TUBE-1

Installation and User Manual

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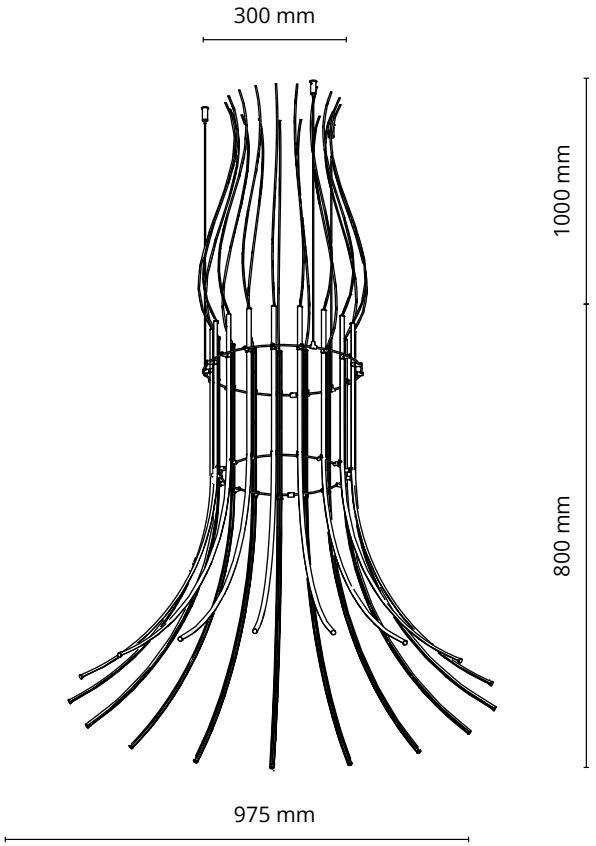
Fully assembled luminaire

Installation: suspended

CE • LVD • EMC • RoHS

120V / 277V AC

DIMENSIONS:

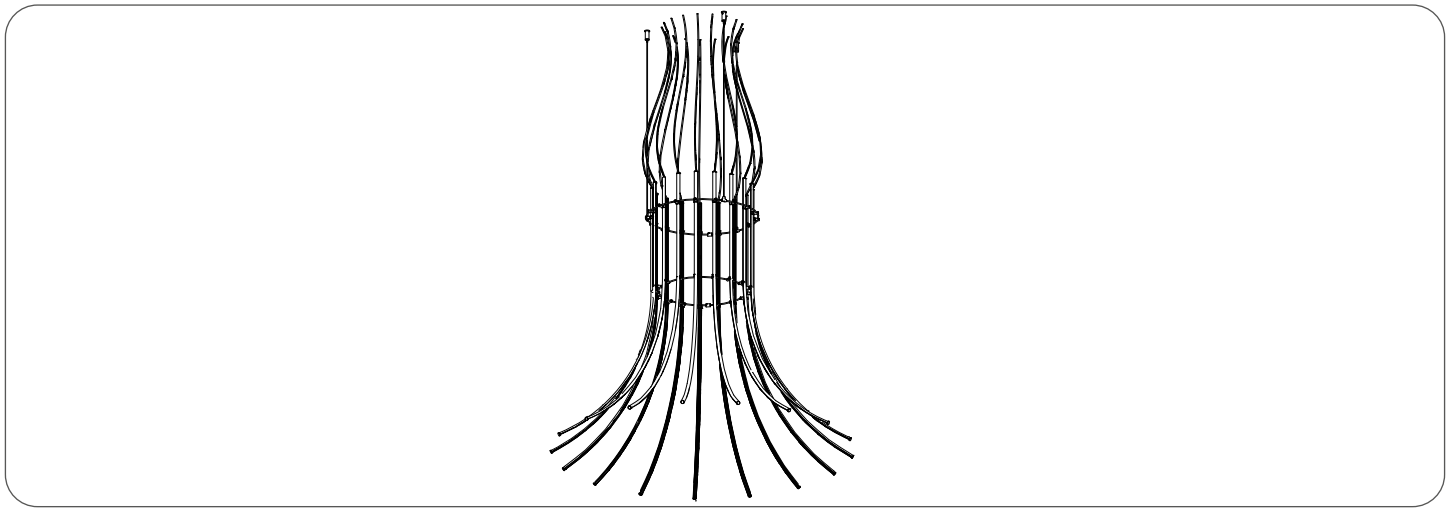


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TUBE-1

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
- Bubble level
- Screwdriver

SAFETY

- Turn-off 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.

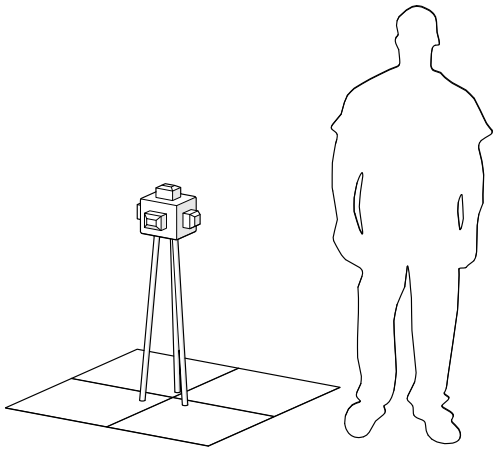
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Installation – Site Preparation

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

Step 1 - Mark the Mounting Points

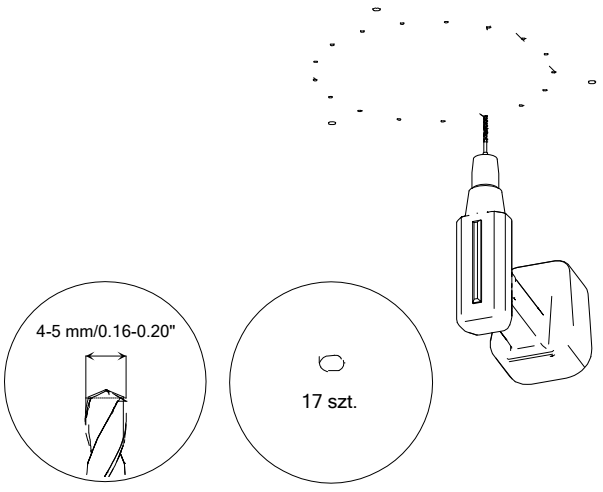
- Determine the final position of the fixture.
- Mark the exit points of the power wires for all light points.
- Separately mark the mounting points for the fixture mounting heads.



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.



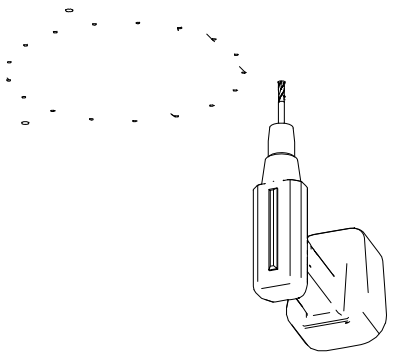
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Installing ceiling suspensions and hanging the fixture

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

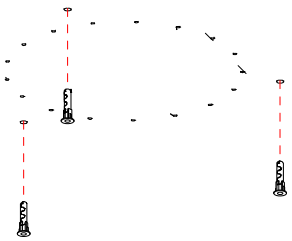
Step 1 - Drill Holes for the Heads

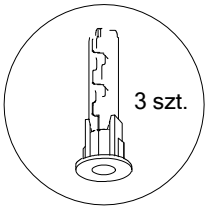
- Drill holes in the marked positions for the mounting heads.
- Adjust the hole diameter to the type of fasteners used.
- Remove installation dust before continuing.



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.





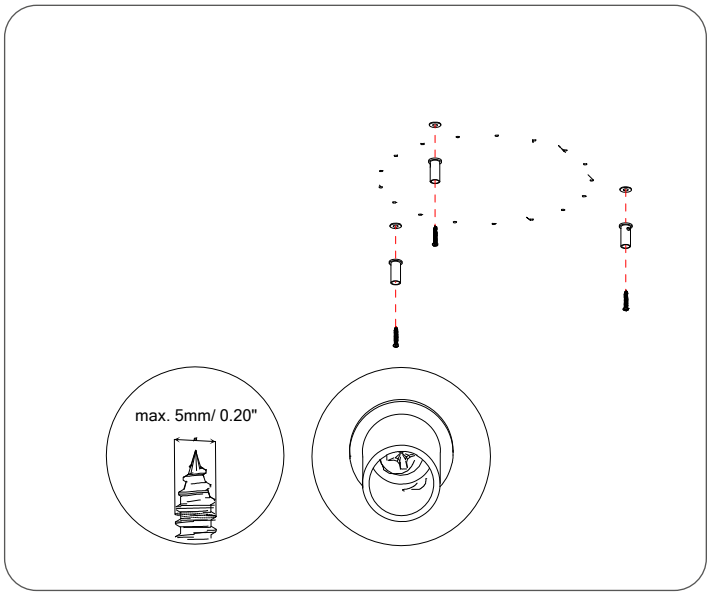
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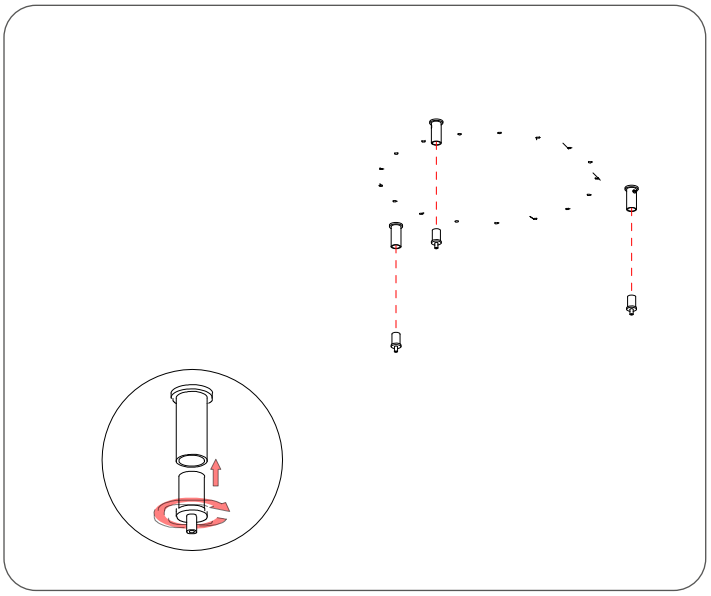
Installing ceiling suspensions and hanging the fixture

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

Step 1 - Install Suspension Elements

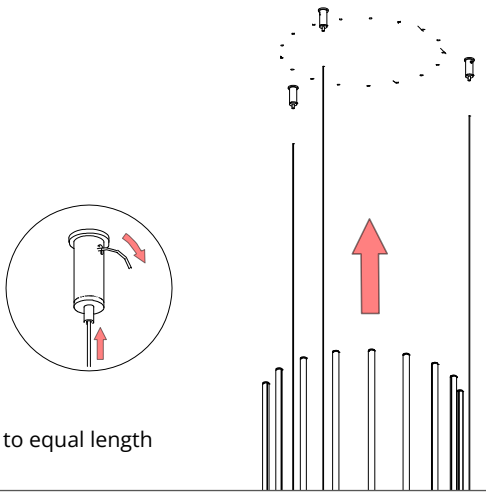
- Install the suspension elements at the prepared points.
- Tighten the elements to the ceiling surface.





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.

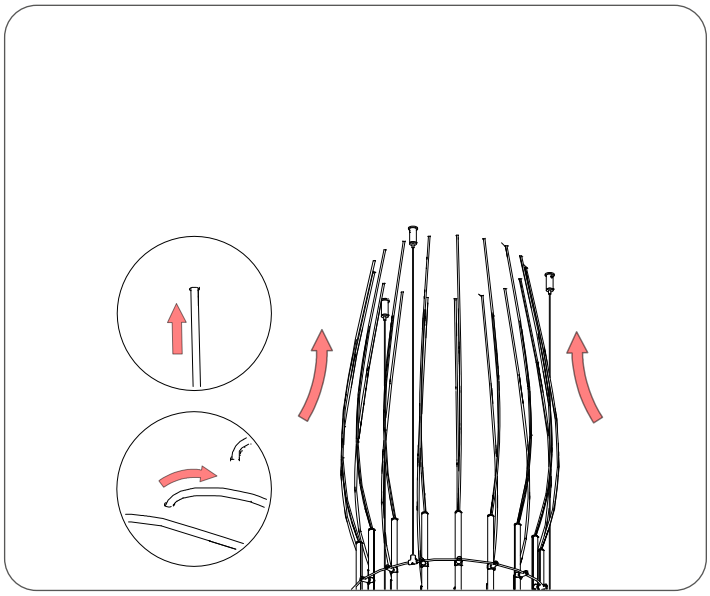
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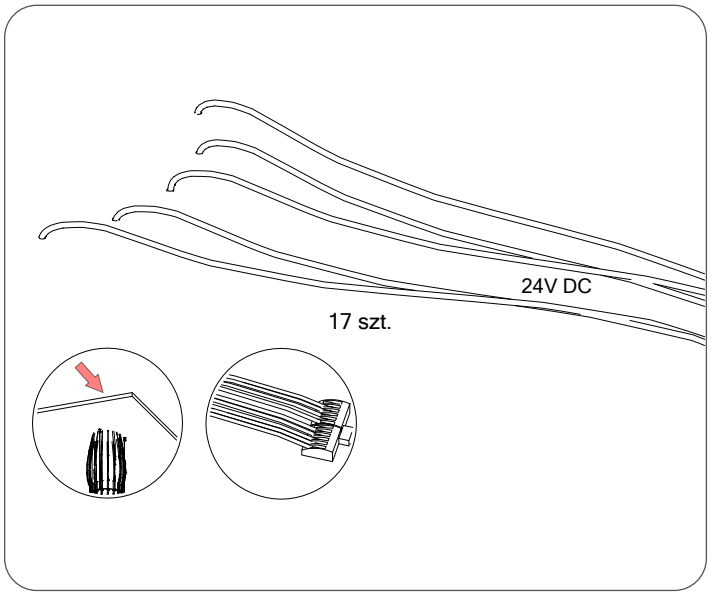
Routing Fixture Cables

- 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.





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Electrical connection

- The luminaire operates on 24V DC supplied by an external (remote) driver.
- Mains voltage 120V / 277V AC, 50/60Hz must be connected to the remote driver only.
- Only the 24V DC output from the remote driver is connected to the luminaire.

RECOMMENDATIONS

- Ensure the mains supply is connected to the remote driver.
- Connect only the 24V DC output to the luminaire.
- Switch off the power supply before installation or maintenance.
- Ensure all connections are secure and cables are not under tension.

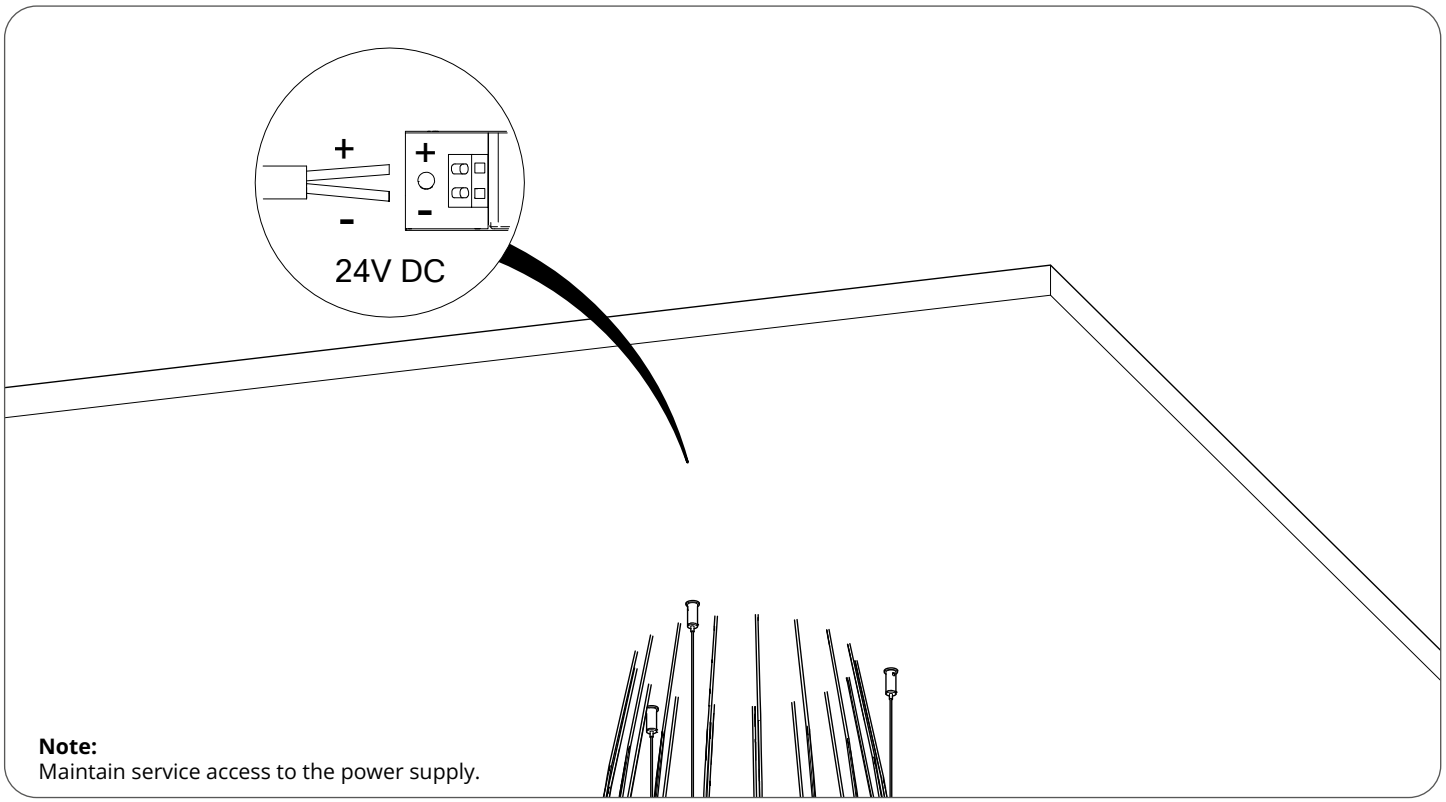
WIRING DIAGRAM

- The luminaire is supplied with a factory-prepared cable terminated with a 2-pin terminal block.
- 24V (+) – Positive (DC+)
- 0V (-) – Negative (Blue wire)
- Connect the 24V DC output from the remote driver to the corresponding terminals of the 2-pin connector.

  * Observe correct polarity. Incorrect connection may damage the luminaire.

Step 1 – Connect the Wires to the Terminal Block

- Connect the 24V DC output from the remote driver to the supplied 2-pin terminal block.
- Match the polarity correctly: 24V (+) to positive(brown or red), 0V (-) (blue or black wire) to negative.
- Ensure all connections are secure and no conductors are exposed.
- Make sure the cable is not under tension after connection.
- Remove any excess cable slack to prevent strain on the terminals.



Note:
Maintain service access to the power supply.

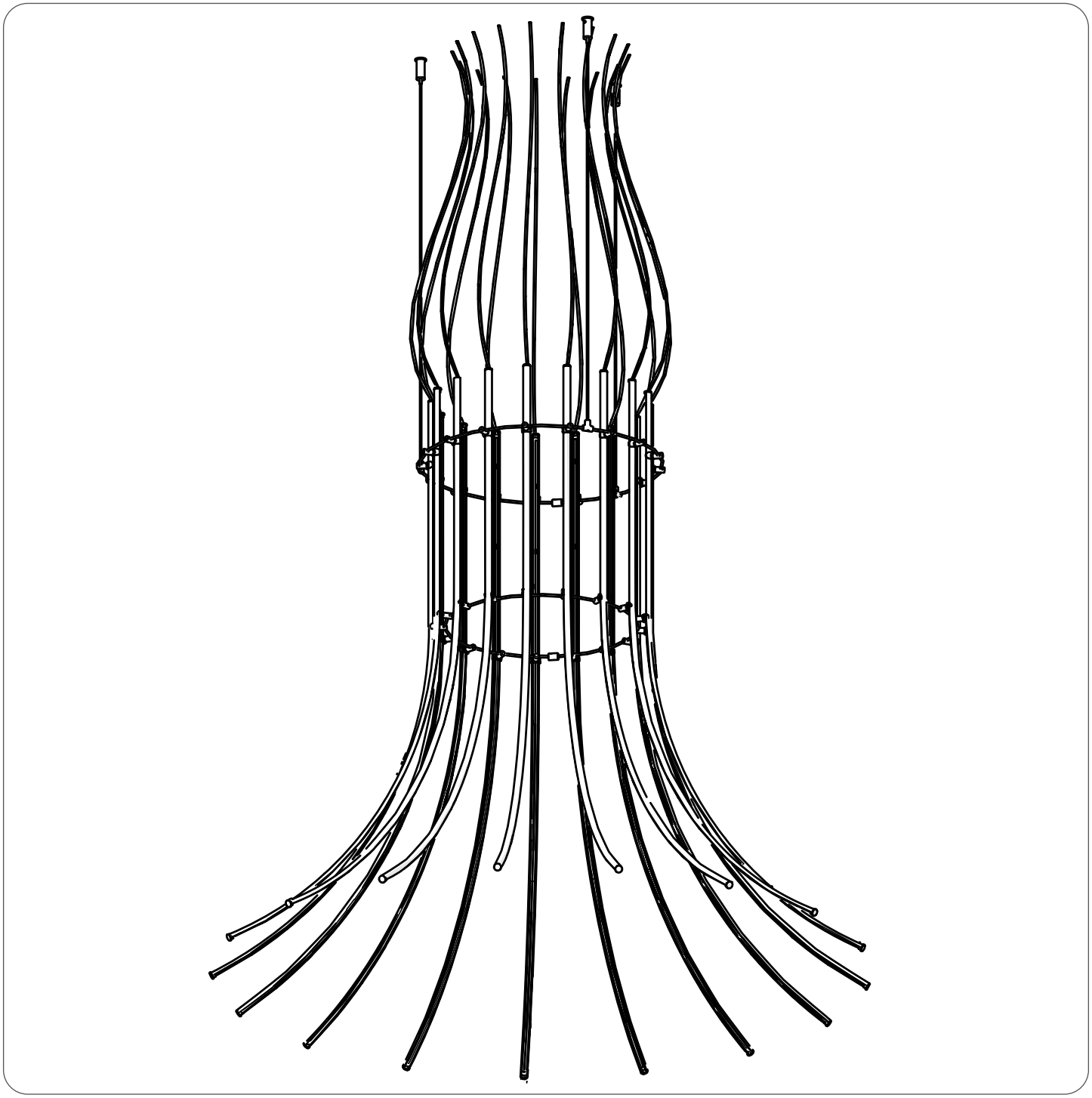
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Final Leveling and Functional Check

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

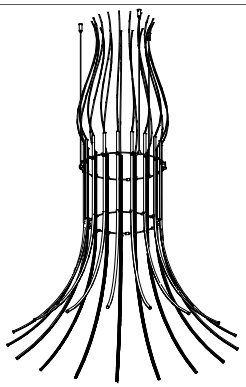
Step 1 - Level the Fixture

- 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, dismantling, USA 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 the luminaire at an authorized electrical and electronic equipment recycling facility in accordance with local regulations.

COMPLIANCE

- The product complies with applicable EU directives and standards (PN-EN 60598-1).
- For the USA market, the product must be installed in accordance with the National Electrical Code (NEC)
- and local regulations

*** LUMINAIRE DISASSEMBLY**

Disassembly must be performed in reverse order of installation.
All operations must be carried out with the power supply switched off.

WARNING!

BEFORE STARTING DISASSEMBLY, TURN-OFF THE MAINS POWER SUPPLY (120V / 277V AC) TO THE REMOTE DRIVER. ENSURE THE LUMINAIRE IS PROPERLY SUPPORTED DURING REMOVAL TO PREVENT IT FROM FALLING.

- Switch off the power and verify that no voltage is present in the circuit.
- Turn-off the 24V DC supply from the 2-pin terminal block.
- Support the luminaire and release it from the suspension system.
- Loosen the adjustment mechanism and remove the suspension cables, if applicable.
- Remove the ceiling mounting hardware (screws, anchors), if required.

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

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