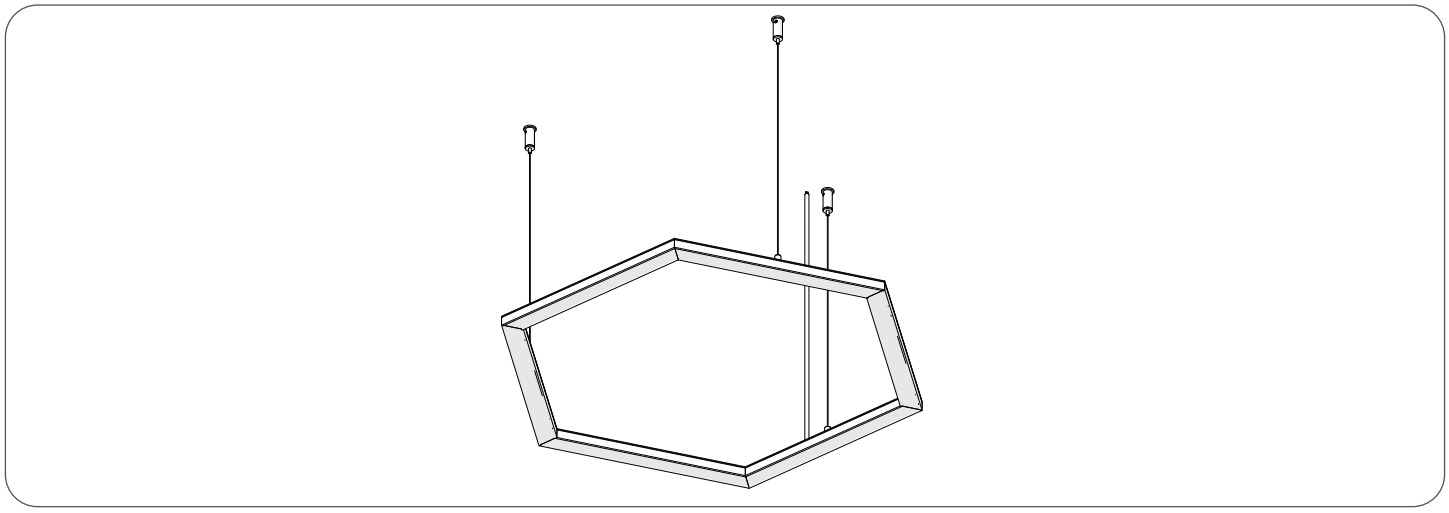
24V DC

DIMENSIONS:



KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

HEXA-H-1 is a complete luminaire designed for suspended installation. These instructions describe the standard mechanical installation and electrical connection of the luminaire.



THE KIT INCLUDES:

- HEXA-H-1 luminaire (complete)
- Suspension components / mounting accessories (depending on configuration)
- Instructions

NOT INCLUDED IN THE KIT

- Screws and anchors suitable for the mounting surface (not always included)
- Control components (if provided in the luminaire version)

REQUIRED TOOLS

- drill
- spirit level,
- screwdriver

SAFETY

- Disconnect the power supply before installation, cleaning and servicing.
- Installation and connection must be carried out by suitably qualified personnel.
- Do not modify the luminaire.
- Use only compatible components.
- Do not use the product if it is damaged.

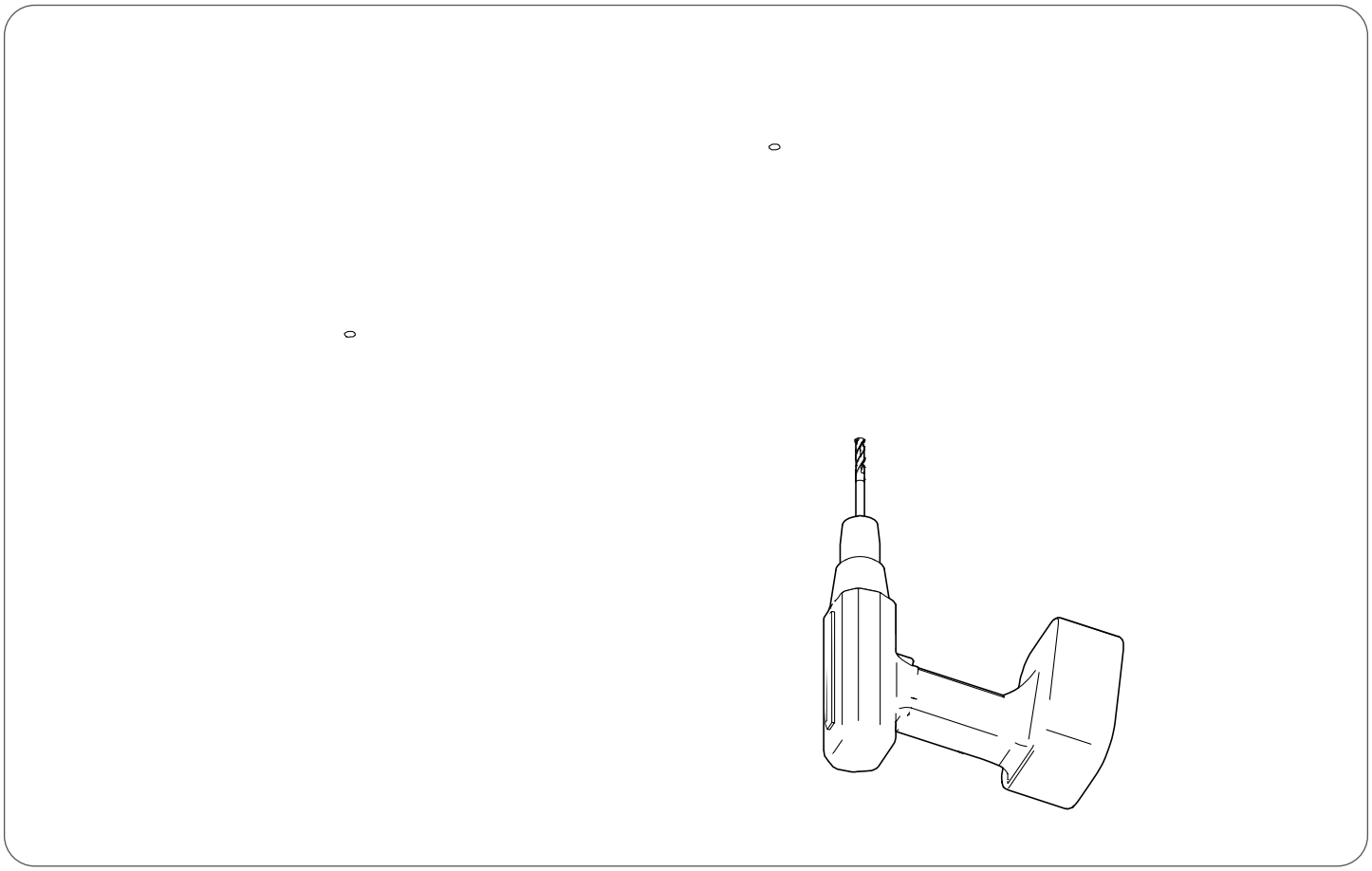
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Installation of ceiling components and suspension of the luminaire

- Preparing the mounting points for the three suspension cables.

Step 1 - Drill holes for the ceiling mounts

- Determine the intended position of the luminaire and mark the three suspension points.
- Check the spacing of the points and the correct position of the luminaire before drilling.
- Drill holes at the marked locations.
- Match the hole diameter and depth to the anchors and the type of ceiling.



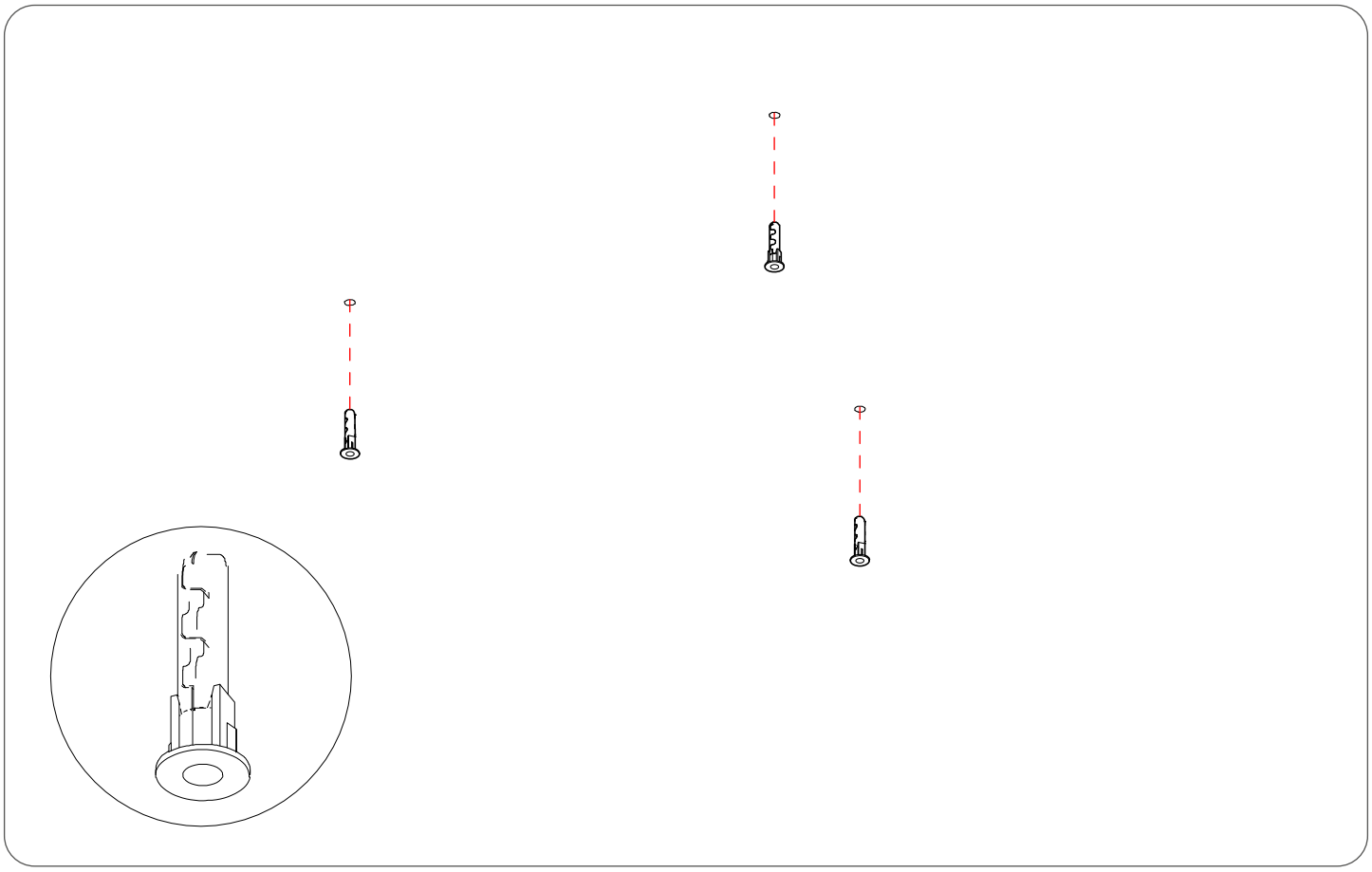
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Installation of ceiling components and suspension of the luminaire

- Inserting the anchors into the prepared holes.

Step 2 - Insert the mounting anchors

- Remove dust and loose material from the drilled holes.
- Insert the mounting anchors at the three suspension points.
- Push the anchors in until they are fully seated in the ceiling.
- Check the stability of each point before proceeding.



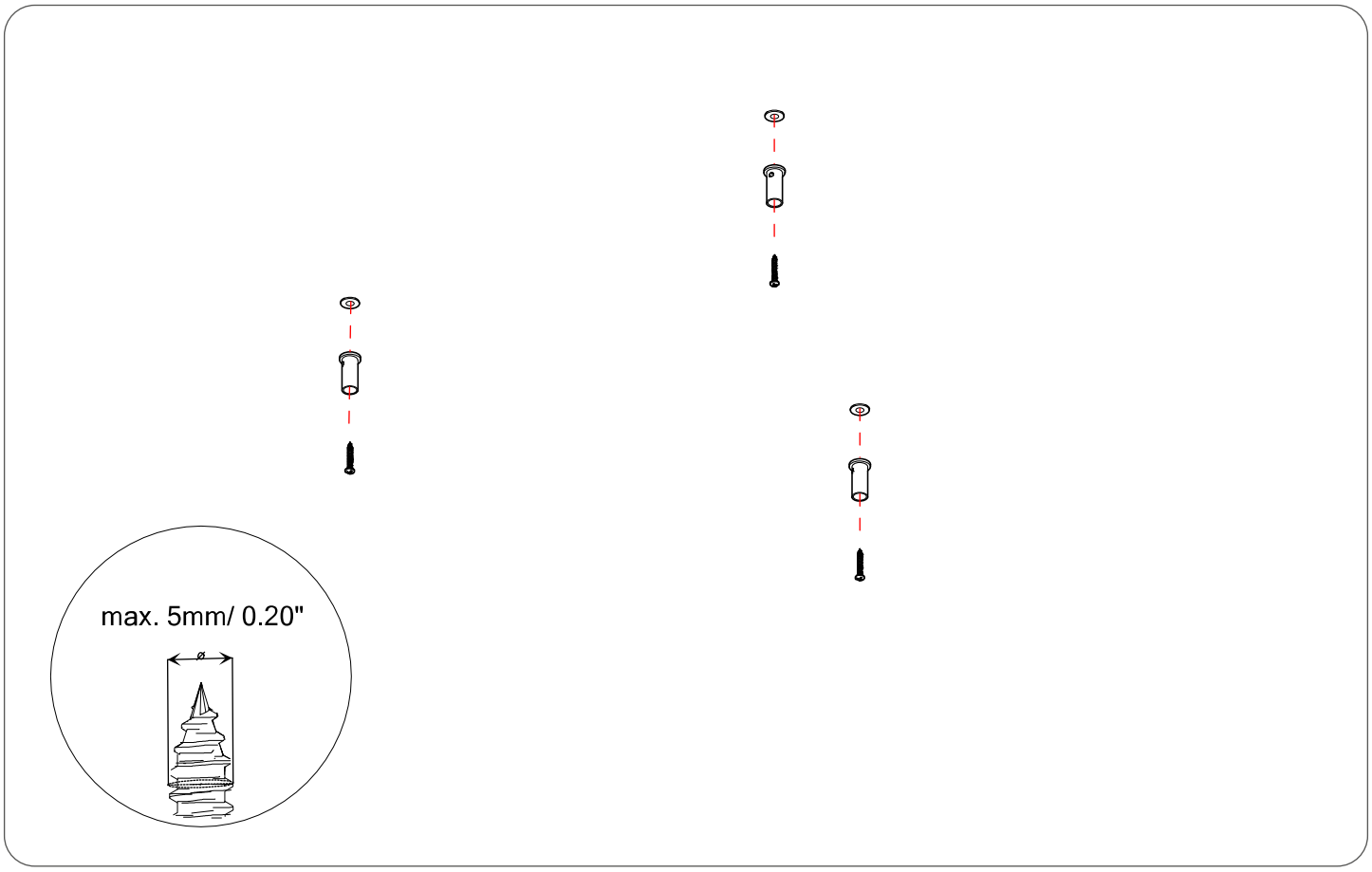
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Installation of ceiling components and suspension of the luminaire

- Installing the upper suspension bodies at the prepared mounting points.

Step 3 - Screw in the upper suspension components

- Pass a screw through the upper suspension component.
- Screw the mount into the installed anchor.
- Use screws with a diameter no greater than 5 mm.
- Tighten all three mounts and check that they sit flush against the ceiling.



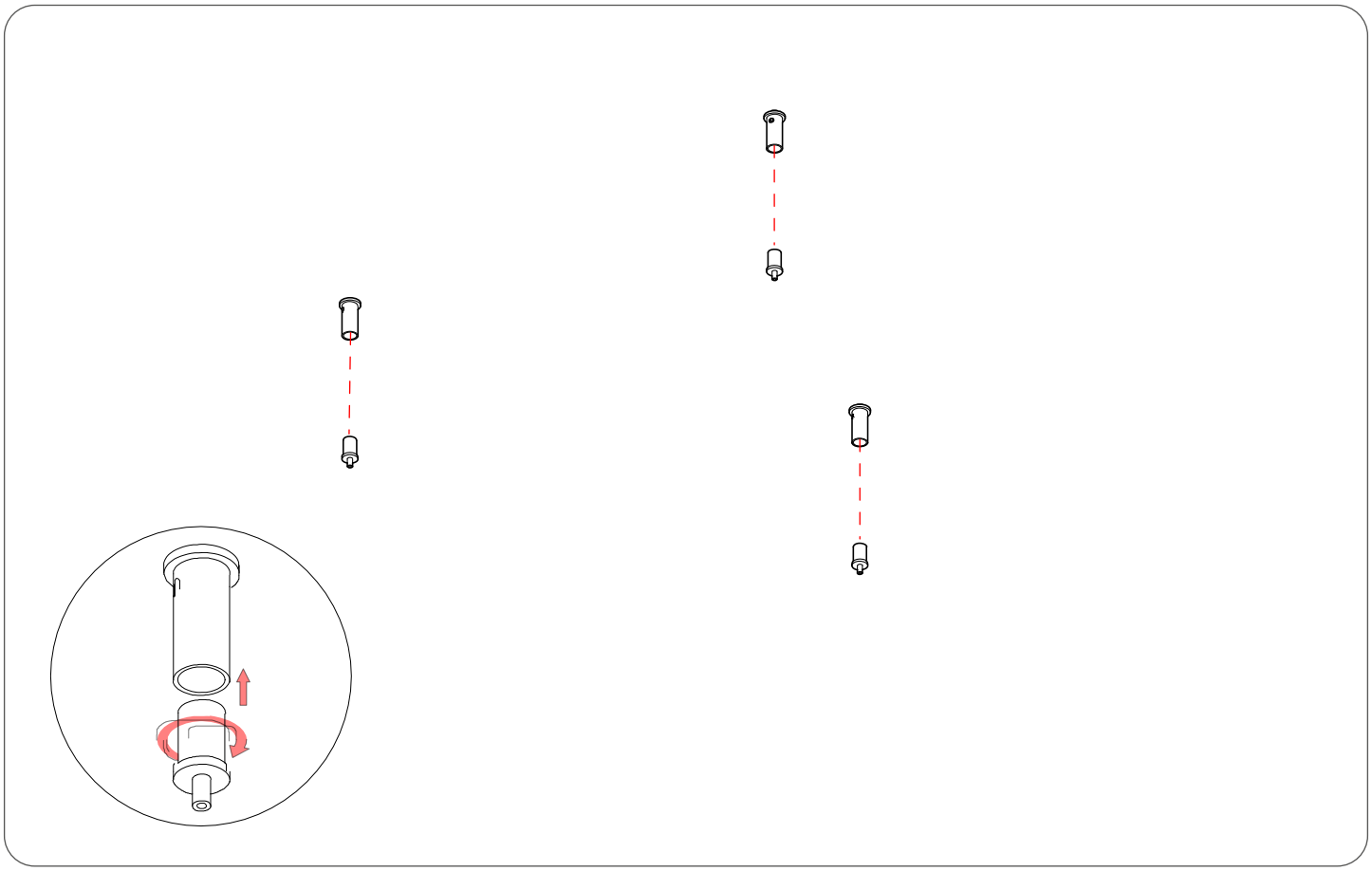
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Installation of ceiling components and suspension of the luminaire

- Assembling the complete ceiling holders for the cable suspension.

Step 4 - Install the lower holder components

- Insert the lower holder component into the body attached to the ceiling.
- Screw in the component in the direction shown in the illustration.
- Tighten the connection until resistance is felt.
- Repeat at all three points.



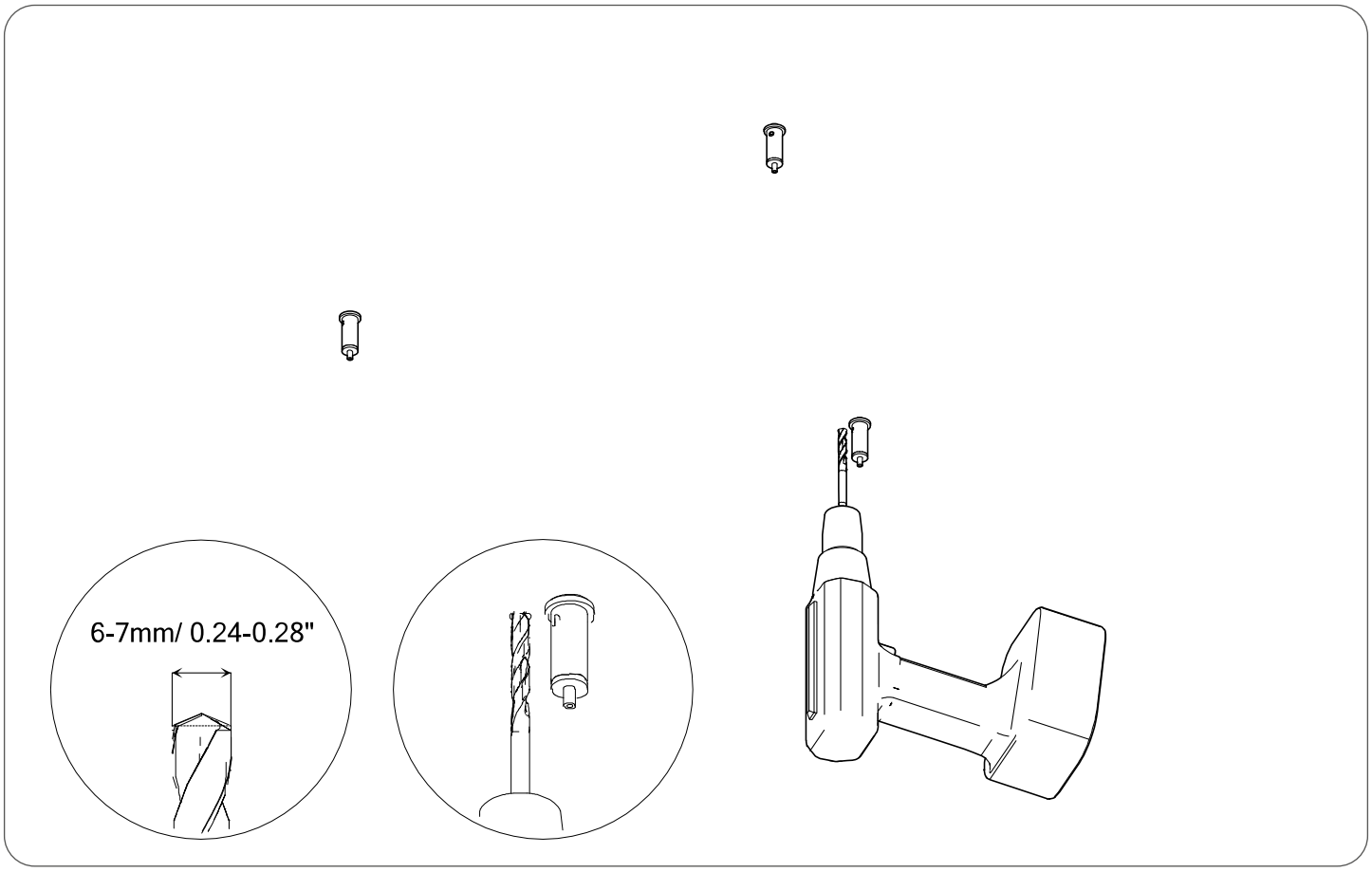
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Installation of ceiling components and suspension of the luminaire

- Preparing a pass-through for the luminaire low-voltage cable.

Step 5 - Drill the hole for the power cable

- Mark the cable entry point 20 mm from the selected suspension holder.
- Drill a hole 6-7 mm (0.24-0.28”) in diameter.
- Remove dust and sharp edges after drilling.
- Check that the cable can be routed without bends or tension.



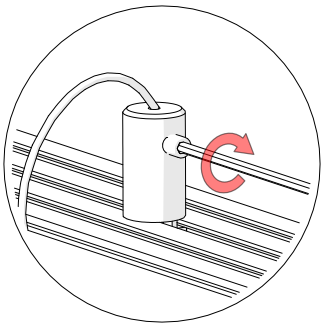
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

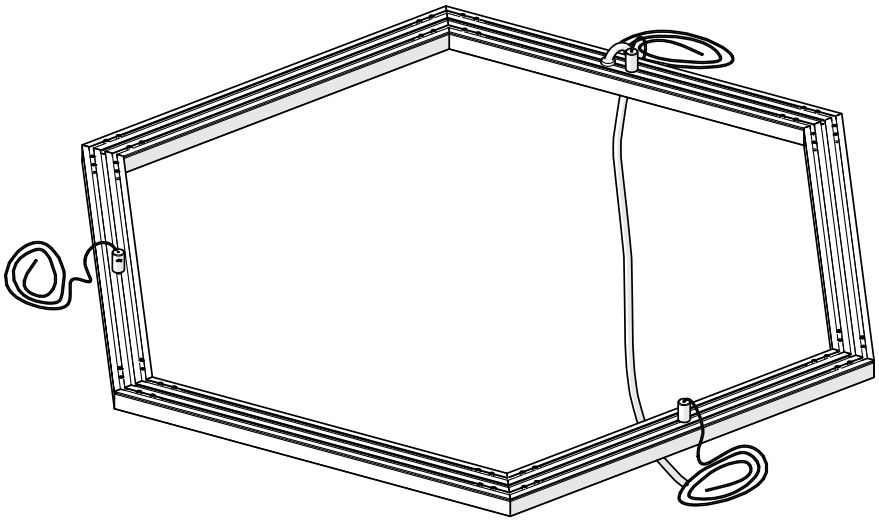
Installing the luminaire on suspension cables

- Securing and adjusting the steel cables in the grippers.

Step 6 - Secure the cables in the grippers

- Place the luminaire on a clean, soft surface to protect the frame from scratches.
- Insert the steel cables into the three FI-8 cable grippers mounted on the luminaire.
- Set the initial cable length.
- The maximum suspension length is 2 m.
- Tighten the set screws in all grippers and check that the cables are locked securely.





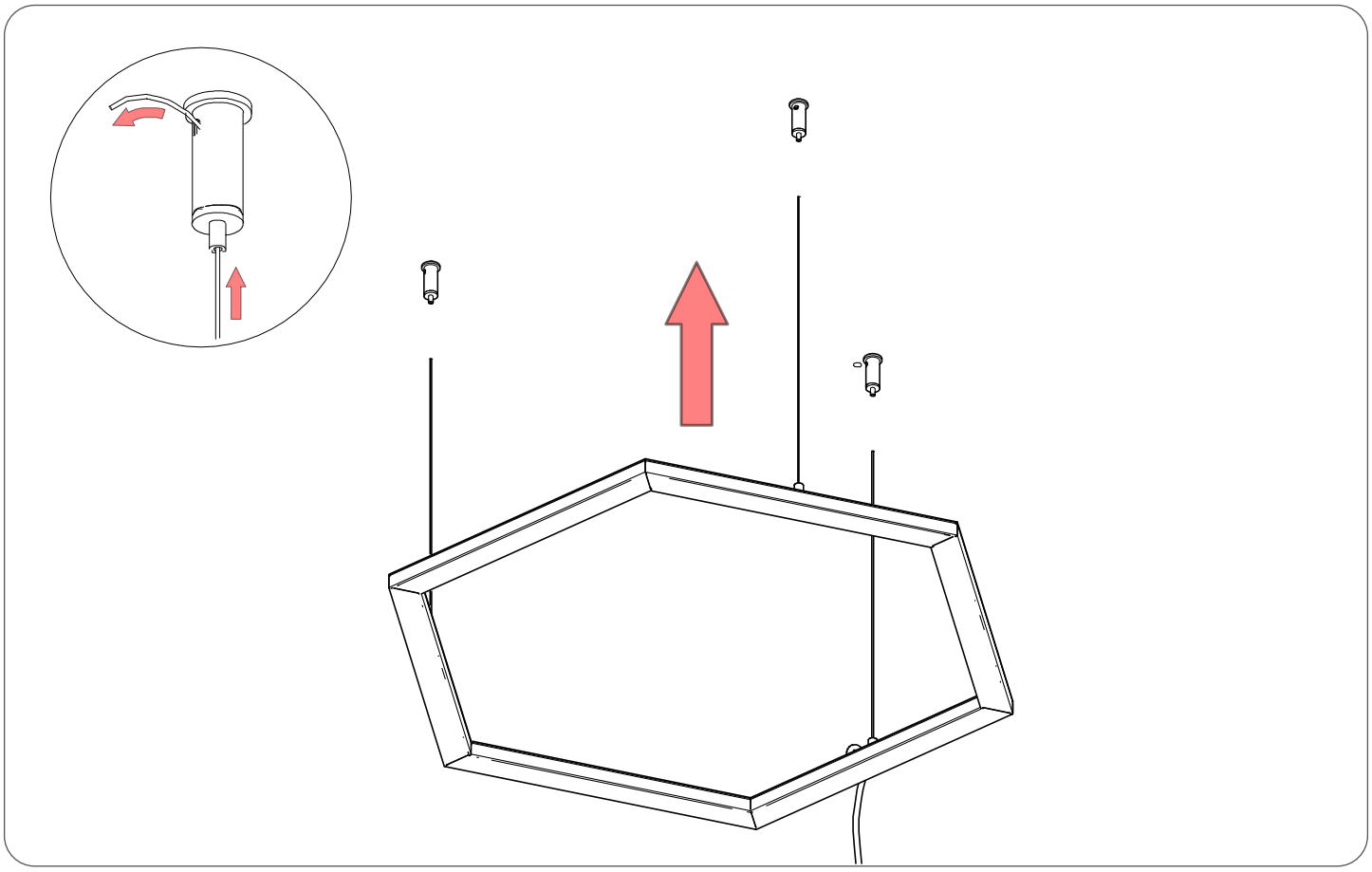
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Installing the luminaire on suspension cables

- Connecting the luminaire cables to the ceiling-mounted holders.

Step 7 - Suspend the luminaire from the ceiling holders

- Due to the size of the luminaire, installation must be carried out with the assistance of a second person.
- Lift the luminaire and insert the free ends of the three cables into the ceiling holders.
- Raise the luminaire gradually, keeping all cables at approximately the same length.
- Check that each cable is securely locked in its holder.



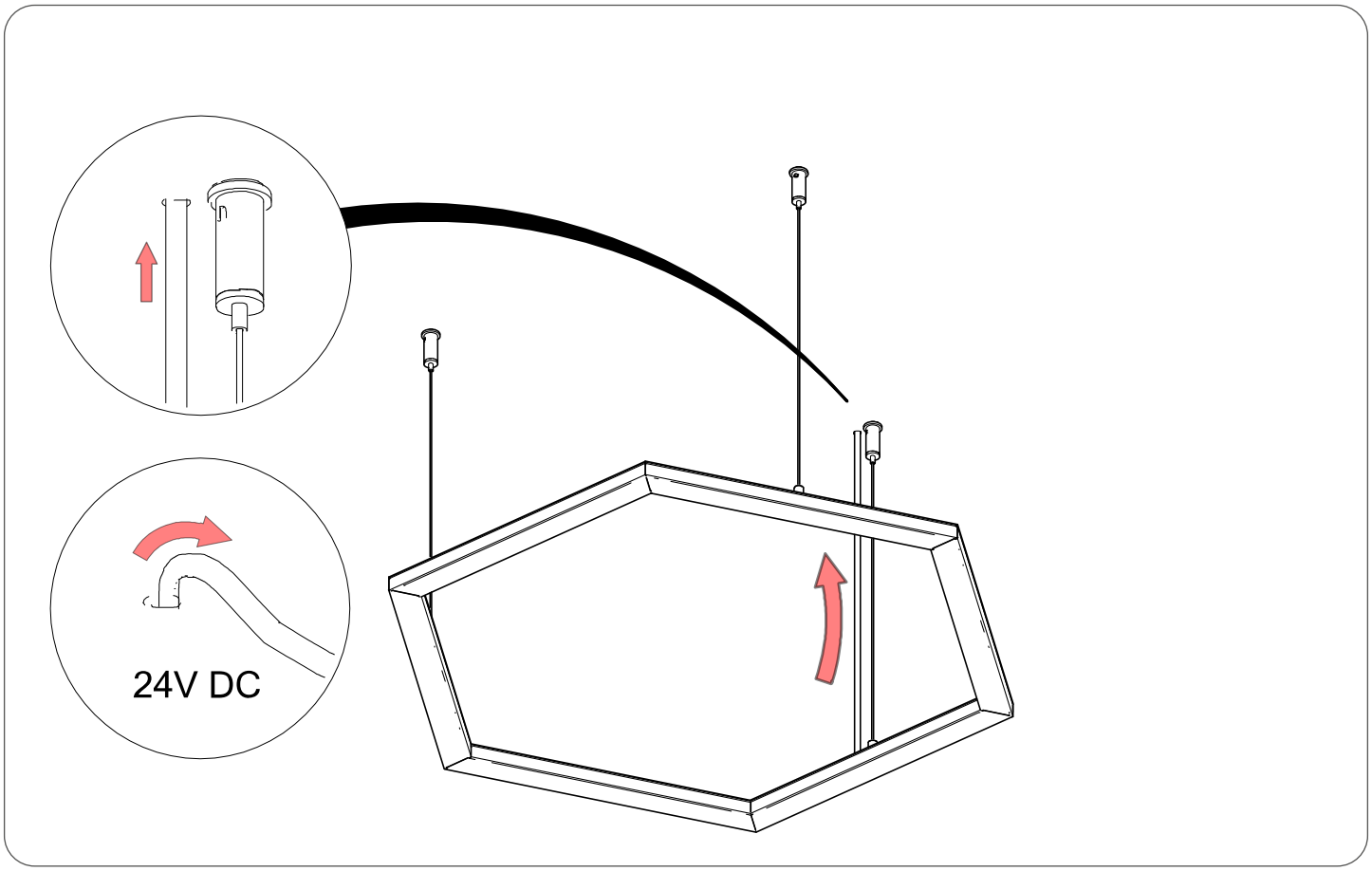
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Routing the luminaire cables

- Routing the 24 V DC cables to the power supply installation location.

Step 8 - Route the 24 V DC cables

- Pass the luminaire cables through the prepared hole.
- Route them to the space intended for the power supply.
- Leave enough slack for height adjustment and future servicing.
- Route the cables without twisting, sharp bends or tension.



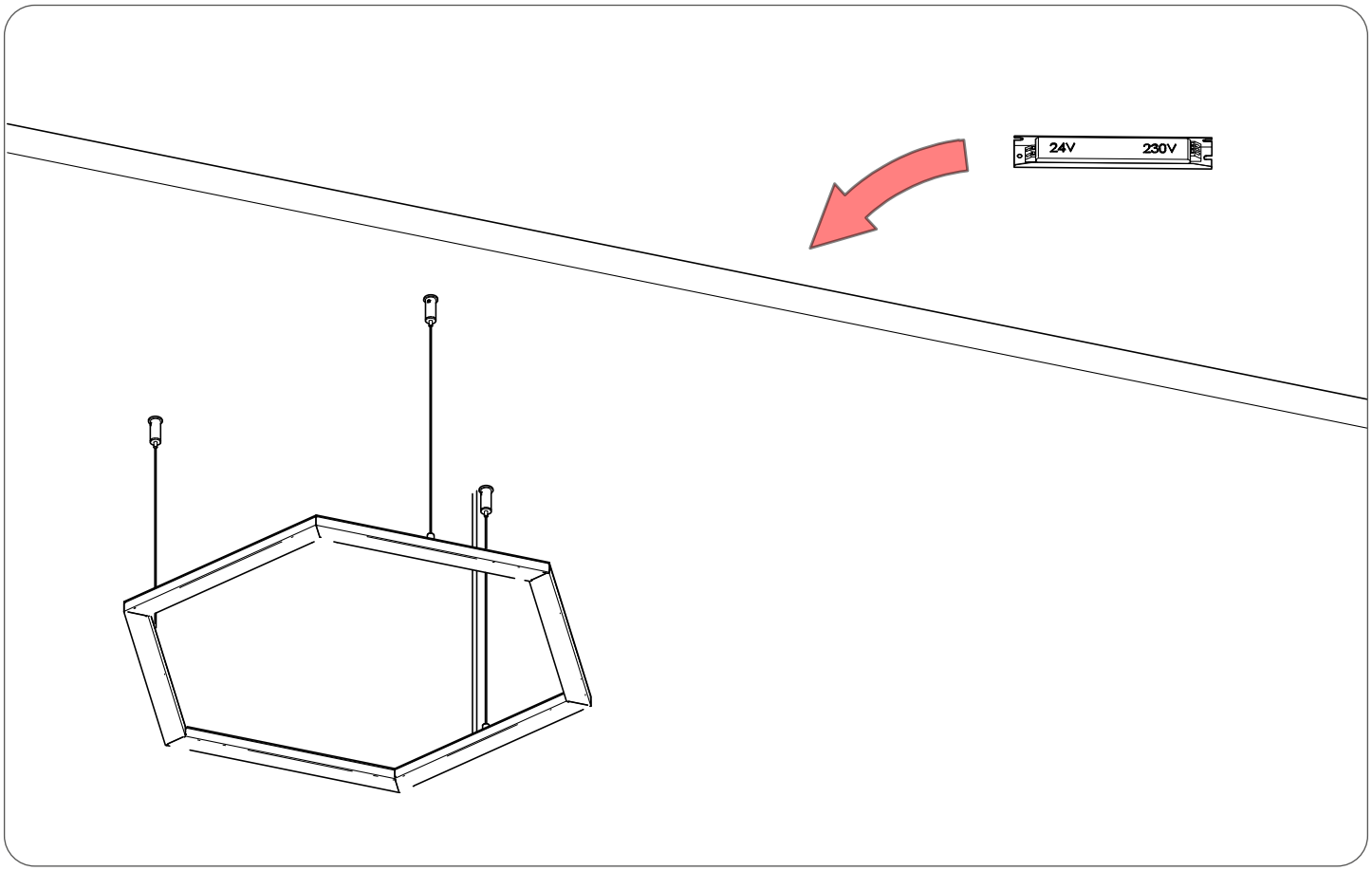
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Installing the power supply

- Placing the 230 V AC / 24 V DC power supply in the service space.

Step 9 - Position the power supply above the ceiling

- Use a power supply suitable for the selected HEXA-H-1 luminaire configuration.
- Place the power supply in an accessible space above the ceiling or inside a cover.
- Ensure easy access for servicing and adequate heat dissipation.
- Arrange the cables so that they are not pinched or under tension.



KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Electrical connection

- Connecting the luminaire wires to the 24 V DC output of the power supply.

RULES

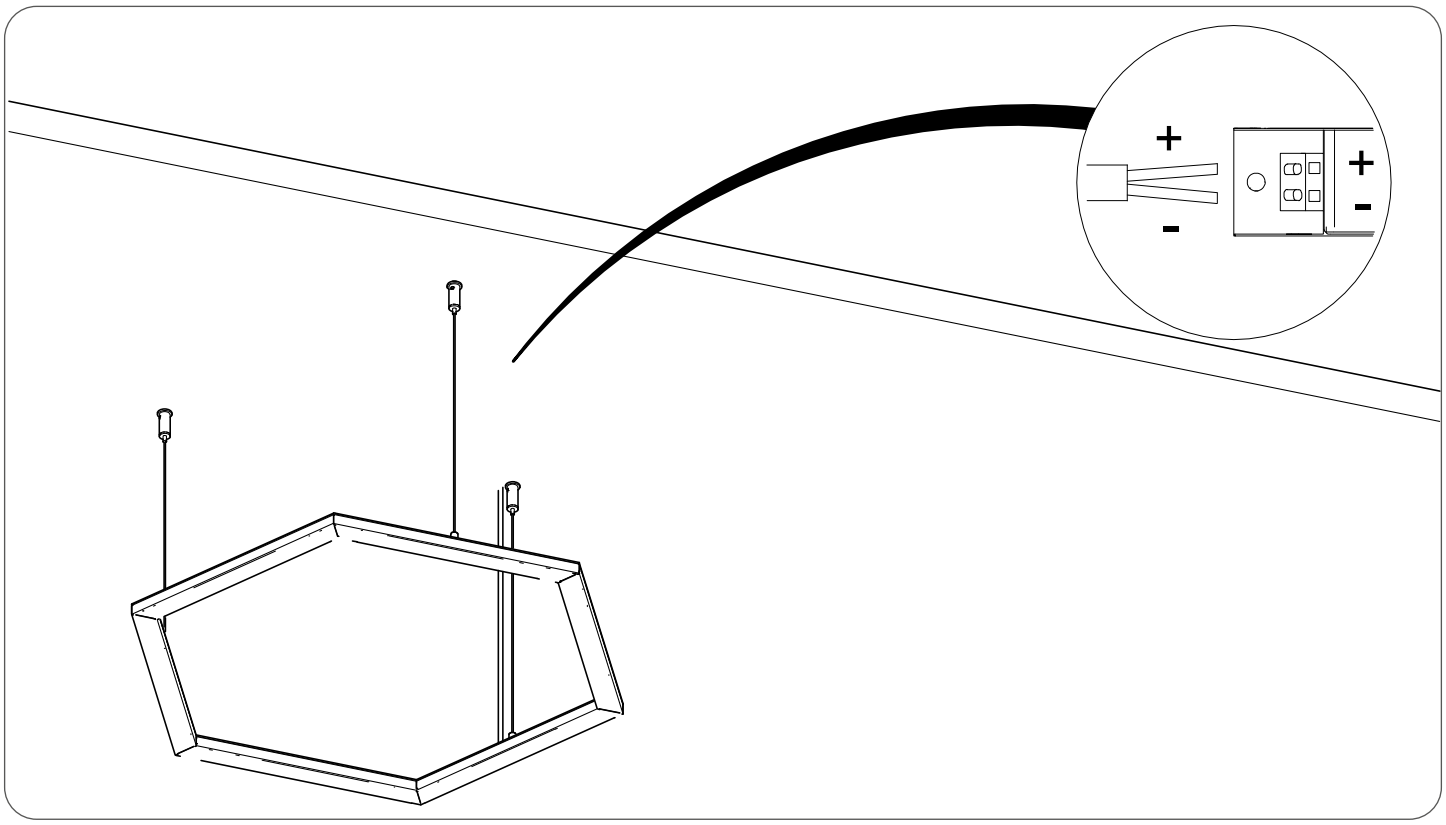
- POWER SUPPLY: 220-240V AC 50/60Hz
- Make connections only with the power disconnected.
- After connecting, ensure that the cable is secured and not under tension.

WIRE MARKINGS

- L – live
- N – neutral
- PE – protective earth
- DA+ / DA- – control (if included in the luminaire version)

Step 10 - Connect the luminaire to the 24 V DC output

- Make sure the mains power is disconnected.
- Connect the positive wire to the + terminal and the negative wire to the - terminal.
- Check the polarity and ensure that the wires are securely seated in the terminals.
- Connect the 230 V AC side in accordance with the power supply instructions.



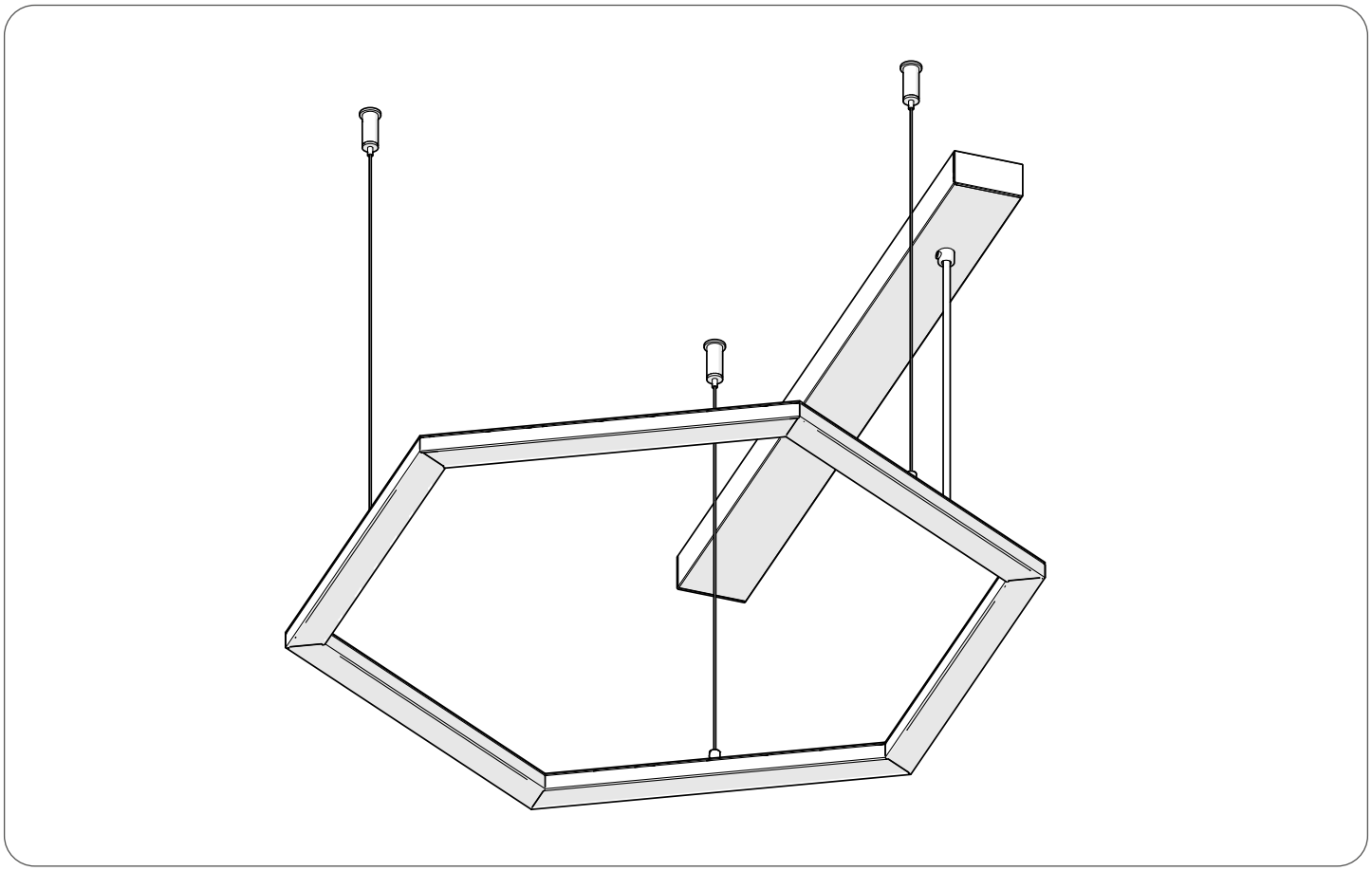
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Optional accessories

- Option to use the BOX-M600 ceiling canopy.

Step 11 - Install the BOX-M600 ceiling canopy (optional)

- Select the BOX-M600 ceiling canopy version that suits the design and finish of the luminaire.
- Position the canopy according to the cable routing and the location of the power supply.
- Conceal the connections and components intended to be housed inside it.
- Install the BOX-M600 in accordance with the separate instructions for this product.
- Note: Before switching on, remove all tools and make sure the luminaire is stable.



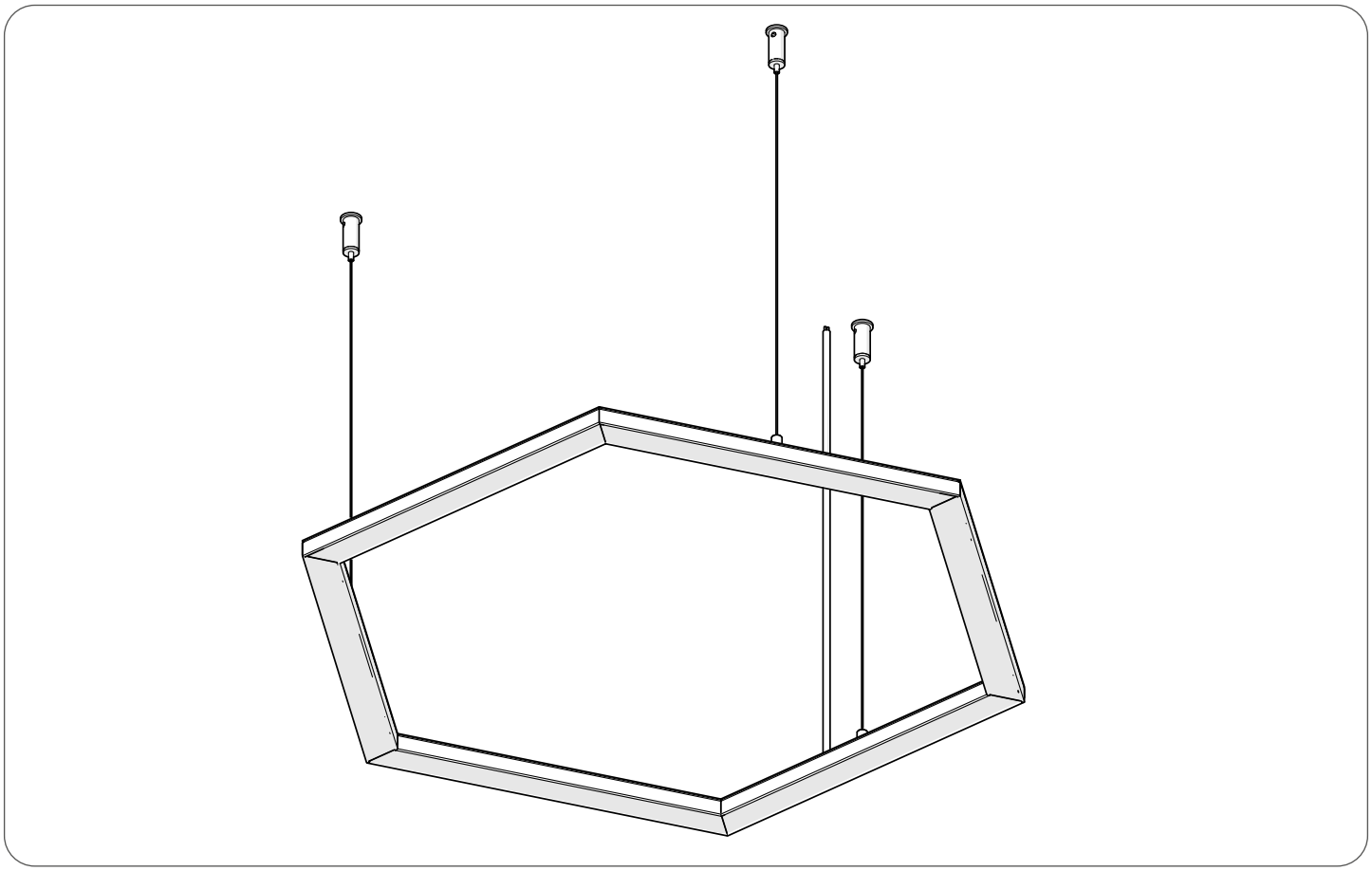
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Final leveling and operation check

- Adjusting the luminaire position and checking all mounting points.

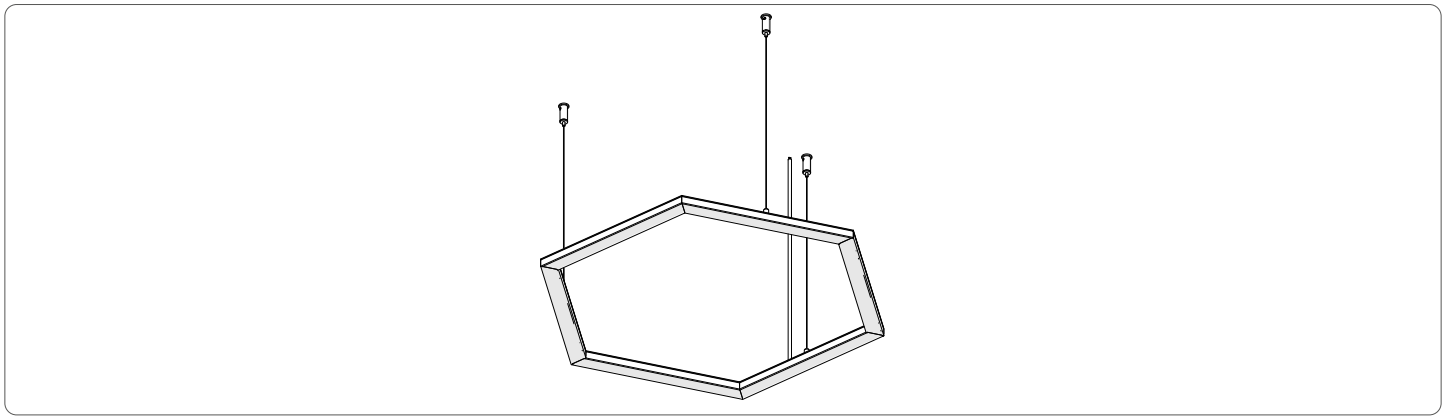
Step 12 - Level the luminaire and perform the final check

- Adjust the cable lengths until the luminaire is at the required height.
- Position the hexagonal frame in a single plane, parallel to the ceiling.
- Check the FI-8 set screws, the three ceiling holders and that the cable is not under tension.
- Once the connections are complete, switch on the power and test operation.



KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Maintenance, disposal and EU compliance



CLEANING:

- Clean with a dry or slightly damp cloth.
- Do not use abrasive cleaners or aggressive chemicals.

DISPOSAL

- Do not dispose of with municipal waste.
- Take it to a collection point for electrical and electronic equipment.

COMPLIANCE

- The product meets the requirements of EU directives: PN-EN 60598-1

*** LUMINAIRE DISASSEMBLY**

Disassemble in the reverse order of installation. Carry out all work with the power disconnected.

CAUTION!

Before starting disassembly, always disconnect the 220-240V AC 50/60Hz power supply.
Secure the luminaire against falling when removing it.

- Switch off the power and make sure there is no voltage in the circuit.
- Remove the covers from the ceiling canopy and loosen the cable locking screws.
- Remove the canopy.
- Disconnect the power supply wires (L, N, PE) and the control wires (DA+/DA-), if present.
- Release the clamping mechanisms and slide the steel cables out of the suspension holders.
- Carefully remove the luminaire from its suspension, securing it against falling.
- If necessary, remove the mounting components (holders, screws and anchors) from the ceiling.
- After disassembly, secure the installation wires in accordance with applicable regulations.

After disassembly, secure the installation wires in accordance with applicable regulations.

KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968