CIRCA-H-1

Installation and operating instructions

Table of contents

About the product	2
Preparing the mounting points I	3
nstalling the ceiling components	4
Preparing the cable and luminaire	5
Suspending the luminaire	6
Height adjustment and cable routing	7
Connecting the 24 V DC power supply	8
Optional BOX-M600 installation and final inspection	9
Maintenance, disposal, compliance and disassembly	10

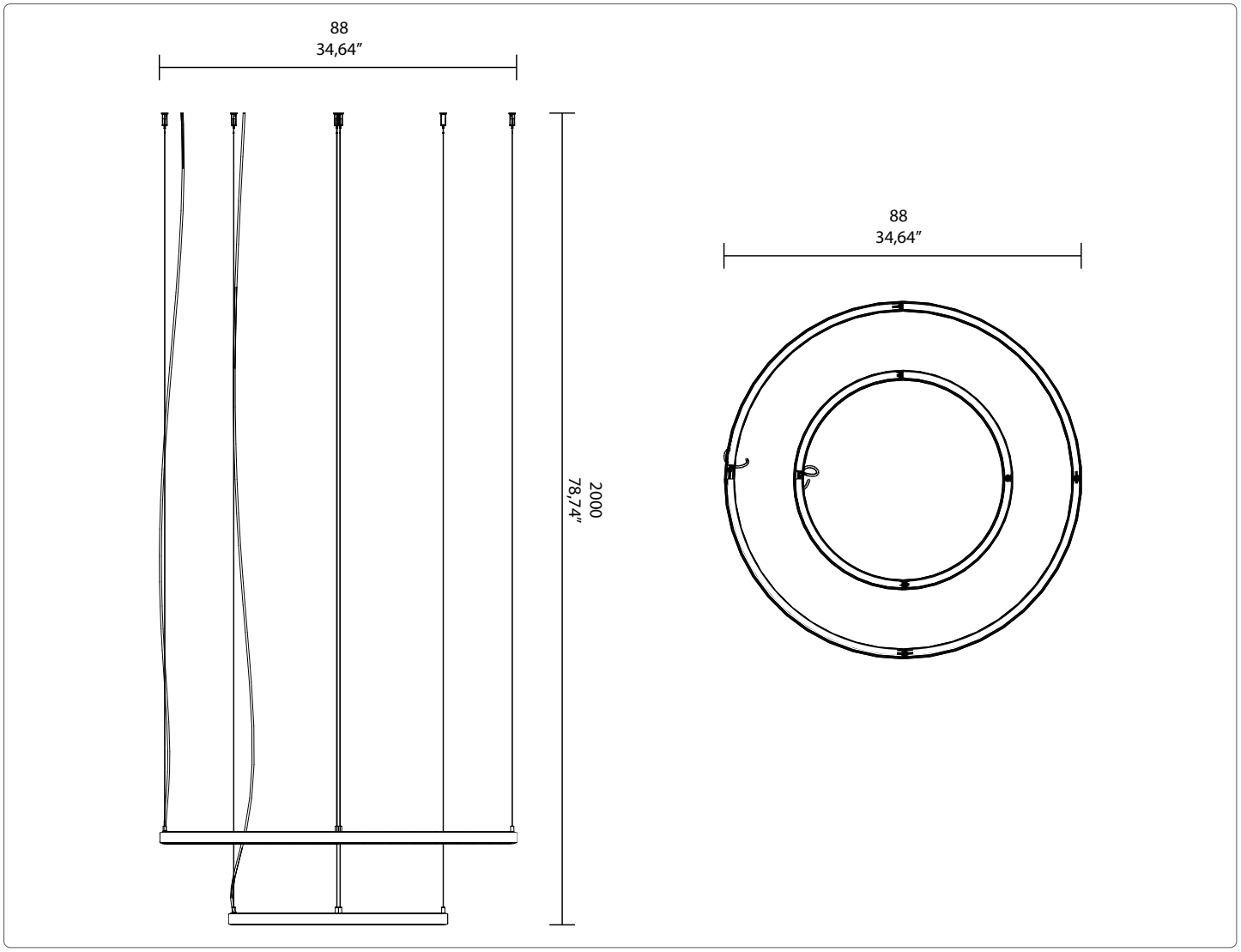
Fully assembled luminaire

Installation: suspended

CE • LVD • EMC • RoHS

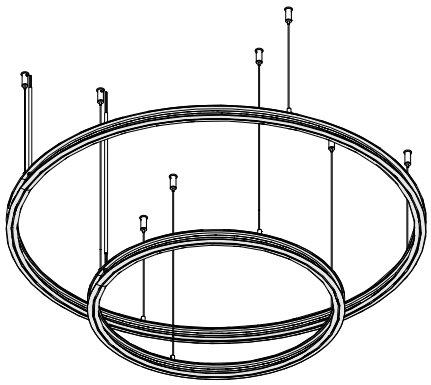
24V DC

DIMENSIONS:

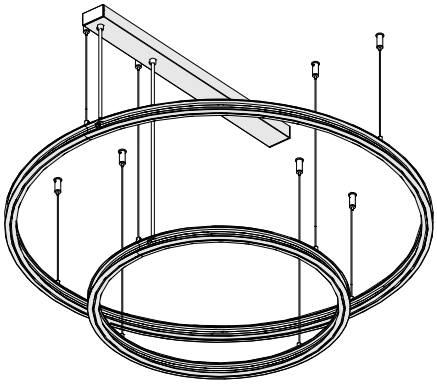


KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

CIRCA-H-1 is a complete luminaire designed for suspended installation. The luminaire is powered by 24 V DC from a suitably rated power supply. These instructions describe mechanical installation, suspension adjustment and low-voltage connection.



Example configuration without BOX-M600



Example configuration with BOX-M600

KIT INCLUDES:

- CIRCA-H-1 luminaire (complete)
- Suspension components / mounting hardware (depending on configuration)
- Instructions

NOT INCLUDED IN THE KIT

- Screws and wall plugs suitable for the mounting surface (not always included)
- Control components (if provided with the luminaire version)
- 24 V DC power supply and BOX-M600, if these components are not included in the selected configuration.

REQUIRED TOOLS

- drill
- spirit level,
- screwdriver

SAFETY

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

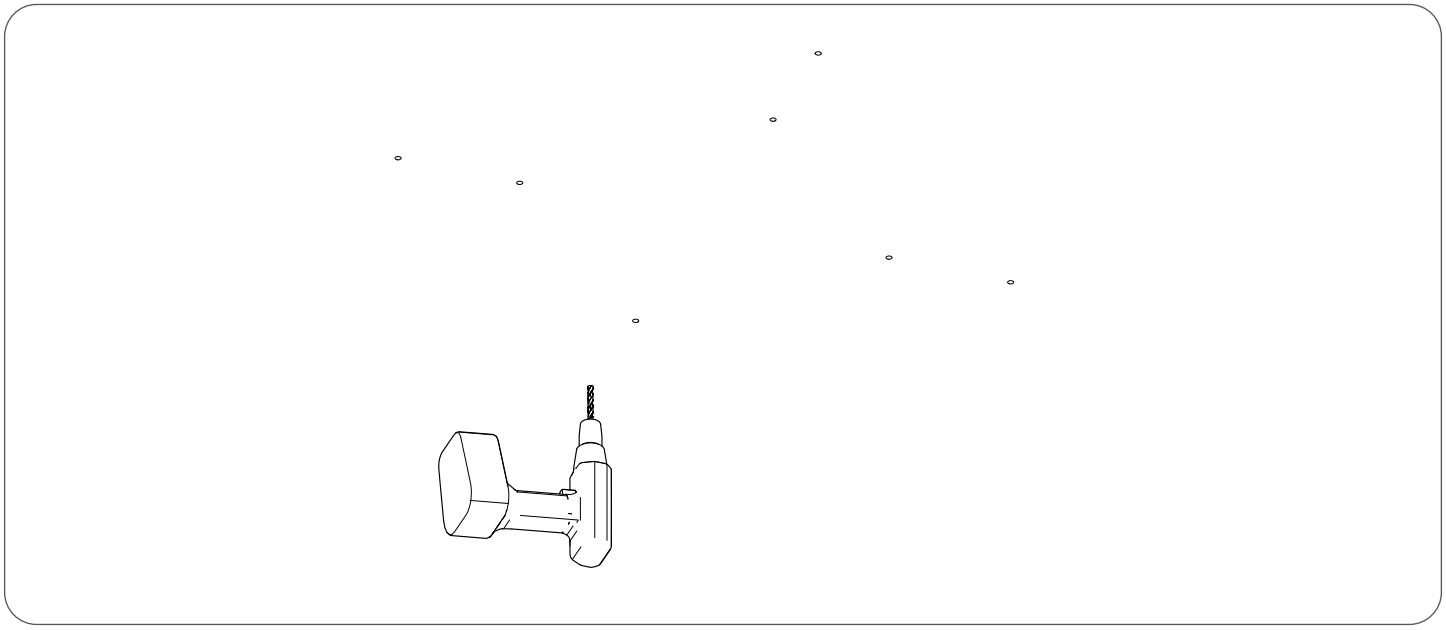
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Preparing the mounting points

- Marking the mounting points on the ceiling and preparing the mounting holes.

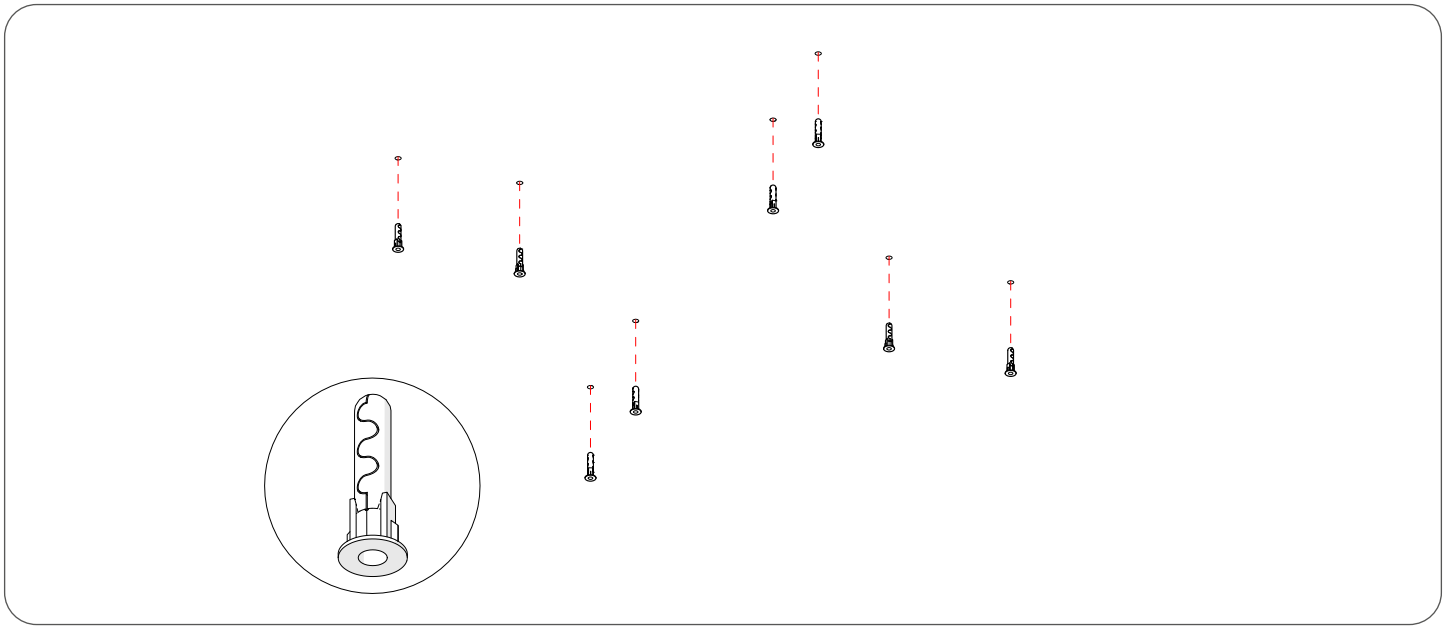
Step 1 - Mark and drill the holes

- Determine the luminaire position and mark the mounting points on the ceiling according to the layout shown in the drawing.
- Take into account the location of the 24V DC power cable outlet.
- Check the load-bearing capacity of the ceiling and make sure there are no concealed services at the drilling locations



Step 2 - Drill the holes and insert the fixings

- Select wall plugs and screws to suit the substrate: concrete / brick / plasterboard / wood.
- Insert the wall plugs perpendicular to the ceiling surface and check that they are secure.



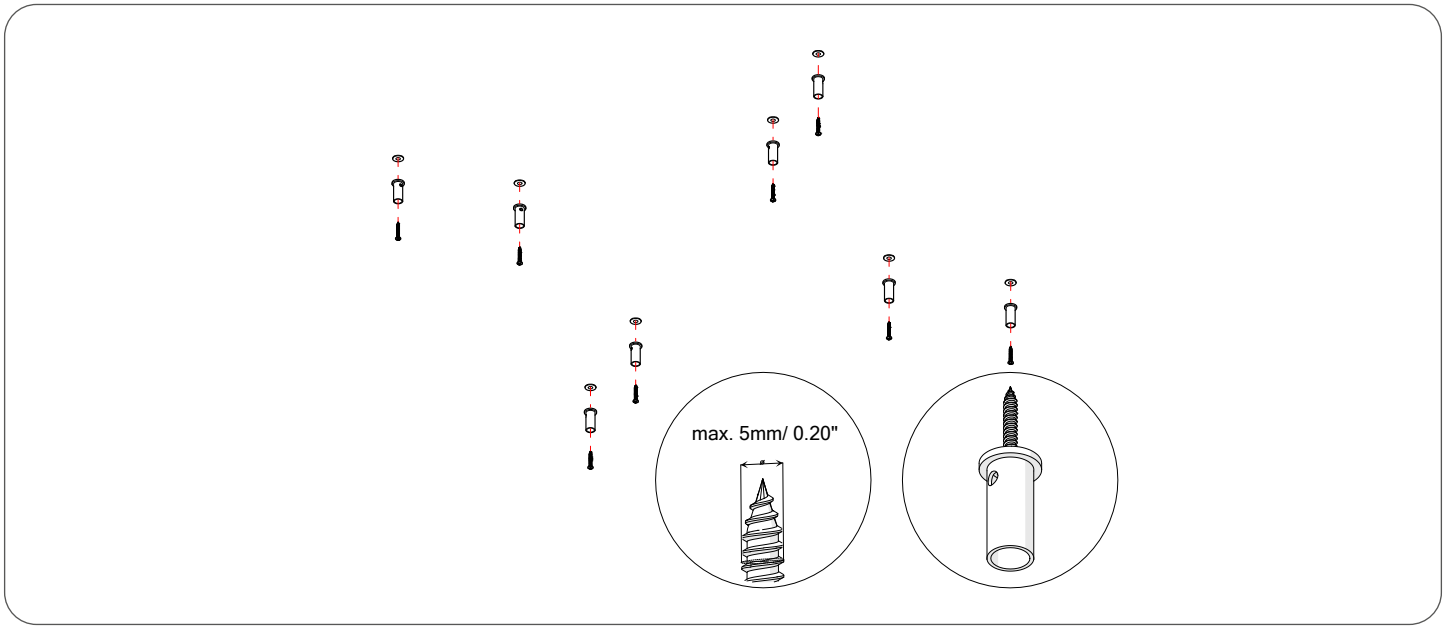
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Installing the ceiling components

- Installing the ceiling suspension components and preparing the steel cables.

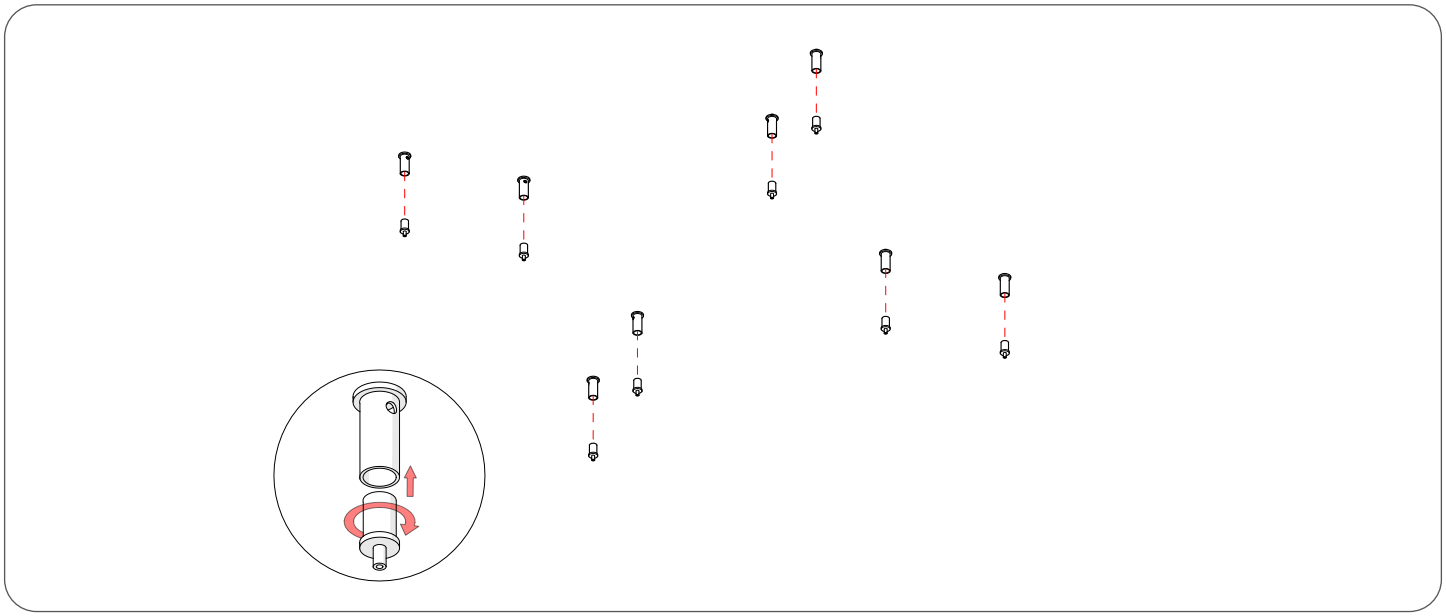
Step 1 - Install the suspension housings

- Screw the suspension components into the prepared mounting points.
- Do not exceed the maximum fixing diameter indicated in the drawing.
- Make sure the suspension housings are straight and securely mounted.



Step 2 - Insert the steel suspension cables and lock the mechanisms

- Insert the steel cables into the suspension mechanisms in the direction shown in the drawing.
- Lock the adjustment mechanisms and apply a test load to each cable.
- Leave sufficient extra cable length for later adjustment of the luminaire height.



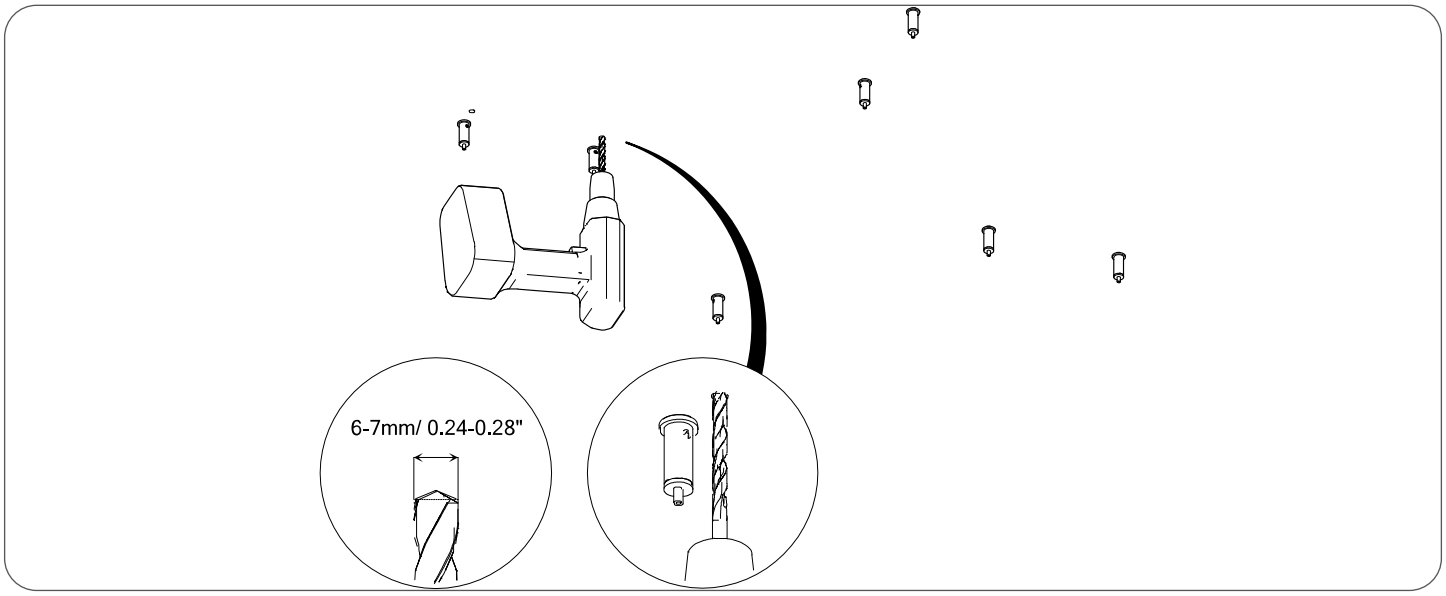
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Preparing the cable and luminaire

- Preparing the power cable fixings and luminaire components for suspension.

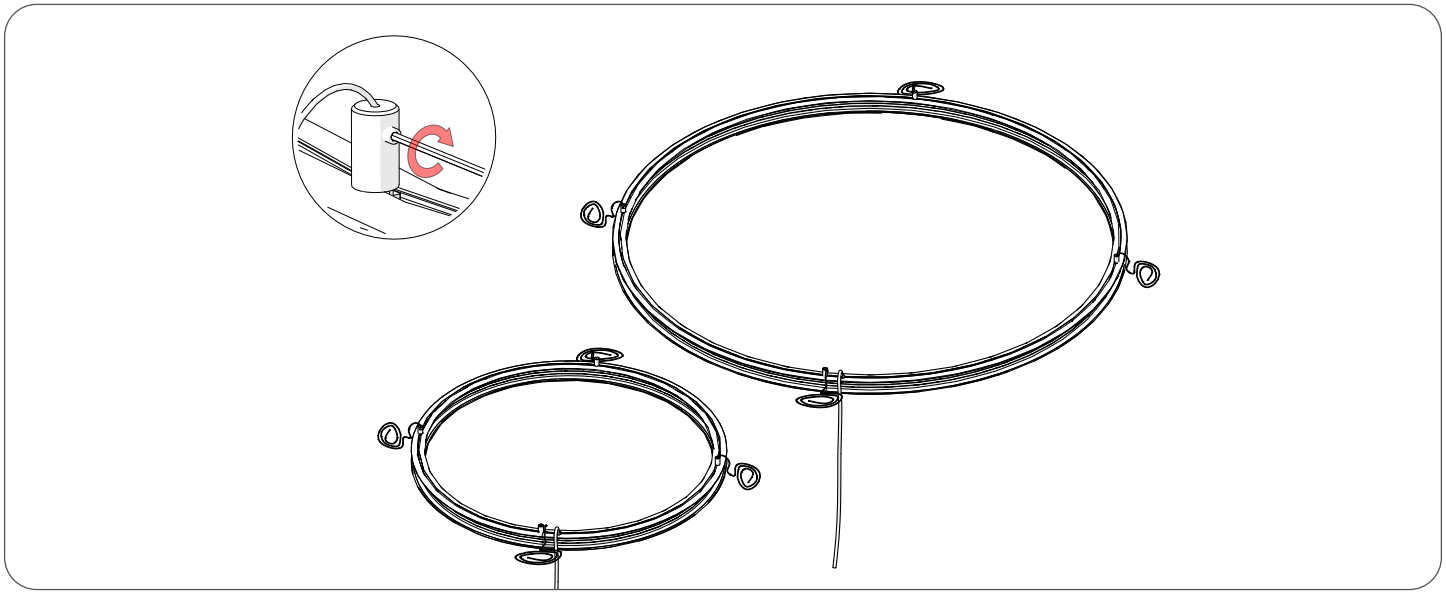
Step 1 - Prepare the cable routing points

- Drill holes within the diameter range indicated in the drawing and route the cables through them.



Step 2 - Prepare the luminaire components

- Lay both rings on a clean, stable surface.
- Check that all suspension brackets and cables emerging from the luminaire are present.
- Arrange the components in positions matching the intended geometry of the assembly.



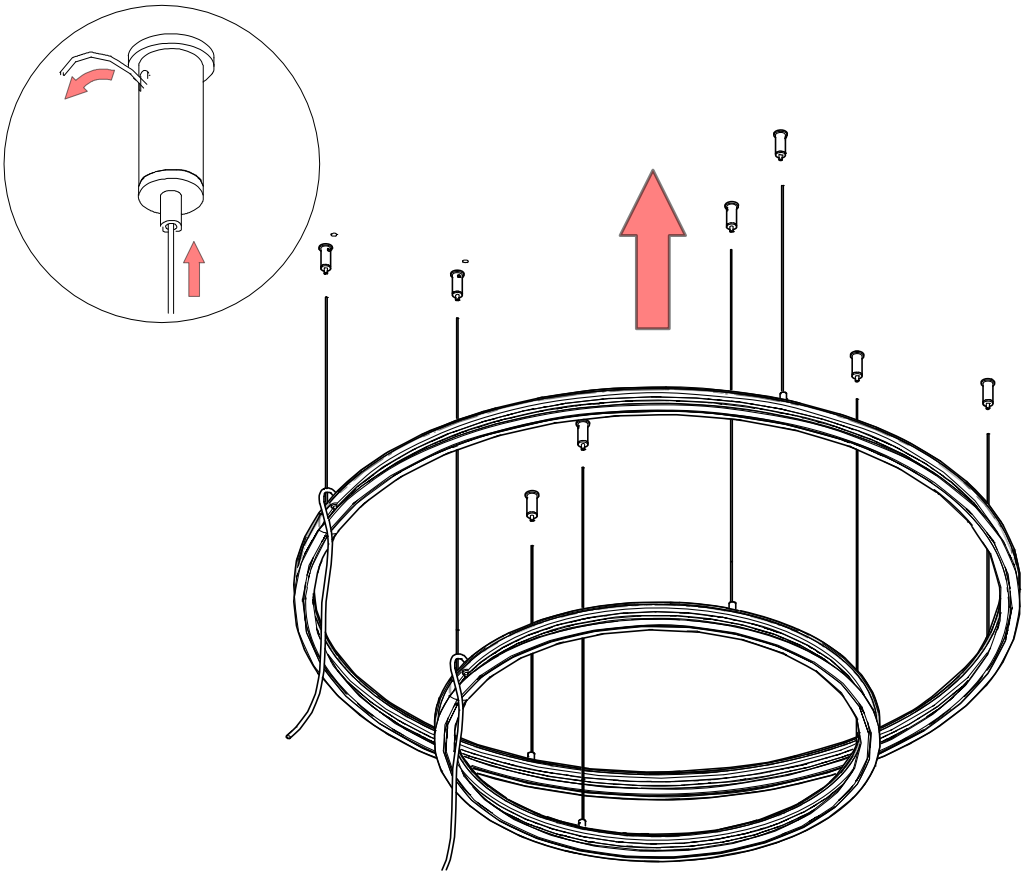
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Suspending the luminaire

- Attaching the luminaire rings to the prepared steel cables.

Step 1 - Suspend the luminaire and make the initial adjustments

- Secure the luminaire against falling and lift it evenly at a minimum of two points.
- Insert the cables into the luminaire brackets according to the layout shown in the drawing.
- Raise both rings to working height and make an initial alignment.
- Check that each cable is properly locked and supporting the load.



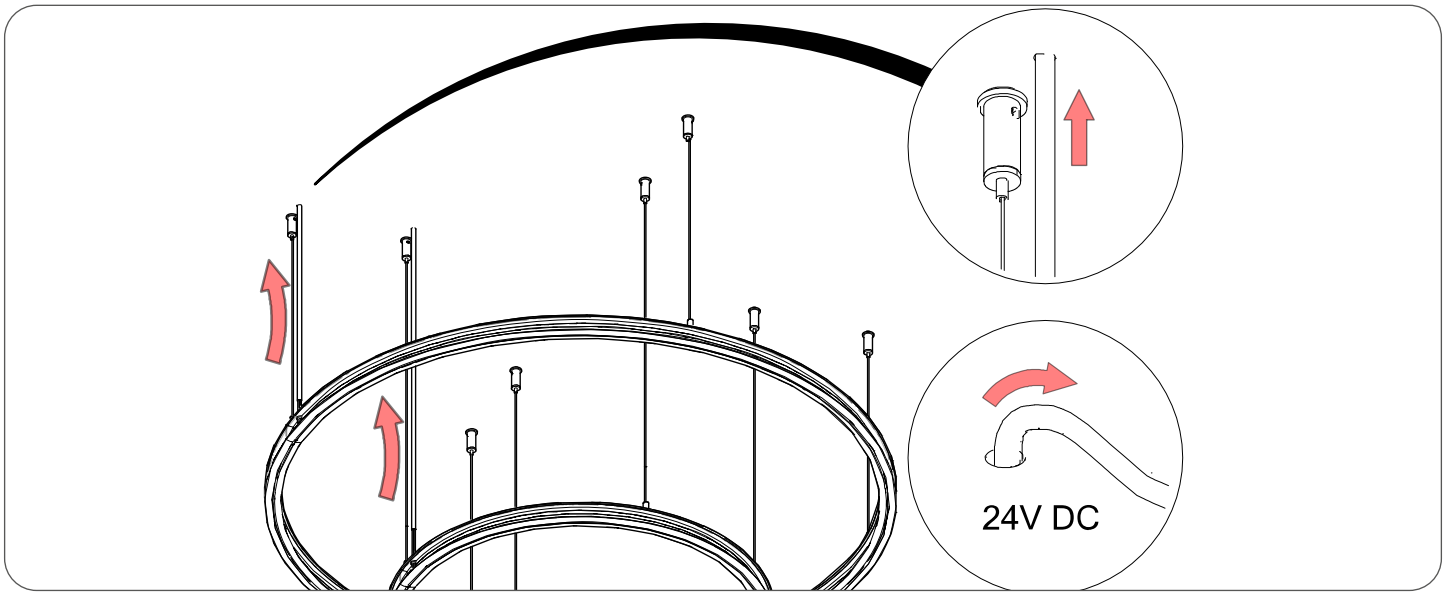
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Height adjustment and cable routing

- Setting the final geometry of the luminaire and preparing the 24V DC cable for connection.

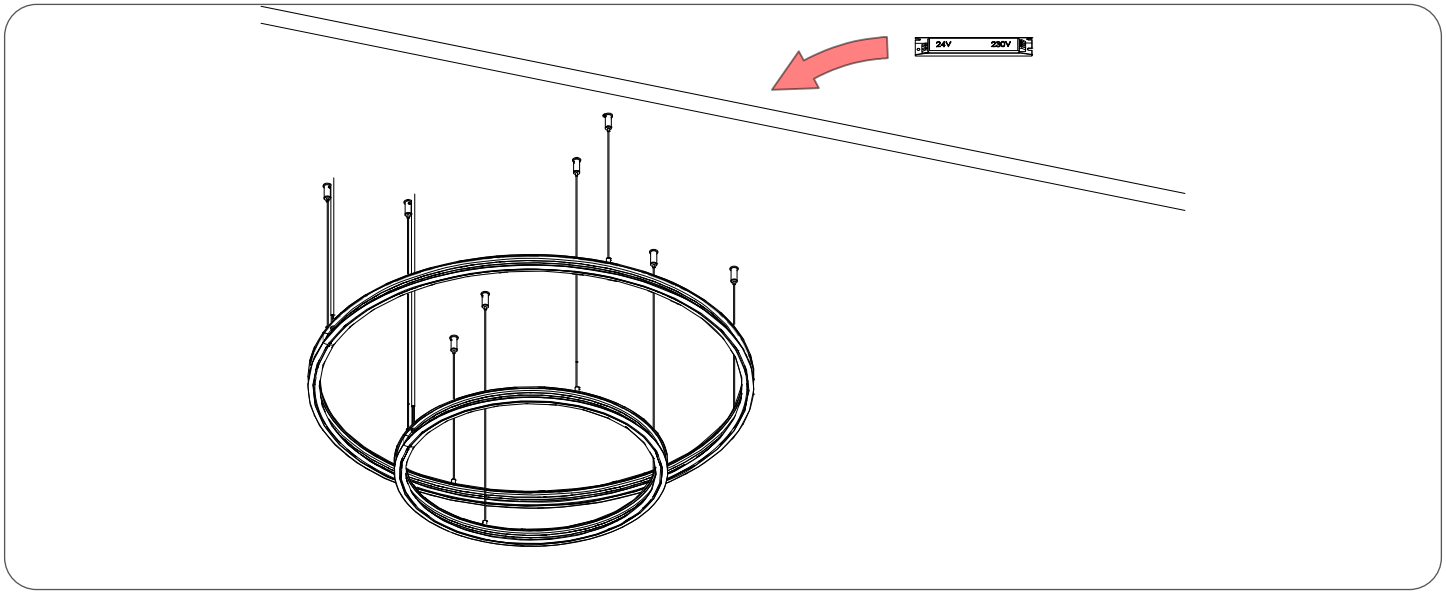
Step 1 - Set the luminaire height and arrange the cable

- Adjust the length of each suspension cable in turn until both rings reach their final positions.
- Check that the rings are level and correctly positioned relative to each other.
- Route the 24V DC cable without twisting, sharp bends or tension.



Step 2 - Secure the cable to the ceiling surface

- Insert the cable into the prepared cable guides.
- Route the cable in a smooth curve between the luminaire and the power connection point.
- Leave a small amount of slack to allow for luminaire adjustment and servicing.



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

Connecting the 24 V DC power supply

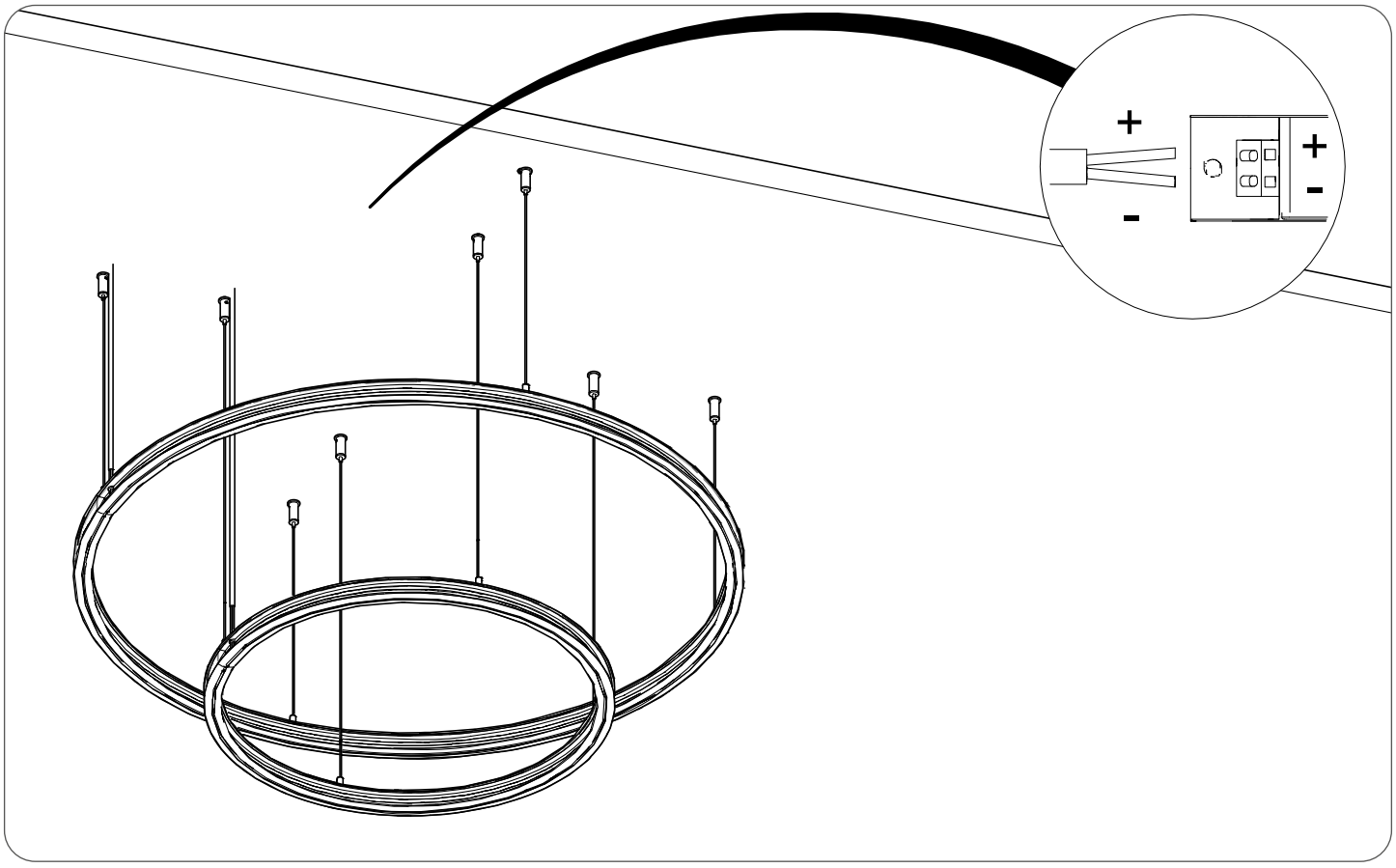
- Luminaire supply voltage: 24V DC.

RULES

- Connect the cables only when the power is disconnected.
- Use a 24V DC power supply rated for the luminaire configuration.
- Observe correct polarity: connect “+” to the positive terminal and “-” to the negative terminal.
- After connection, secure the cables against loosening and strain.

Step 1 - Install and connect the power supply

- Strip the conductors to a length suitable for the terminal used.
- Connect the positive and negative wires according to the markings on the connector.
- Check that the connection is secure - the conductors must not be loose or exposed outside the terminal.
- Route the cable inside the cover so that it is not pinched or resting against sharp edges.



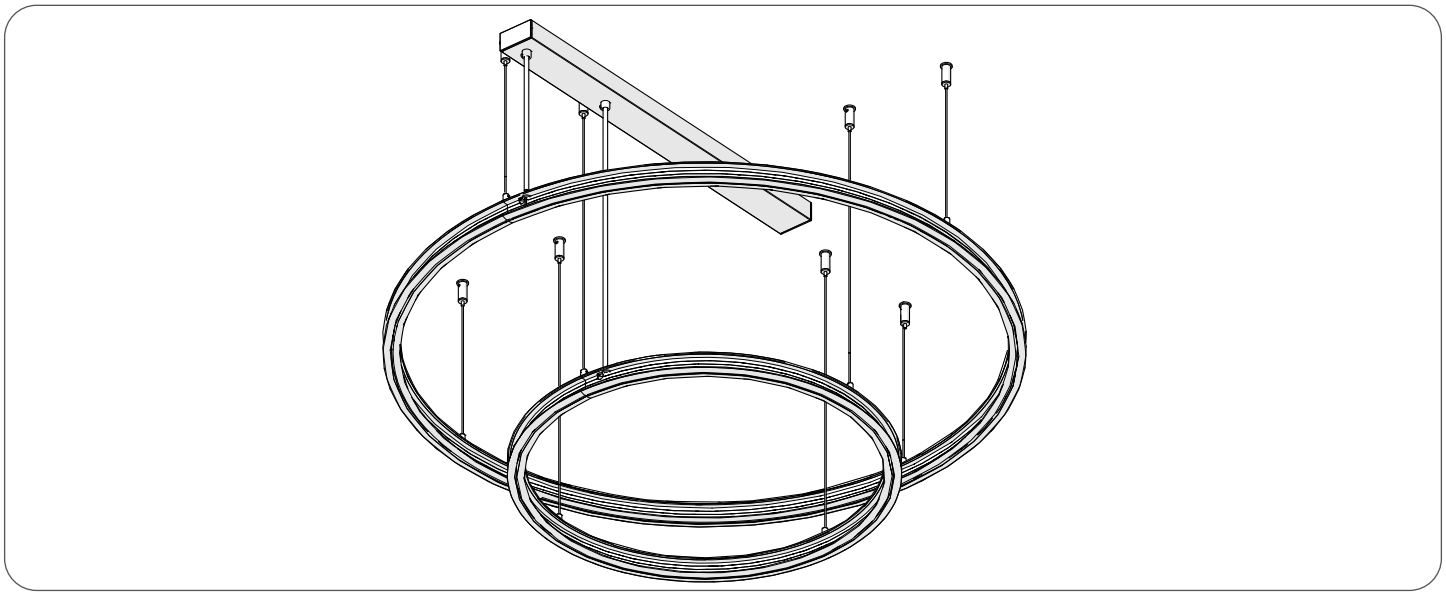
KLUŚ LLC
3755 9th St. Southwest
Vero Beach, FL 32968

Optional BOX-M600 installation and final inspection

- The BOX-M600 enclosure should be installed when the power supply cannot be concealed in the installation space or a ceiling recess.

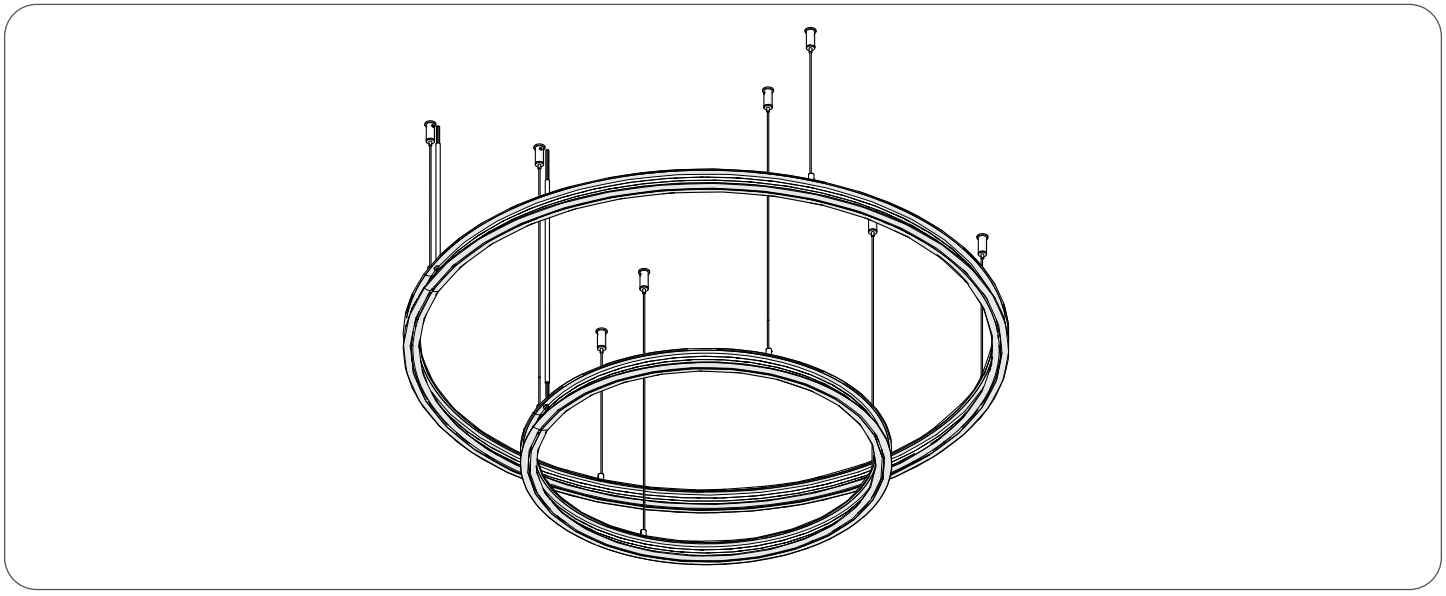
Step 1 - Install the optional BOX-M600 power supply enclosure

- If the power supply cannot be concealed in the installation space, mount the BOX-M600 enclosure on the ceiling surface, feed the cables into it, install the power supply and make the connections according to the wiring diagram, then close the enclosure.



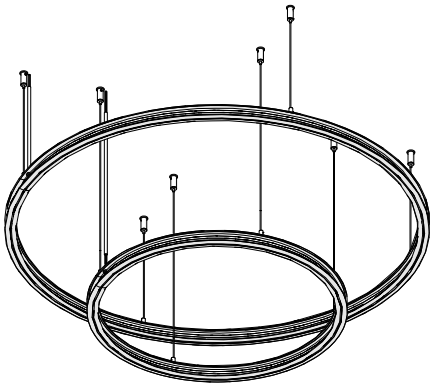
Step 2 - Perform the final inspection

- Check that all suspension cables are locked, the mounting points are secure and the luminaire is level.
- Make sure the power cable is neither under tension nor twisted.
- Switch on the 24V DC supply and test the luminaire.
- If any problems occur, immediately disconnect the power and check the connections.



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

Maintenance, disposal, EU compliance



CLEANING:

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

DISPOSAL

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

COMPLIANCE

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

*** LUMINAIRE DISASSEMBLY**

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

WARNING!

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

- Disconnect the 24 V DC cables from the luminaire.
- Support the luminaire and loosen the suspension set screws.
- Slide the cables out of the luminaire or ceiling components while continuously supporting the weight of the luminaire.
- Remove the suspension assemblies and ceiling fixings if required. Have a qualified person disconnect the power supply on the 230 V AC side.
- Secure the remaining cables in accordance with applicable regulations.

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

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