RAM-V-1

Installation and Operating Instructions

Fully assembled luminaire

Installation: suspended

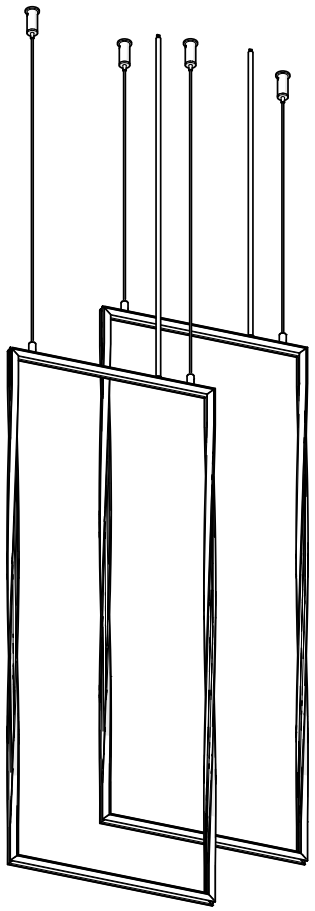
CE • LVD • EMC • RoHS

24V

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DIMENSIONS:

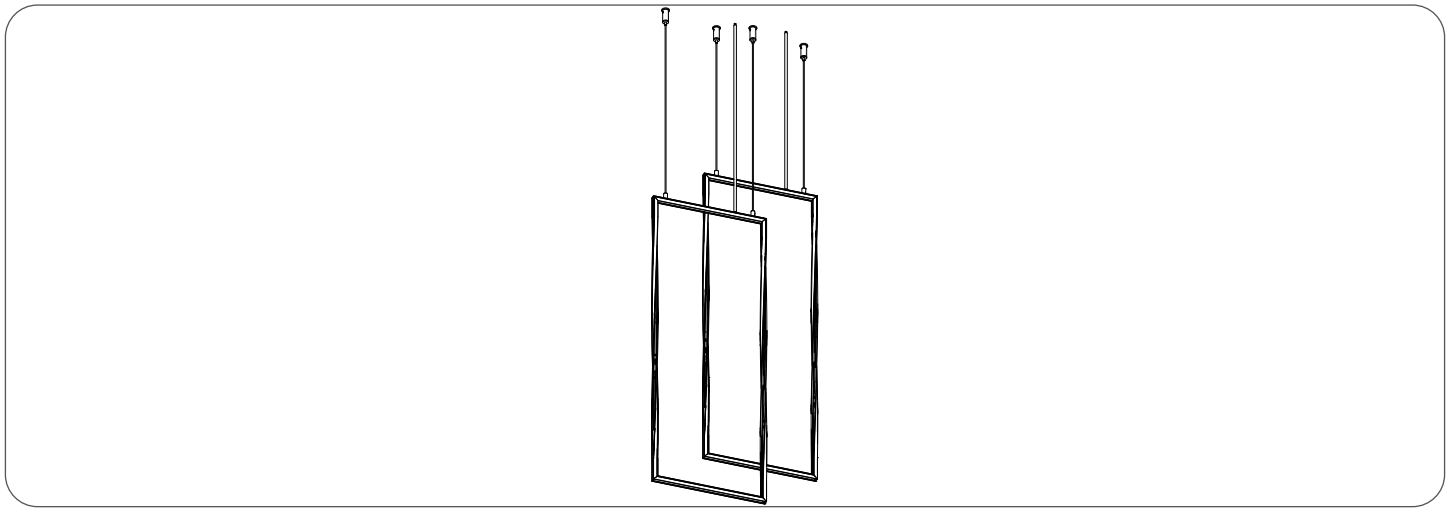


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Author: Arnold Warchoł

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3755 9th St. Southwest
Vero Beach, FL 32968
www.KlusDesign.com

RAM-V-1

is a ready-made lighting fixture intended for suspended installation.
The fixture is powered by 24 V DC from an appropriately selected power supply.
The manual describes mechanical installation, suspension adjustment, and low-voltage connection.



THE SET INCLUDES:

- RAM-V-1 fixture (ready-made)
- Suspension elements / mounting accessories (according to configuration)
- Manual

SET DOES NOT INCLUDE

- Screws and wall plugs selected for the substrate (not always included)
- Control elements (if present in the fixture version)

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 elements.
- Do not use the product if it is damaged.

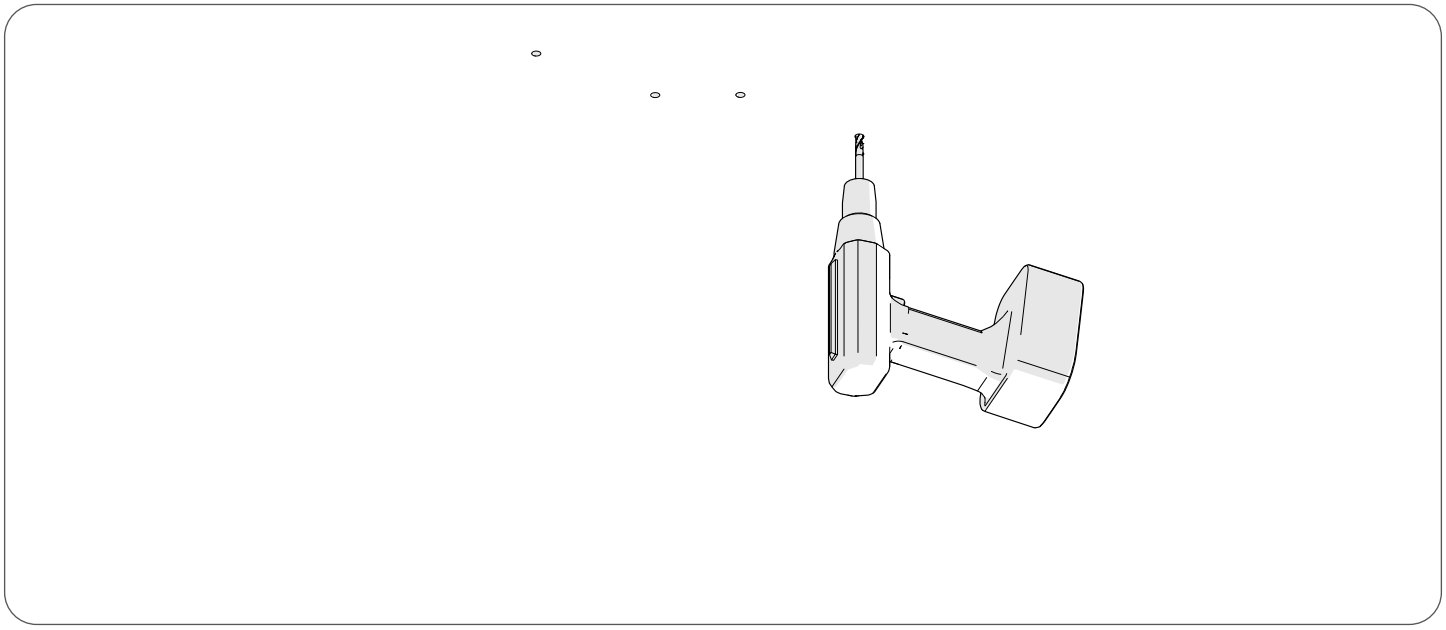
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Installation – site preparation

- Determining points, drilling

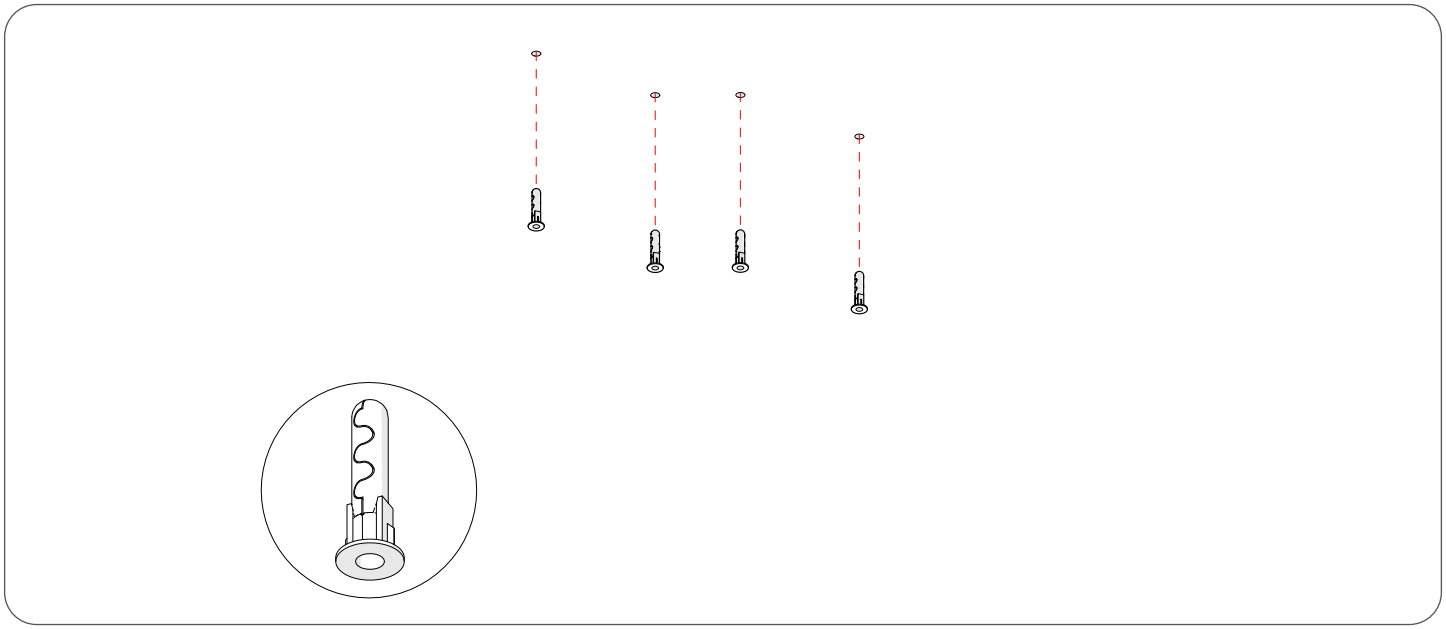
Step 1 - Determine mounting points

- Determine fixing points according to the design.
- Check the load capacity of the ceiling and select fixings for the substrate.



Step 2 - Drill holes and attach mounting elements

- Use plugs and screws suitable for: concrete / brick / plasterboard / wood.



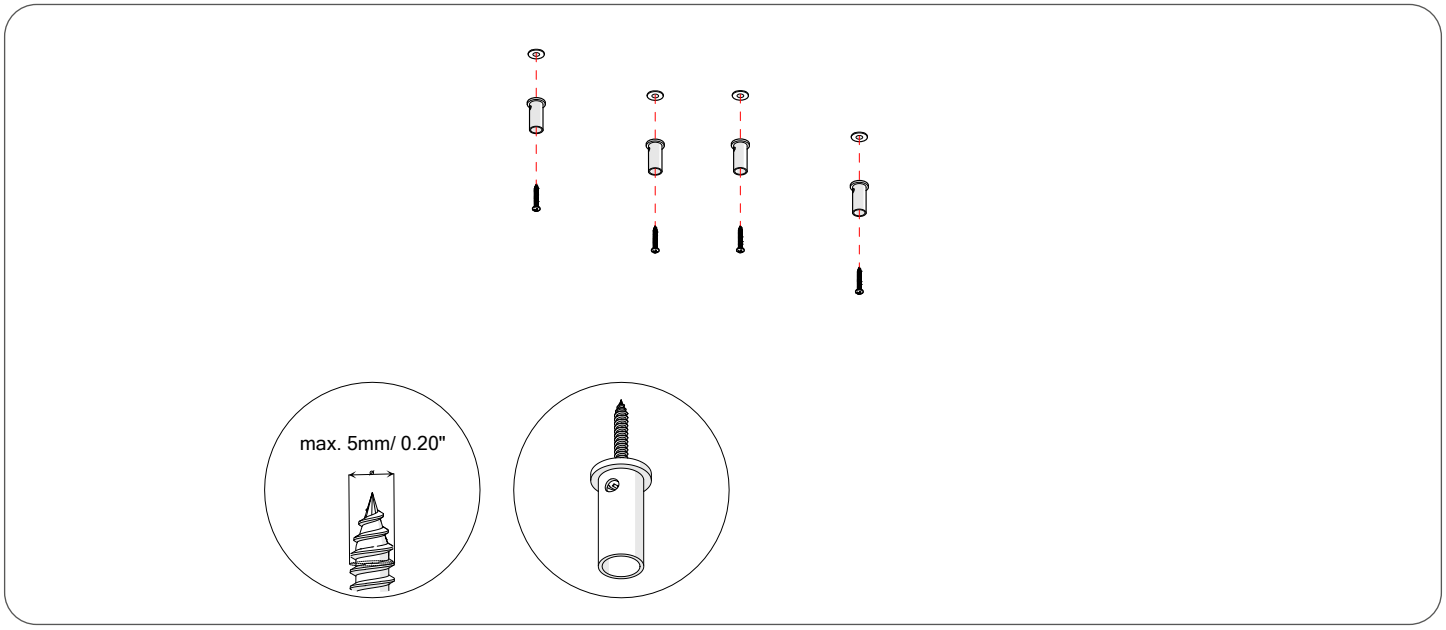
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Installation of ceiling elements

- Cable routing, suspension adjustment, fixture preparation.

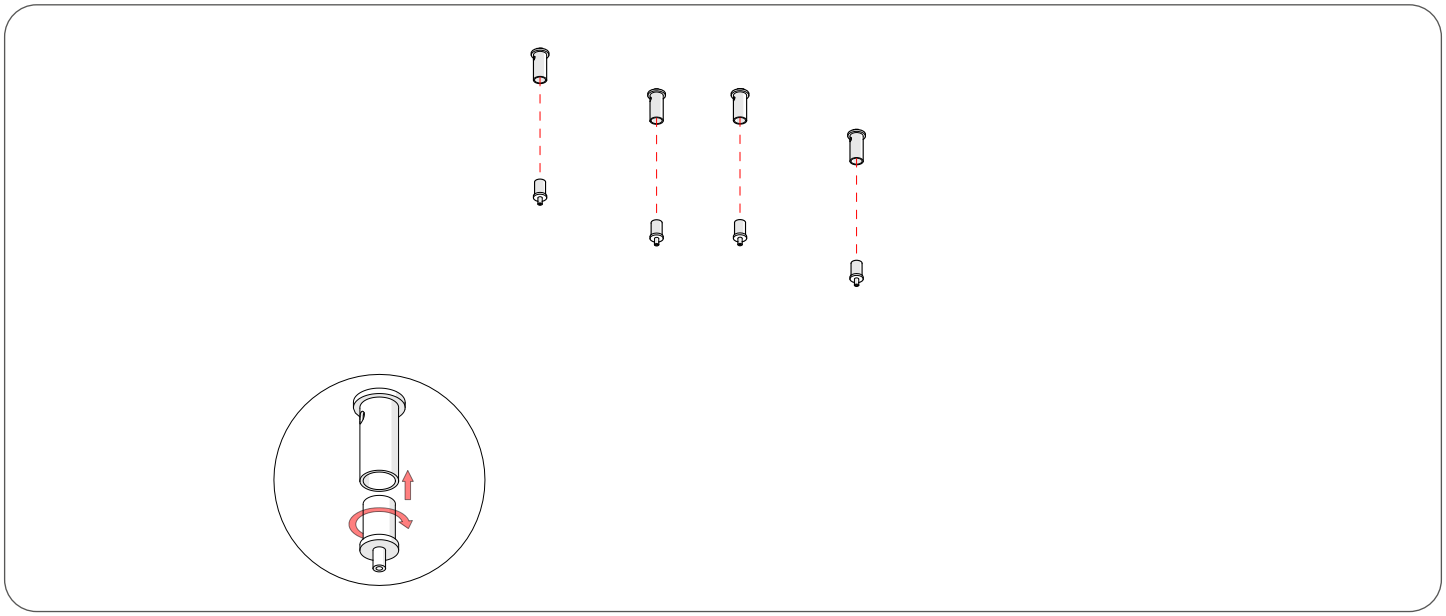
Step 1 - Install the suspensions

- Screw in the suspension elements according to the drawing.
- Do not overtighten to avoid damaging the substrate.



Step 2 - Assemble the suspension

- Tighten the suspension elements according to the drawing.
- Pass the steel cables through the suspension mechanism.
- Make sure the cables are properly seated and secured.



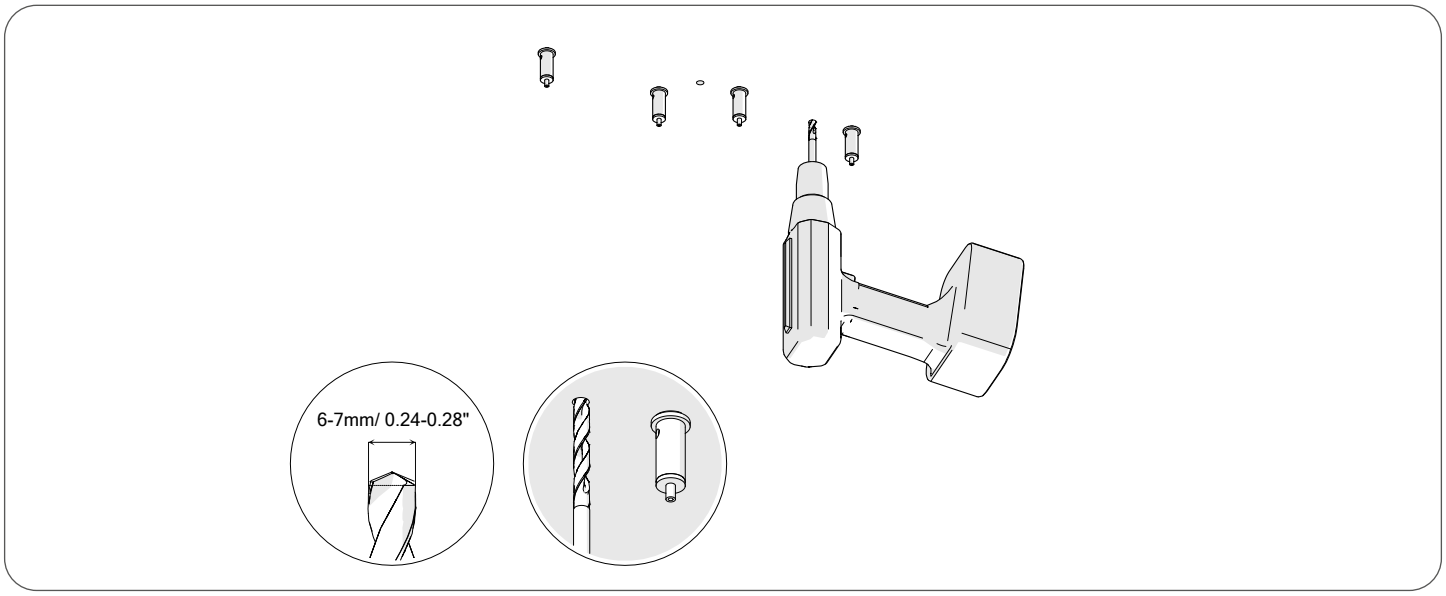
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Preparation of the power supply point and steel cables

- Installation of fasteners and securing cables

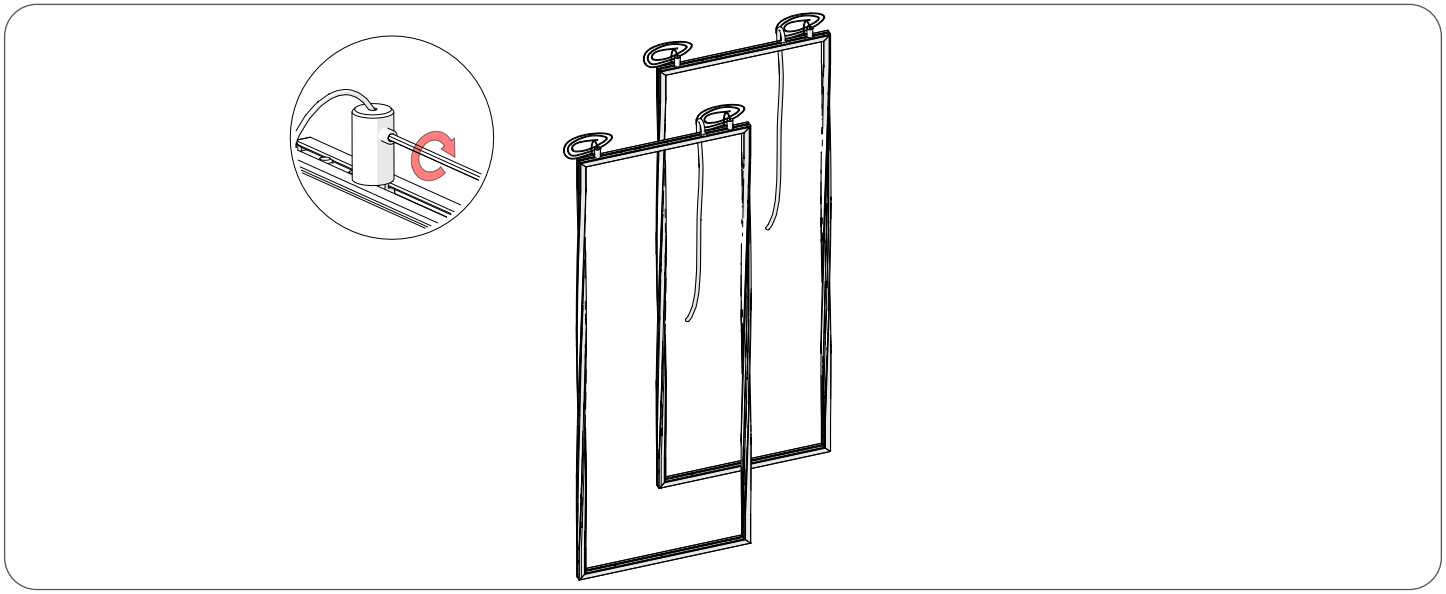
Step 1 - Prepare the place for the power cable.

- Prepare holes for power cables with a diameter of Ø6-7 mm at the designated location.
- Remove sharp edges to prevent damage to cable insulation.



Step 2 - Attach cables to the fasteners at the fixture

- Insert each cable into the fastener located on the fixture.
- Set the correct positioning and tighten the set screw with an Allen key.
- Repeat the action for four cables. Length of each cable: 2 m.



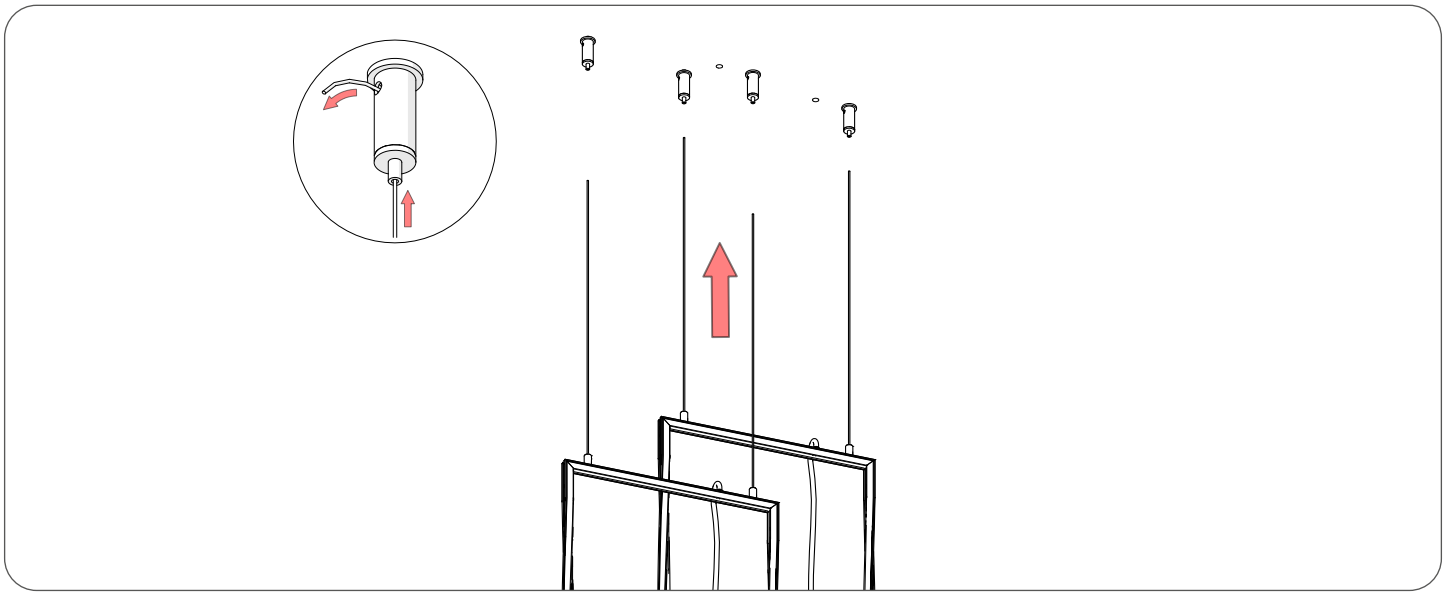
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Suspension and leveling of the fixture

- Seating cables in ceiling suspensions and preparing the 24 V cable.

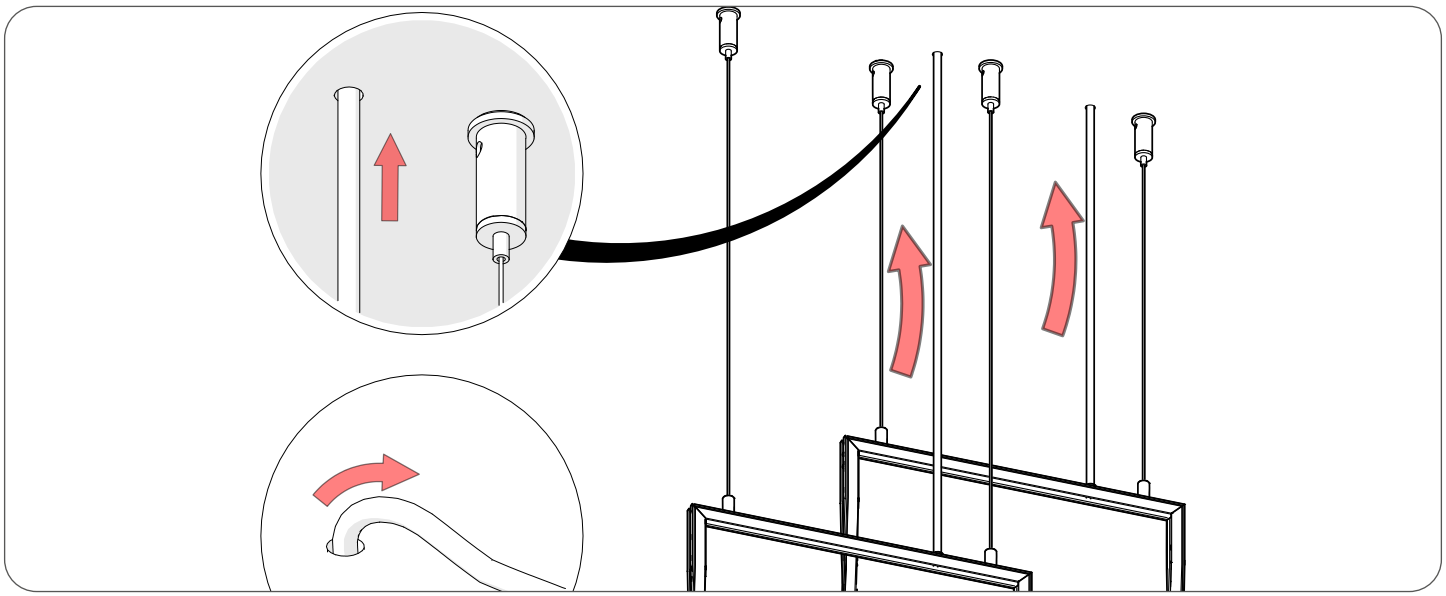
Step 1 - Hang the fixture

- Secure the fixture against falling and lift it to the target height.
- Insert the free ends of the cables into the ceiling elements.



Step 2 - Adjust height and route the cable

- By adjusting the length of the cables, level the fixture and check suspension stability.
- Route the 24 V DC cable to the power supply mounting location.
- The cable must not be strained or carry the weight of the fixture.



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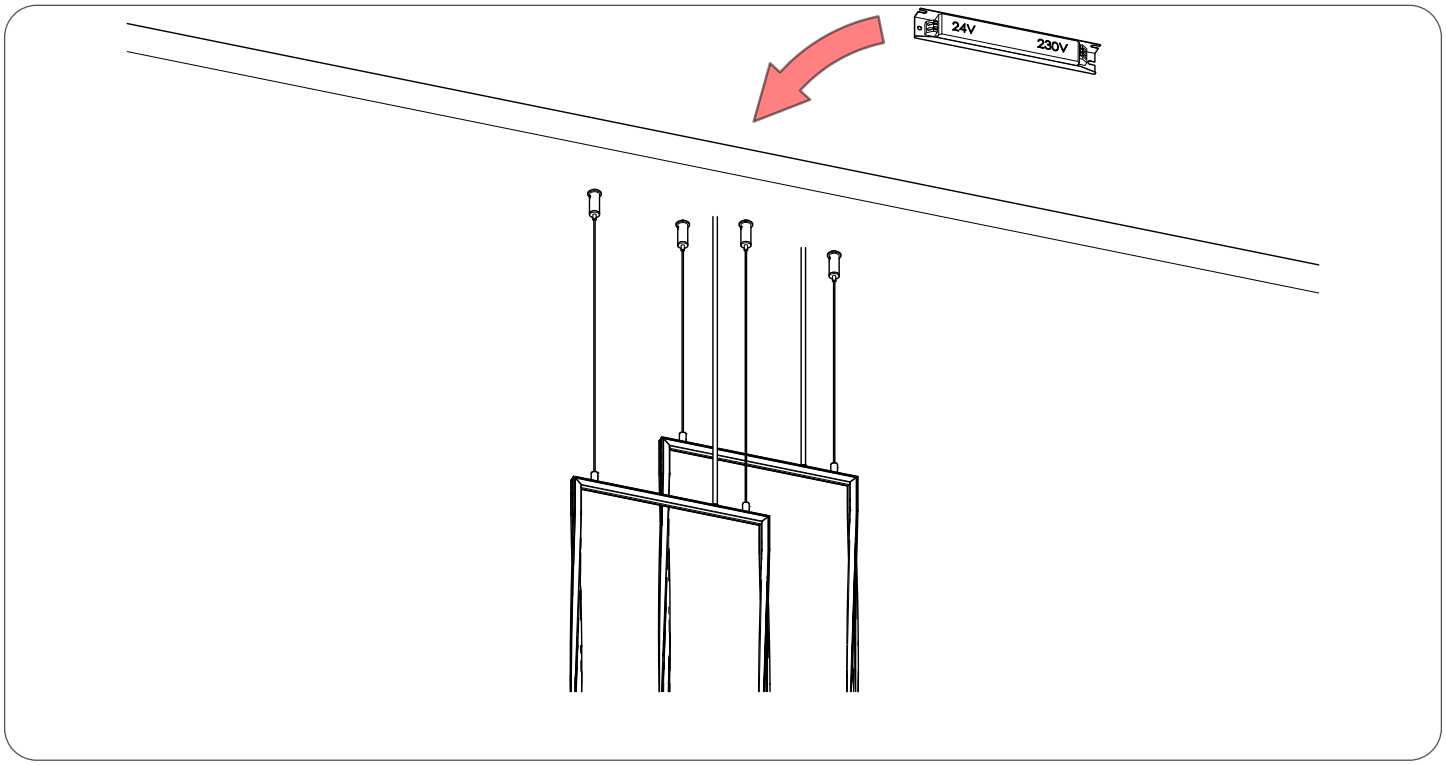
Installation of 24 V DC power supply

- Select a 230 V AC / 24 V DC power supply according to power and version

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Step 1 - Mount and connect the power supply

- Place the power supply in the technical space above the ceiling or in an appropriate enclosure.
- Connect the mains side according to the power supply markings and applicable regulations.
- Route 24 V DC cables to the fixture; do not turn on the power supply yet.



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RAM-V-1

24 V DC connection and BOX-M600 installation

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.

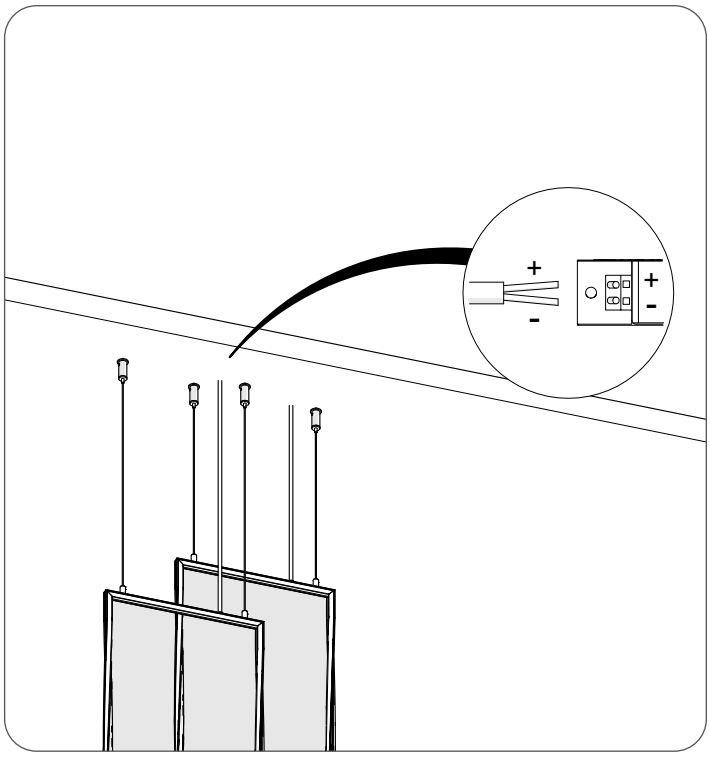
WIRING DIAGRAM

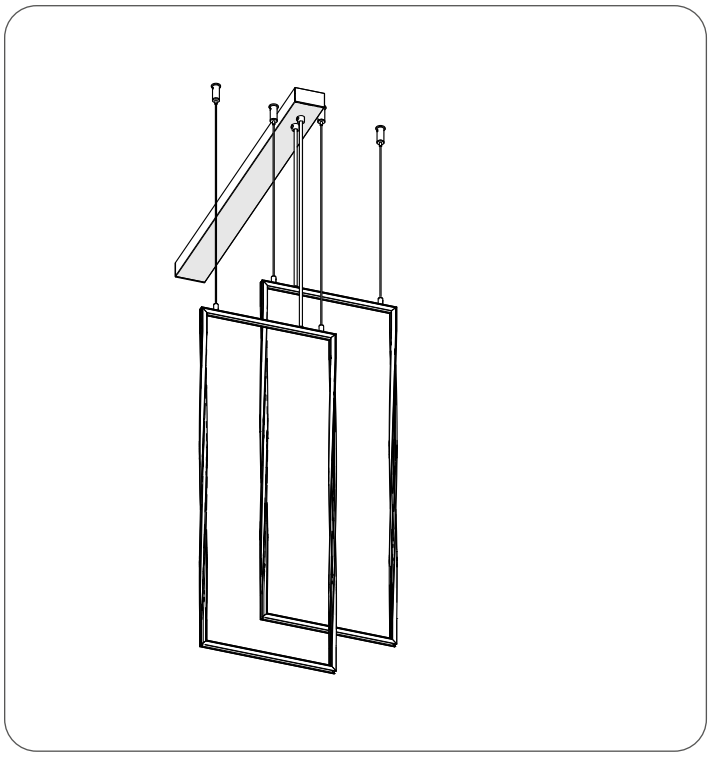
- The luminaire is supplied with a factory-prepared cable terminated with a 2-pin terminal block.
- 24V (+) – Positive (DC+)
- 0V (-) – Negative (Blue wire)
- Connect the 24V DC output from the remote driver to the corresponding terminals of the 2-pin connector.

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

Step 1 – Connect the Wires to the Terminal Block

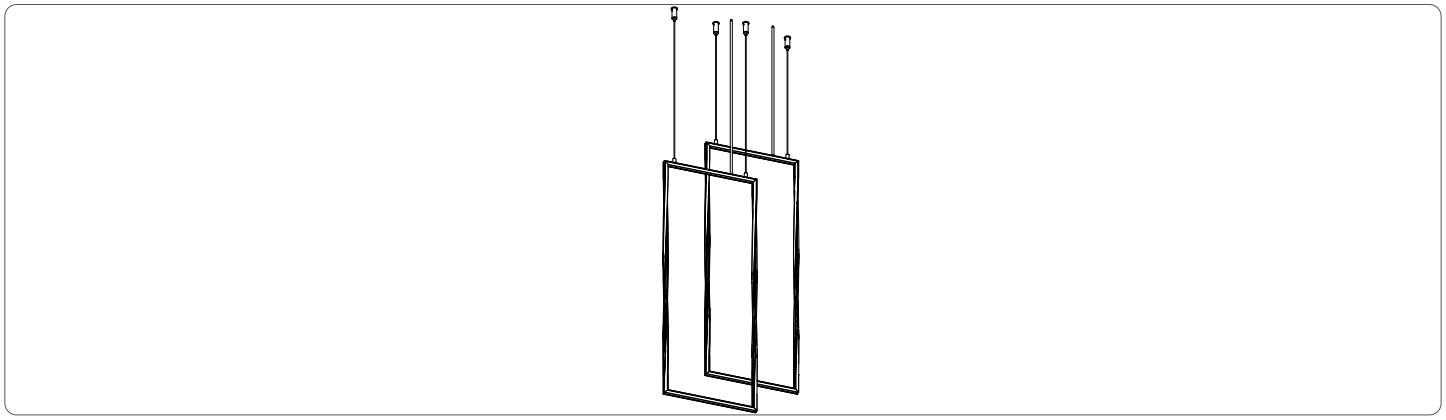
- Connect the 24V DC output from the remote driver to the supplied 2-pin terminal block.
- Match the polarity correctly: 24V (+) to positive(brown or red), 0V (-) (blue or black wire) to negative.
- Ensure all connections are secure and no conductors are exposed.
- Make sure the cable is not under tension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





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Maintenance, disposal, USA compliance



CLEANING:

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

DISPOSAL

- Do not dispose of with municipal waste.
- Hand over to an electrical and electronic equipment collection point.

COMPLIANCE

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

*** DISASSEMBLY OF THE FIXTURE**

Perform disassembly in the reverse order of assembly.
Carry out all activities with the power supply disconnected.

ATTENTION !

Before starting disassembly, strictly disconnect the 220-240V AC 50/60Hz power supply.
When removing the fixture, secure it against falling.

- Disconnect 24 V DC cables from the fixture.
- Support the fixture and loosen the fastener set screws.
- Slide the cables out of the fixture or ceiling elements, constantly controlling the weight of the fixture.
- Disassemble the suspensions and ceiling fixings if required.
- Entrust disconnecting the power supply on the 230 V AC side to a qualified person.
- Secure remaining cables in accordance with applicable regulations.

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

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