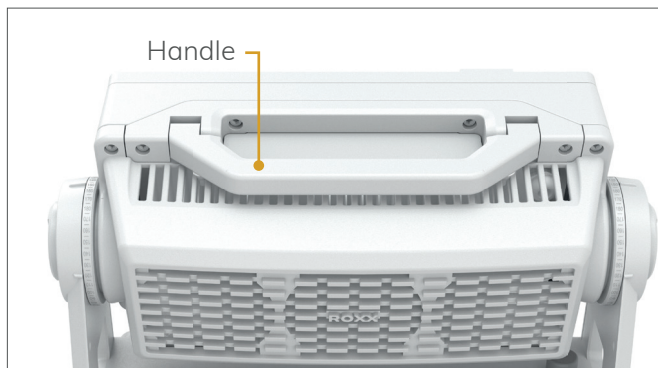


INSTALLATION & SETUP

Physical Installation and Rigging

ROXX NEOi mini may be installed in any orientation. For this purpose the product provides several options:



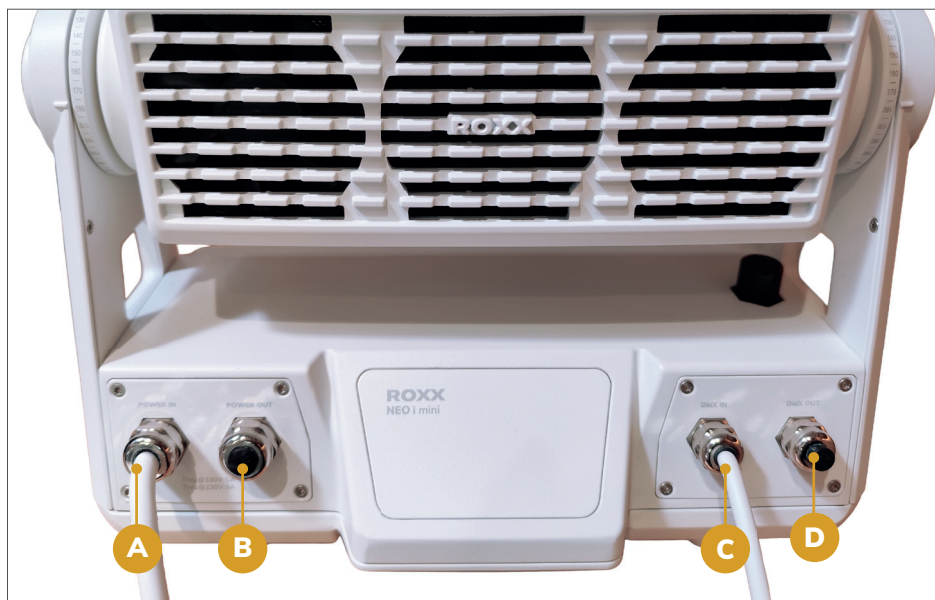
Standing:

The fixture is equipped with 4 rubber feet. It allows the luminaire to be used in floor application. With its integrated rubber feet it's designed to ensure a secure stand on every plane surface with 220° tilt movement of the fixtures head.

Hanging:

On the bottom 2x M10 stainless steel threads are pre-installed. Here it's possible to screw in the ROXX Omega Bracket STi (optional accessory) equipped with any suitable clamp.

Connections*



A: IP66 Power IN connectors with 3m power cord (white), open ends and cable ferrules

Connect using the provided power cable (when not in use, always close with rubber sealing cap)

B: IP66 Power OUT connectors with rubber sealing cap.

Connect using the provided power cable (when not in use, always close with rubber sealing cap)

C: IP66 PG9 for DMX I/O, 3m cable (white)

D: IP66 PG9 for DMX Out with rubber sealing cap

AC Power

The NEOi mini operates on any 100–260 V, 50/60 Hz AC mains power supply with a maximum power consumption of 688W @ 230V. Connect the fixture to AC power using the supplied cable or a similar one to ensure the correct ingress protection (IP).

For temporary installations, the mains cable must be fitted with a grounded connector intended for exterior use. The fixture must be grounded/earthed and be able to be isolated from AC power. The AC power supply must incorporate a fuse or circuit breaker for fault protection.

Wire Color (EU models)	Wire Color (US models)	Conductor	Symbol
Brown	Black	Live	L
Blue	White	Neutral	N
Yellow / Green	Green	Ground (earth)	⊕ or ⊥



Warning!

Read "Safety Informations" starting on page 3 before connecting the fixtures to AC mains power!

Do not connect the fixture to an electrical dimmer system, as doing so may cause damage that is not covered by the product warranty!

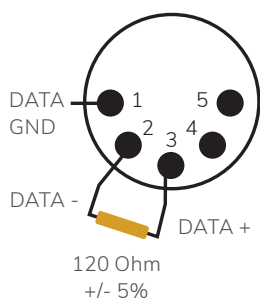
DMX Connection

The NEOi mini is fully controllable by DMX (USITT DMX512-A standard, based on RS-485) and RDM. It can be connected using either DMX cables or via the built-in LumenRadio CRMX wireless system if installed (optional).

DMX Cable Connection

Use shielded twisted pair cable designed for RS-485 devices. The cables are daisy chained between the fixtures, and up to 32 fixtures can be connected to the same DMX link. Up to 300 meters (1000ft.) of cable is achievable with high quality DMX cables. All DMX links must be terminated in the last fixture. Standard microphone cable is not suitable for transmitting DMX.

DMX Termination on last fixture DMX out



Wiring guide

Wire	Color	Conductor
	Black	Ground
	White	DMX IN: Data –
	Red	DMX IN: Data +
	Blue	DMX OUT: Data –
	Green	DMX OUT: Data +

Wireless Connection*

NEOi mini can be optional equipped with a LumenRadio™ Transceiver module.

This enables the fixture to work with the following connectivity options:

- ⌚ Working in Receiver Mode: receive wireless DMX- and RDM Signals via CRMX
- ⌚ Working in Transmitter Mode: transmit DMX (1 universe) to other units via CRMX
- ⌚ Full Control via Bluetooth 5.0 and ROXX App

The Fixture is able to send DMX-data received by CRMX or Bluetooth to its physical DMX-Output and hereafter to any DMX-capable unit. For this please enable "Pass to DMX Out" inside Wireless DMX Settings.

NEOi mini can act as a fully operative CRMX Receiver and be paired to an active wireless transmitter (CRMX) simultaneously as being connected to a cabled DMX. The device will prioritize cabled DMX input over wireless DMX and over Bluetooth.

If using a wireless DMX system, ensure that the DMX input and the DMX in/output are properly sealed.

ⓘ ***Note: If you are using XLR for DMX and not Bluetooth we recommend to not connect to Bluetooth unless you need to since it can cause a few dropped DMX packets.**

BLE and CRMX RX are not available simultaneously

- If CRMX RX is enabled and BLE will enabled after, CRMX automatically changes to TX mode.
- If CRMX TX operating mode is changed to RX, BLE will be disabled automatically.

NFC (Near Field Communication)

NEOi mini integrates a NFC chip (Near Field Communication) and allows in conjunction with ROXX NFC App to address and configure the fixtures wirelessly even when the fixture power is not prevent. Additionally, the fixtures firmware can be read out and updated to latest version. For this please make sure NEOi mini stays AC powered during update process.

The NFC chip is based on it's lower housing part, close to the CRMX antenna. To get a proper connection between your mobile phone and NEOi mini, please make sure that your phone is very close to the NFC.



NEOi mini | Installation Guide internal filter

NEEDED PARTS AND TOOLS:

- Filterfoil
- Allen / hex tip 3 screwdriver

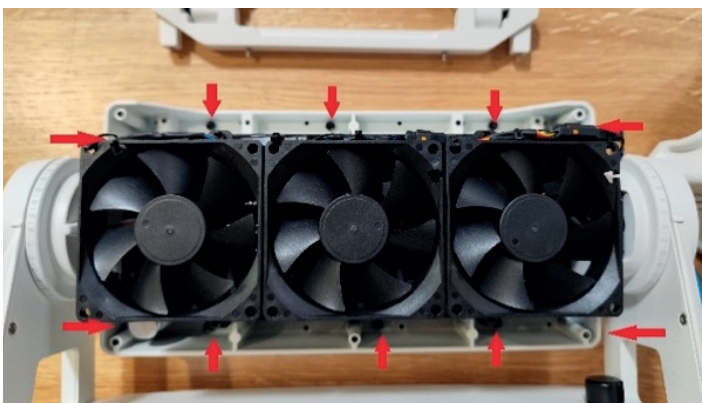
STEP 1

Place the fixture on the front side with the LED board facing towards the desk. Open the 5 Allen screws holding the fan back cover (marked red) and take the cover off. Also open the 4 Allen screws holding the handle (marked green) and take it off.



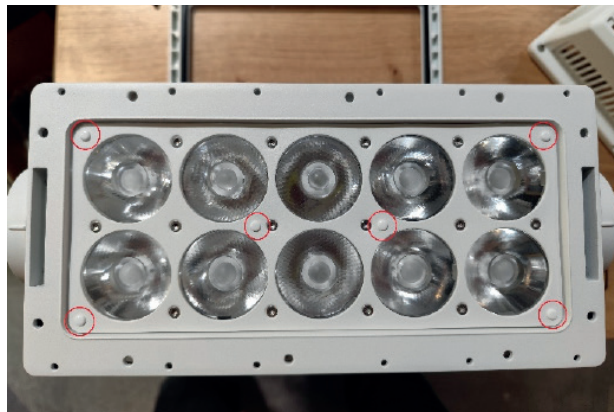
STEP 2

Now there is access to the 10 screws holding the front glass assembly. Open these screws and take them out.



STEP 3

Lift the unit from the front glass assembly and put it on its feet on the desk. Turn the head straight up. Pull out the 6 filter holder pins (marked red).



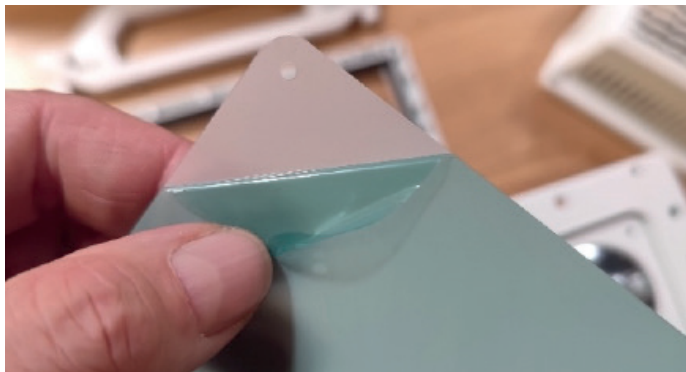
STEP 4

If the complete filter holder assembly comes out, divide it into pin and dowel and push back the dowel into its hole.



STEP 5

Remove the green protection foil from the filter.



STEP 6

Put the filter into the fixture, place it correctly on the lens plate. Ensure that the matt side of the filter is facing towards the LEDs and the glossy side towards the front glass.



STEP 7

Fix the filter by pushing the 6 filter holding pins through the holes into their dowels



STEP 8

Now place the fixtures head back on the front glass assembly. Be sure that the gasket is in its place. Fix the front glass with the 10 Allen screws (Torque 1,4 Nm)



STEP 9

Put back the handle assembly to its place and fix it with the related screws. Do the same with the fan back cover.



NEOi mini | Installation Guide optional CRMX board

NEEDED PARTS AND TOOLS:

- CRMX PCB inkl. screw
- Allen / hex tip 3 screwdriver
- Wire Cutter
- Cutter Knife

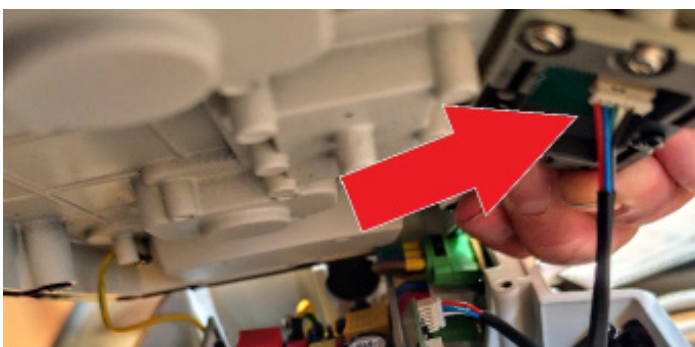
STEP 1

Place the fixture upside down and open the 6 Allen 3 screws at the fixture's bottom.



STEP 2

Take the bottom plate off carefully. Disconnect the NFC cable. Now you can put the bottom plate to the fixture's side. It's not necessary to disconnect the earth wire.



STEP 3

Now locate the gray cable from the preinstalled antenna. You can find it on the right side inside the fixture, bundled with a cable tie.



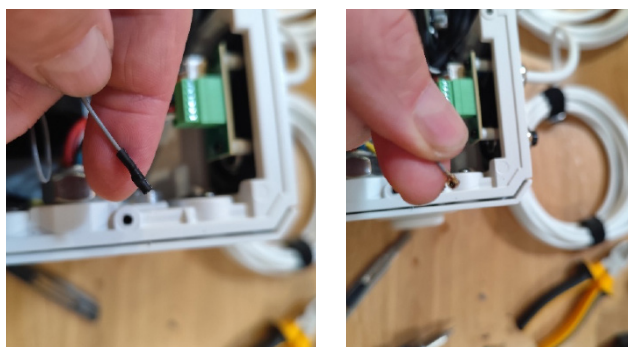
STEP 4

Remove the cable tie carefully with the wire cutter. Don't harm the cable.



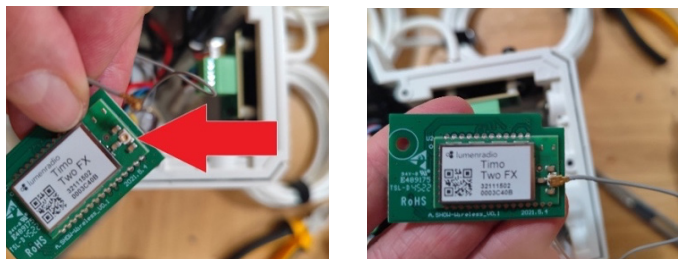
STEP 5

The antenna plug is isolated from factory by shrinking tube. Remove the shrinking tube very carefully with the cutter knife.



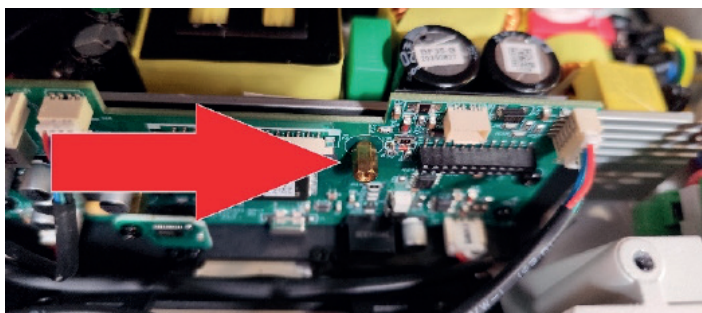
STEP 6

Fix the antenna cable on the CRMX PCB by clicking the antenna plug carefully to the antenna socket on the



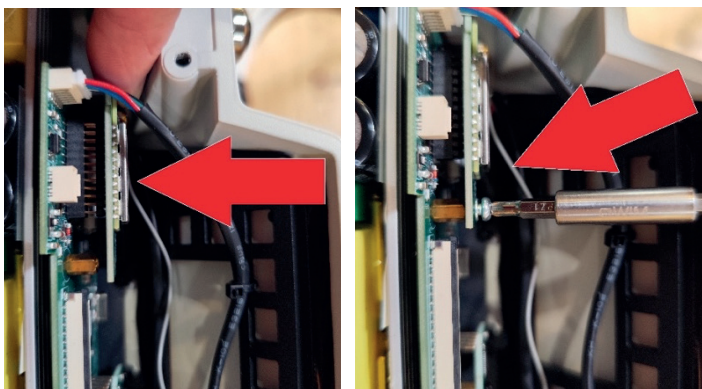
STEP 7

Now locate the socket for the CRMX PCB. It's placed on the main board.



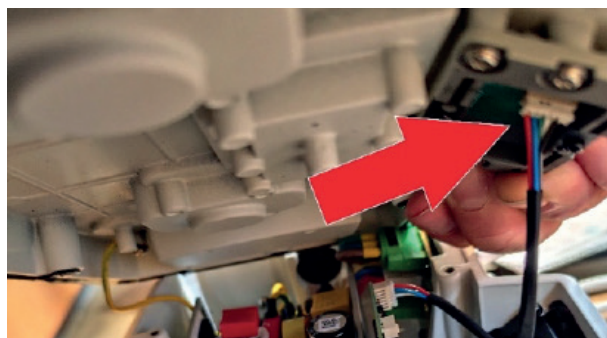
STEP 8

Put the CRMX PCB carefully into its socket. Be sure that all pins of the board are correctly placed into the socket. Secure the PCB with the included screw.



STEP 9

Reconnect the NFC cable to the fixture's bottom plate.



STEP 10

Place the bottom plate carefully back to its place. Check that the gasket is intact and that no cables or other parts are stuck. Fix the 6 Allen 3 screws. (Torque 1,4 Nm)

