

**DELIVERY SINGLE PACK LUMEN SP-LL-... INCLUDES:**

- mounting frame Lumen (LR-L-XXX-X)
- design plate Lumen with LED panel (LL-XX-XX-XX)
- 4x screw for anchoring (countersunk head 3.5x30)
- manual

**MOUNTING FRAME LUMEN:**

LR-L-100-X for ducts 100 with an inner diameter 97–103 mm  
LR-L-125-X for ducts 125 with an inner diameter 122–128 mm

Mounting frame is made by ABS and PETG. The sealing rubber is made of EPDM.  
The ring contains 4 neodymium magnets.  
(the safety data sheet for magnets can be found at <https://luftomet.com/download-1/>)

**DESIGN PLATE LUMEN:**

The product is designed for a basic indoor, clean and dry environment without chemicals, there must be no other large source of magnetism in the area. The recommended ambient temperature is in the range of 10–40 °C, relative humidity 20–80%, supply air temperature 10 °C to +40 °C.

Clean the design plate with a slightly damp, chemical-free cloth.

Store at a temperature of 10 – 40 °C, relative humidity 20–80,% without direct sunlight. In the case of storage in non-original boxes, it is necessary to line the individual plates, preferably with a cork. Otherwise there is a risk of scratches.

Regularly check the strength of the magnets. If you have any doubts about the functionality of the attachment, disassemble the plate and send it to us for inspection.

**LL-P-..... PLASTIC:**

Protect from scratches. Handle the plate with textile gloves, wipe with an antistatic cloth.

**LL-W-..... WOOD:**

Each piece is original and differs in drawing, shape, cracks and annealing, so it may not completely match the depicted pattern. The wood is carefully dried. The appearance of additional cracks and changes in the drawing depends on the environment. Sunlight can cause a change in hue. If used in a humid environment, use a suitable non-defective coating and restore it according to the manufacturer's instructions.

**LL-C-..... CONCRETE:**

Each piece is original, so it may not completely match the depicted pattern. Sunlight can cause a change in hue. If used in a humid environment, use a suitable non-defective coating and restore it according to the manufacturer's instructions. LUFTOMET made of concrete is not intended for vertical mounting (on the wall), consult this installation with us. Let it match the depicted pattern. The wood is carefully dried. The appearance of additional cracks and changes in the drawing depends on the environment. Sunlight can cause a change in hue. If used in a humid environment, use a suitable non-defective coating and restore it according to the manufacturer's instructions.

**LED PANEL**

LED panel characteristics – exchangeable, dimmable, voltage 12V, angle 120°, IP20

LL-XX-XX-C/N/W –C =cold (6500 K)	LL-XX-XX-X-7/10 Luminous flux:	–7W –650 lm
–N =neutral (5000 K)		–10W –900 lm
–W =warm (3000 K)		

Required protection SELV (Safety Extra-Low Voltage) – protection by low voltage against electric shock, product can not have any dangerous voltage on internal or external parts.

As a prevention against overheating of LED module and for increasing its lifetime, it is recommended to keep ventilating through the outlet (min. 15 m<sup>3</sup>/h).

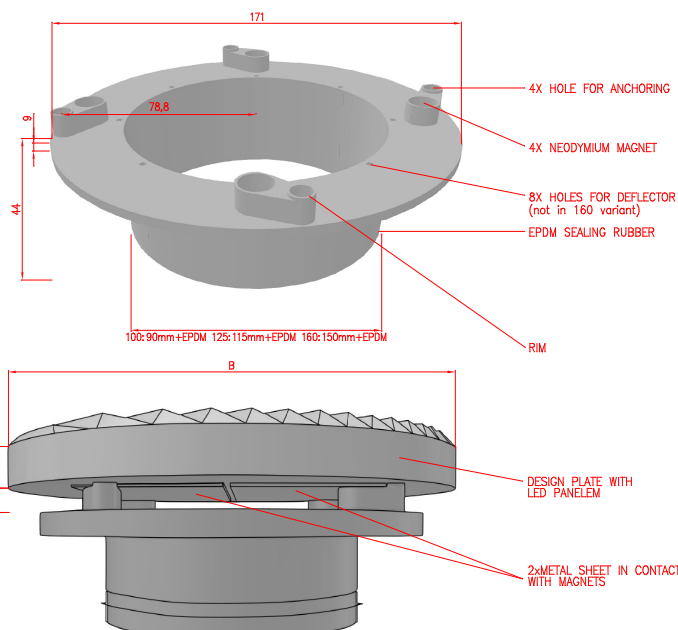
Lights and their accessories are electrotechnical products and the conditions of their installation are governed by the relevant harmonized standards. The evaluation of the possibility of application and the execution of the installation must be carried out by a person with electrical engineering qualifications and valid authorizations. We are not responsible for damage caused by unprofessional installation.

EU Declaration of Conformity – Lumen (CE, ROHS, etc.) + Characteristics of the LED panel – Lumen – download here: <https://luftomet.com/cs/download-cz/>

**LED PANEL REPLACEMENT PROCEDURE:**

LP-LED-C(N/W)– 10 (7)

- 1) Remove the design panel from mounting frame.
  - 2) Remove the 6 screws using a cross-head screwdriver.
  - 3) Lift the metal plates with the LED panel and place them so that the LED panel is on top.
  - 4) Remove the LED panel from the metal plates using a side spanner and a cross-head screwdriver.
  - 5) Replace with a new LED panel so that the indicated line on the LED panel is visible between the plates.
- Next, continue in the reverse order.  
Make sure the metal plates are well seated in the design plate.

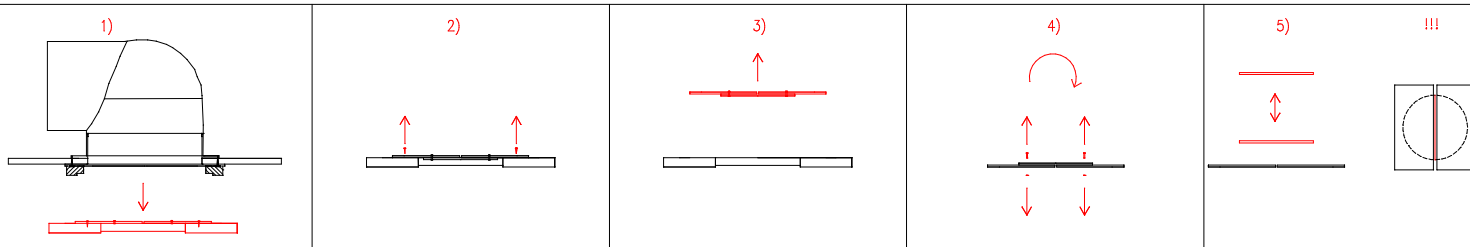
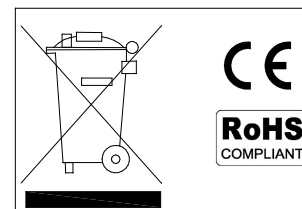
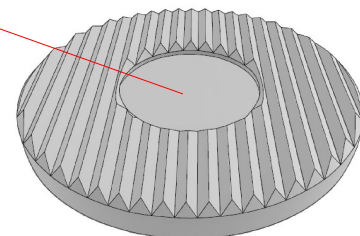


A:  
LL-P-XX-XX PLASTIC: 13 mm  
LL-W-XX-XX WOOD: 20 mm  
LL-C-XX-XX CONCRETE: 5–10 mm (+–2 mm)

B:  
LS-XX-C-XX CIRCLE: D=200 mm  
LS-XX-Q-XX SQUARE: 200x200 mm

L:  
LR-L-100-X L=12 mm  
LR-L-125-X L=12 mm

LED PANEL IS COVERED BY GLASS FROM THE VIEWING SIDE

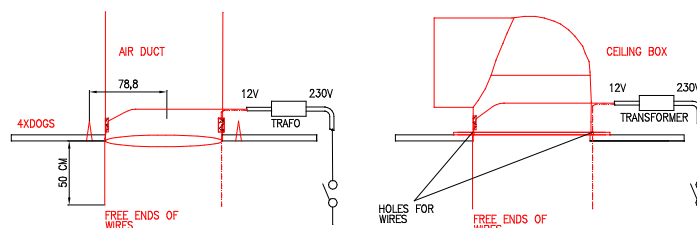


The LED panel must not be disposed of with municipal waste. To properly dispose of the product, please take it to designated collection points where it will be accepted free of charge. Proper disposal of this product helps preserve valuable natural resources and helps prevent potential negative impacts on the environment and human health, which could be consequences of improper waste disposal. For more information, please contact your local authority or nearest collection point.

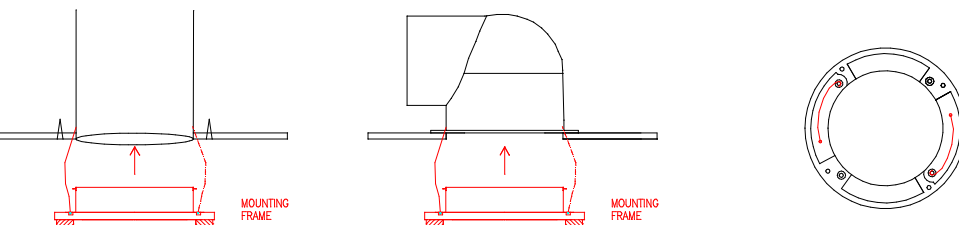
## INSTALLATION PROCEDURE:

1. LUFTOMET LUMEN IS INSTALLED IN A PREPARED AIR DUCT OR CEILING BOX (100/125/160). TERMINATE THE PIPE AT CEILING LEVEL. CAREFULLY CUT THE HOLE FOR THE PIPE TO THE SIZE OF THE PIPE/BOX. IF NECESSARY, PREPARE DOGS (ANCHOR AXIS 78.8MM FROM THE CENTER OF THE HOLE). PREPARE TWO 12V WIRES (DOUBLE LINES) ABOVE THE CEILING BOARD WITH THEIR FREE ENDS PASSING THROUGH THE HOLE ALONG THE PIPE/GROUND OF THE BOX. PREPARE HOLES FOR CABLES IN THE OUTER FLANGE/RIM OF THE BOX. THE WIRES ARE CONNECTED THROUGH A TRANSFORMER TO THE HOUSE LIGHTING SYSTEM – PROVIDED BY THE ELECTRICAL SUPPLIER.

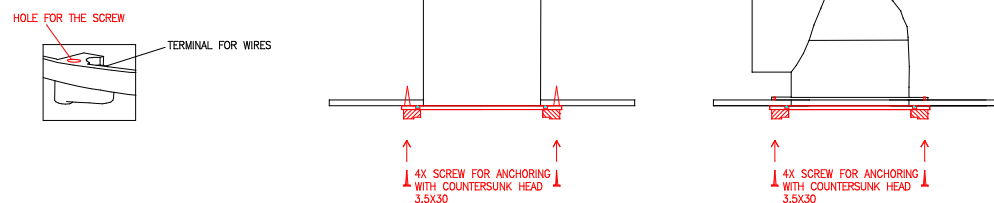
\* PIPE/BOX, DOGS, TRANSFORMER, WIRING AND ADHESIVE TAPE ARE NOT INCLUDED.



2. CONNECT BOTH WIRES TO THE TERMINALS ON THE TOP OF THE MOUNTING FRAME, ORIENTATION DOES NOT MATTER. SLOWLY LIFT THE MOUNTING FRAME WHILE AT THE SAME TIME INSERTING THE FREE WIRES INTO THE CEILING. THE LAST FEW CM OF WIRES HIDE IN THE HOLES ON THE MOUNTING FRAME. INSERT THE MOUNTING FRAME INTO THE PREPARED PIPE/BOX. SUFFICIENT SEALING IS GUARANTEED BY EPDM SEALING RUBBER.

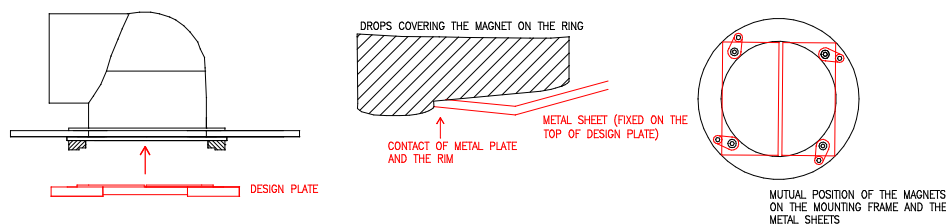


3. THE MOUNTING FRAME IS FIXED TO THE CEILING OR FLANGE OF THE BOX USING FOUR SCREWS THROUGH THE HOLES IN DROPS

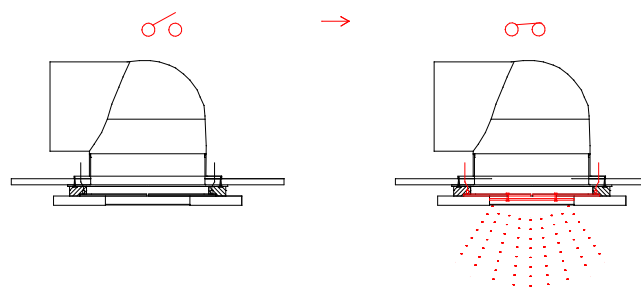


4. THE DESIGN PLATE IS ATTACHED TO THE VIEWING PART OF THE RING SO THAT THE METAL SHEETS ON THE TOP OF THE PLATE ARE PRESSED AGAINST ALL FOUR NEODYMIUM MAGNETS. CORRECT FITTING CAN BE CHECKED BY ROTATING THE PLATE. THE CORRECT POSITION OF THE DESIGN PLATE IS KNOWN:

- 1) BY HEARING A DOUBLE CLICK
- 2) BY VISUAL INSPECTION– THERE IS A RAISED RIM ON THE PLASTIC DROPS COVERING THE MAGNET THAT COVERS THE HOLE FOR THE ANCHOR SCREWS. THIS RAISED PART HAS TO BE OUTSIDE THE METAL PLATES.



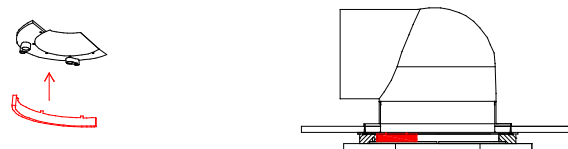
5. CONNECT TO MAINS AND TURN ON (SWITCH). AT THIS MOMENT THE CURRENT IS DIRECTED THROUGH THE TERMINALS AND SCREWS TO THE MAGNETS AND THROUGH THEM TO THE LED PANEL. LUFTOMET LUMEN WILL LIGHT UP.



6. WHEN SERVICING THE DUCT SYSTEM, CLEANING OR REPLACING THE DESIGN PLATE, HANDLE JUST THE DESIGN PART ONLY.



7. IF YOU NEED TO REGULATE THE AIR FLOW OR DIRECT THE AIR FLOW, INSERT A DEFLECTOR/DEFLECTORS (NOT INCLUDED) BETWEEN THE DESIGN PLATE AND THE RING



\* THE DEFLECTOR IS NOT INCLUDED, IT IS AN ACCESSORY (CODE: LP-D-XX-XX)