TUBE-1

Installation and User Manual

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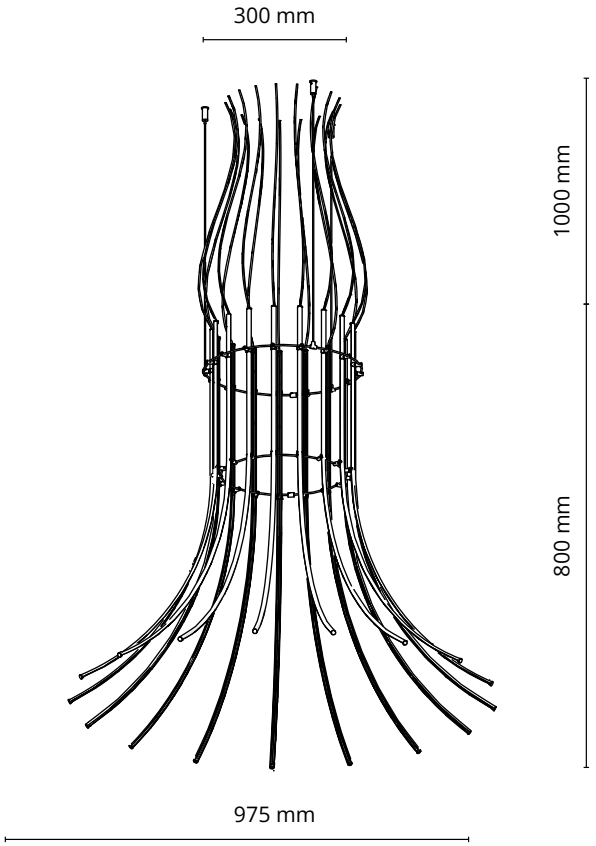
Ready-made luminaire

Suspended installation

CE • LVD • EMC • RoHS

220-240V AC 50/60Hz

DIMENSIONS:



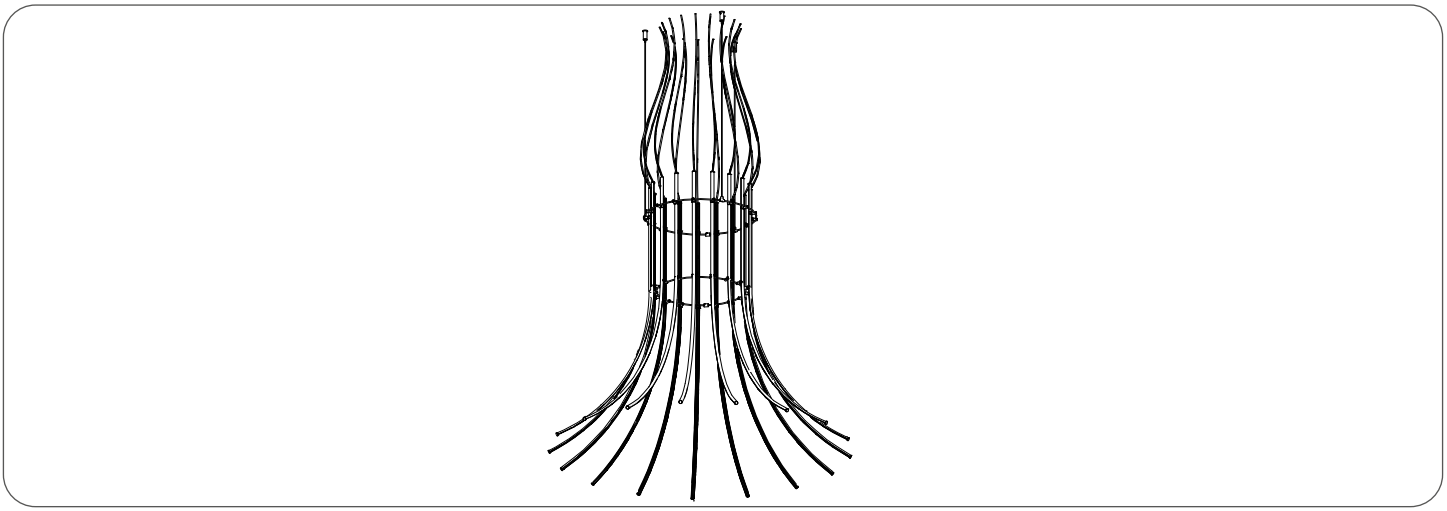
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Prepared by: Arnold Warchoł

Technical hotline **KLUŚ** DIRECT
phone +48 22 112 40 50
We invite you to talk about our lighting solutions
directly with a KLUŚ technical specialist.

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Corporate Headquarter
Słoneczna 126 St.
05-506 Kolonia Lesznowola (near Warsaw)

TUBE-1

is a ready-made lighting fixture intended for suspended installation.
This manual describes the standard mechanical installation and electrical connection of the fixture.



SET INCLUDES:

- Instruction manual
- TUBE-1 luminaire
- Suspension elements / mounting hardware (depending on configuration)
- Template for marking mounting points

THE SET DOES NOT INCLUDE

- Screws and wall plugs suitable for the substrate (not always included)
- Control elements (if included in the fixture version)
- Installation connectors (terminal blocks and quick electrical connectors)

REQUIRED TOOLS

- Drill
- Spirit level
- Screwdriver

SAFETY

- Disconnect the power supply before installation, cleaning, and servicing.
- Installation and connection should be performed by qualified personnel.
- Do not modify the fixture. Use only compatible components.
- Do not use the product if it is damaged.

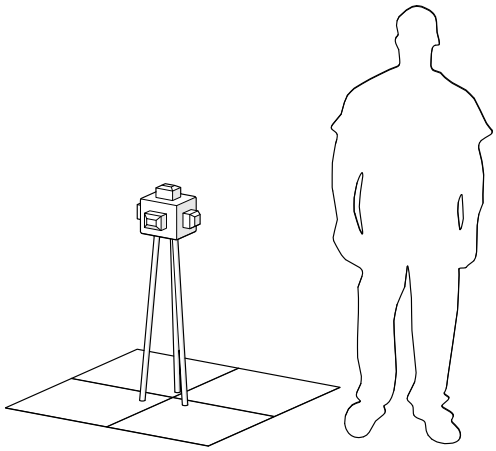
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Installation – Site Preparation

- Marking the mounting points, drilling, and preparing the power supply.

Step 1 - Mark the Mounting Points

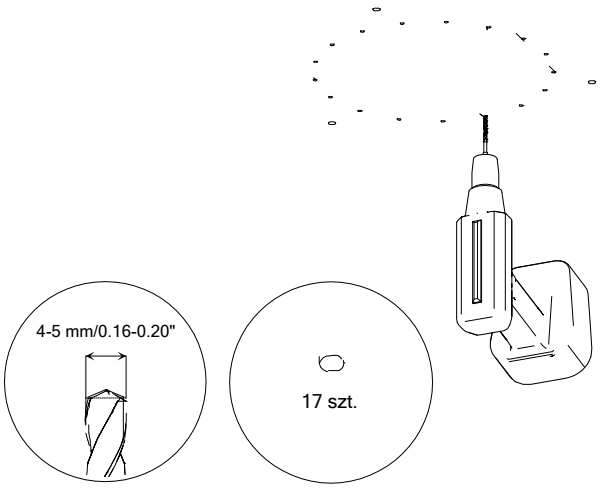
- Determine the final position of the fixture.
- Mark the exit points of the power wires for all light points.
- Separately mark the mounting points for the fixture mounting heads.



Note:
Use the suspension template included in the set.

Step 2 - Drill Holes for the Power Cables

- Drill 17 holes at the marked cable exit points.
- If a pre-installed setup for the fixture is available, match the supply wires to it.



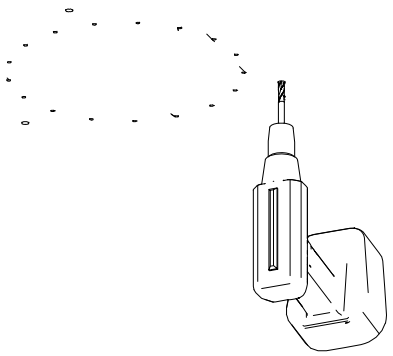
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Installing ceiling suspensions and hanging the fixture

- Installation of ceiling components, preparation of the power cable.

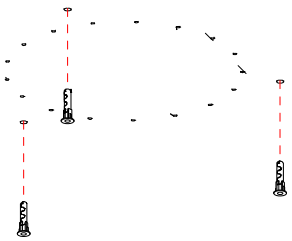
Step 1 - Drill Holes for the Heads

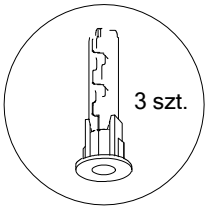
- Drill holes in the marked positions for the mounting heads.
- Adjust the hole diameter to the type of fasteners used.
- Remove installation dust before continuing.



Step 2 - Insert mounting anchors

- Insert wall plugs into the drilled holes.
- Push them in until fully seated in the substrate.
- Check the stability of all fixing points.





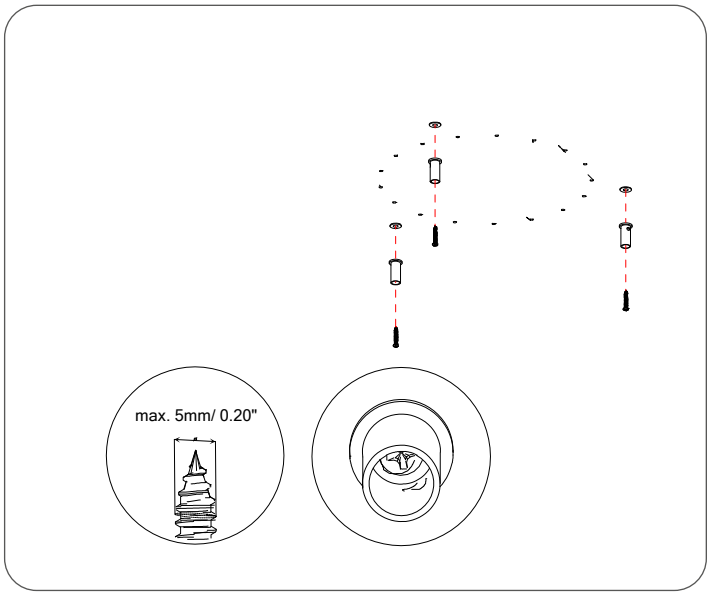
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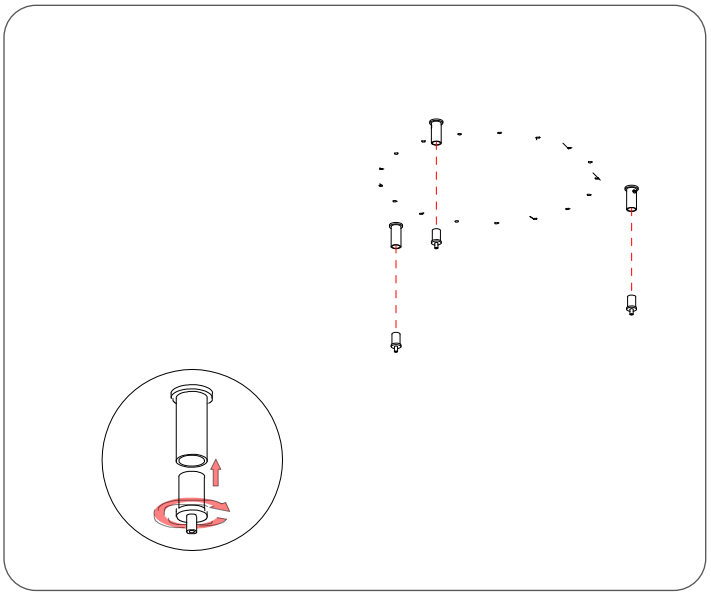
Installing ceiling suspensions and hanging the fixture

- Installation of ceiling components, preparation of the power cable.

Step 1 - Install Suspension Elements

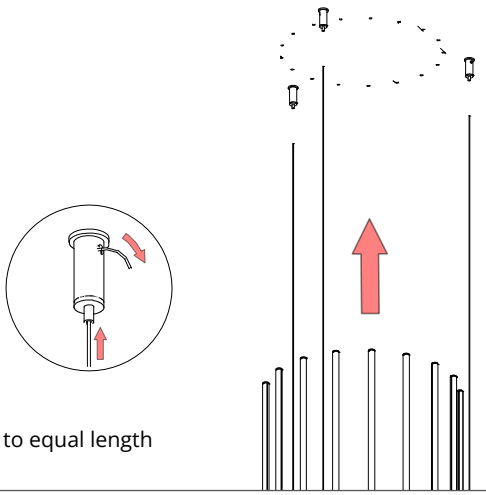
- Install the suspension elements at the prepared points.
- Tighten the elements to the ceiling surface.





Step 2 - Mount the Fixture on the Suspension Cables

- Insert the fixture suspension cables into the previously installed ceiling heads.
- Feed the cables in until the initial suspension height is achieved.
- Check that the cables are properly locked.



Note:
It is recommended to set all suspension cables to equal length before hanging the fixture.

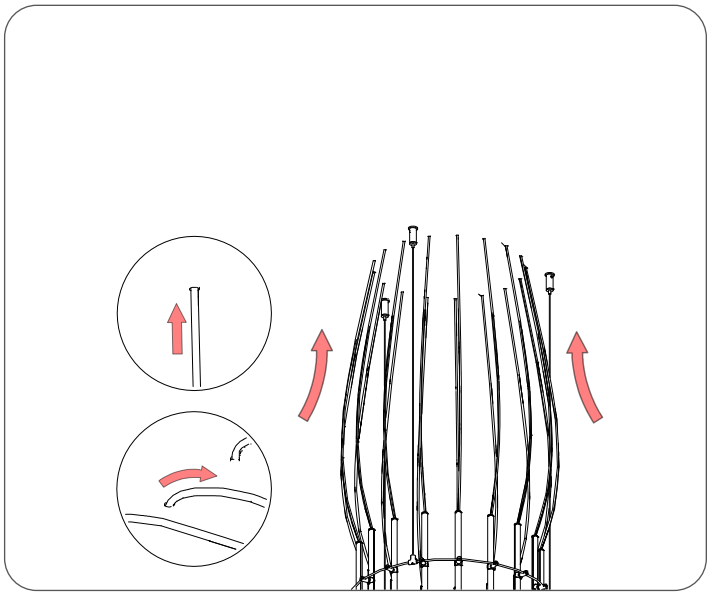
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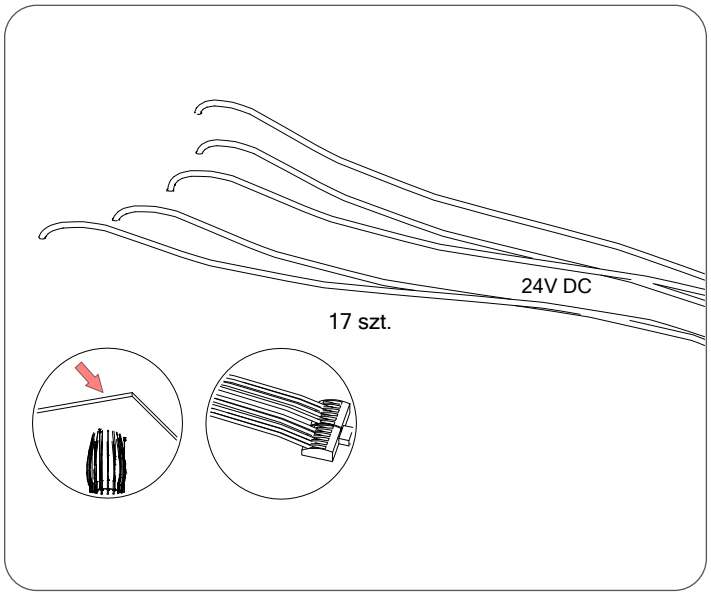
Routing Fixture Cables

- The fixture supply wires should be led to the power supply installation point or directly to the previously prepared power connection point.

Step 1 - Route the Fixture Cables

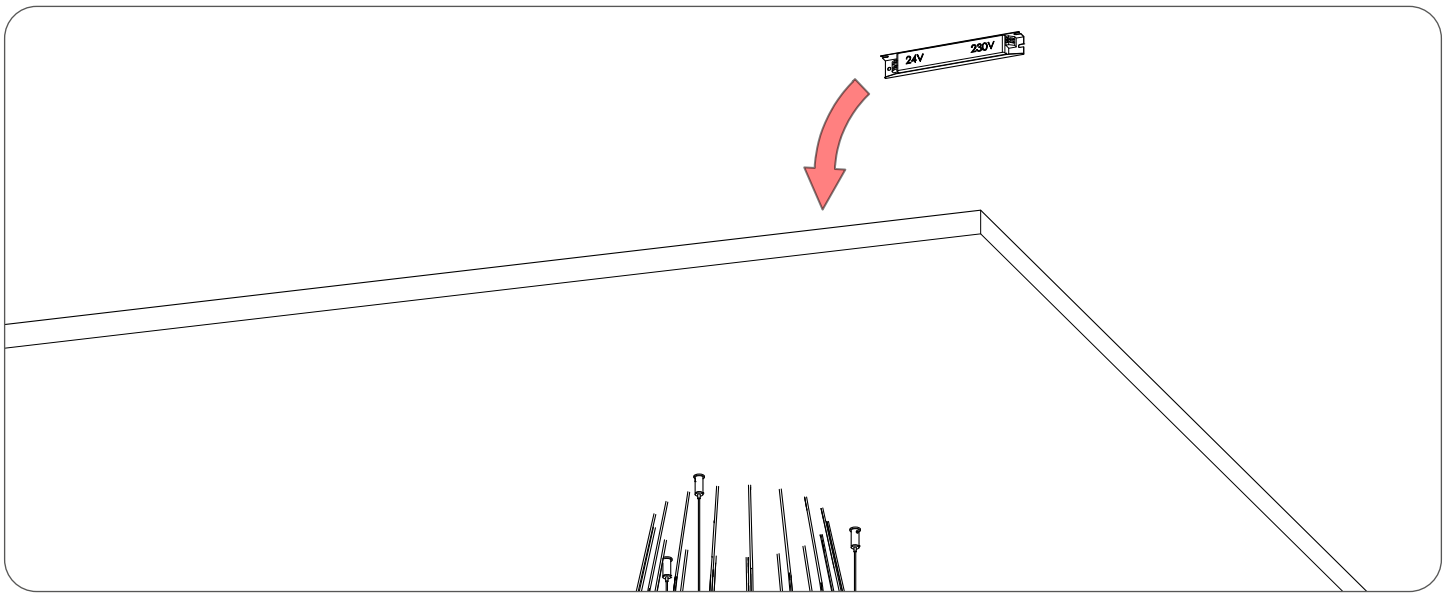
- Route the fixture wires through the prepared mounting holes.
- Lead the wires into the installation space above the ceiling.
- Prepare the wires for electrical connections.





Step 2 – Install the power supply

- Place the power supply in the space above the suspended ceiling.
- Arrange the wires without bends or tension.
- Prepare the power supply for electrical connections.



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Electrical Connection

- Power supply 220–240V AC 50/60Hz.

RULES

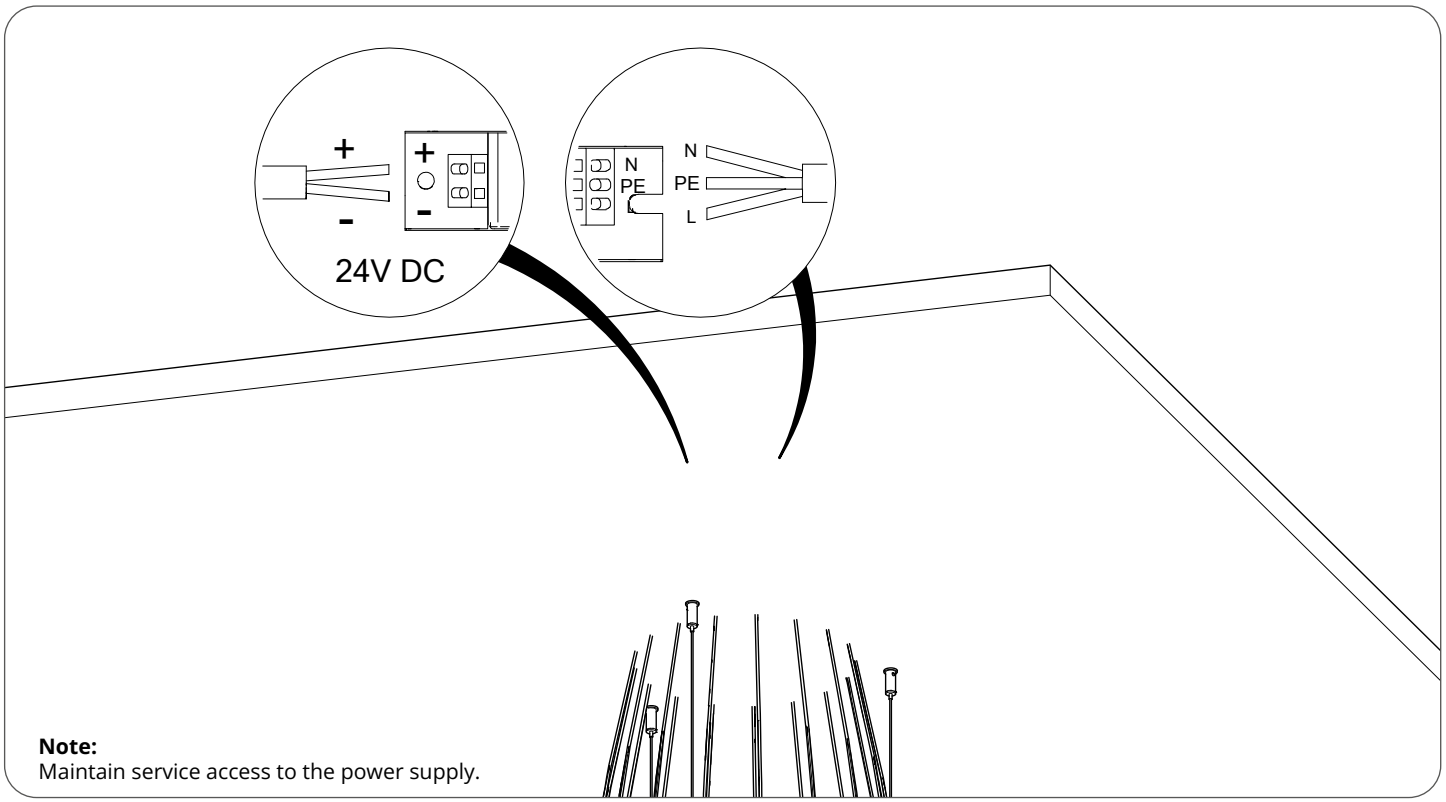
- Power Supply: 220–240 V AC, 50/60 Hz.
- Fixture Output: 24V DC
- Connect only with power disconnected.
- After connection, make sure the cable is secured and not under tension.

WIRE MARKINGS

- L – Line
- N – Neutral
- PE – Protective Earth (Ground)
- DA+ / DA- – Control (if applicable)

Step 1 - Make the Electrical Connection

- Connect L, N and PE to the appropriate terminals.
- If the fixture includes control, also connect the control wires to the appropriate connectors.
- Check the correctness and reliability of the connections and arrange the wires inside the ceiling.



Note:
Maintain service access to the power supply.

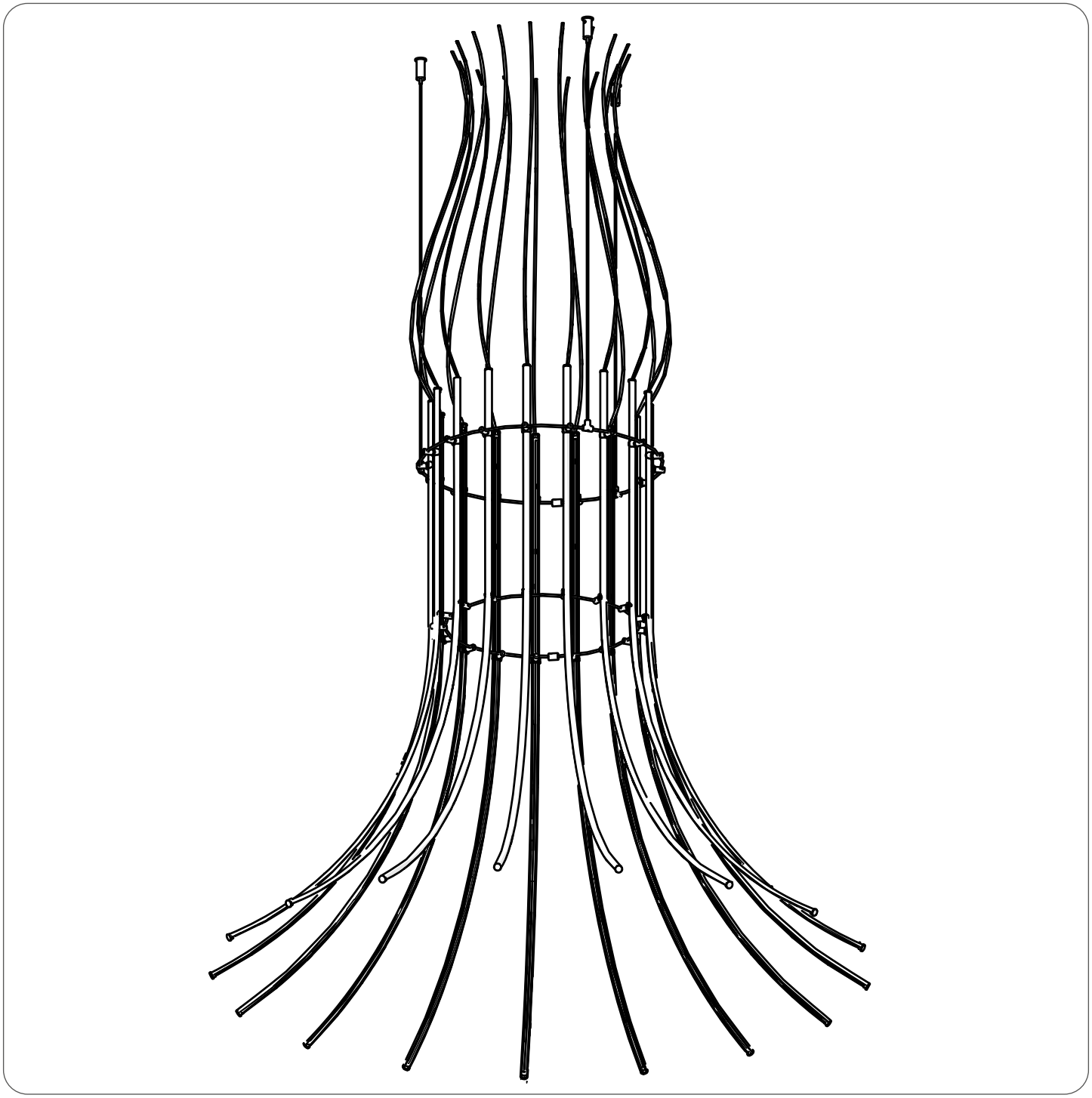
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Final Leveling and Functional Check

- After installation, perform the final adjustment of the fixture, check the stability of the mounting, and verify correct operation of the luminaire.

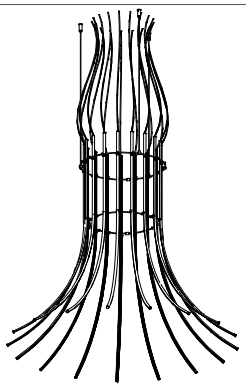
Step 1 - Level the Fixture

- Level the fixture by adjusting the suspension cable lengths.
- Check the stability of all fixing points and suspension elements.
- Switch on the power and perform a lighting test.



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Maintenance, disposal, disassembly, EU compliance



CLEANING:

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

DISPOSAL

- Do not dispose of the product with household waste..
- Dispose of at an authorized electrical and electronic equipment recycling facility.

COMPLIANCE

- The product complies with applicable EU directives and standards (PN-EN 60598-1).

*** FIXTURE DISASSEMBLY**

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

WARNING!

BEFORE STARTING DISASSEMBLY, DISCONNECT THE 220-240V AC 50/60Hz POWER SUPPLY.
DURING REMOVAL, SECURE THE LUMINAIRE TO PREVENT IT FROM FALLING.

- Switch off the power and make sure no voltage is present in the circuit.
- Disconnect the power wires and control wires, if present.
- Release the suspension cable adjustment mechanisms.
- Carefully remove the fixture from the mounting elements.
- Remove the mounting elements from the ceiling, if required.

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

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