



## LUFTOMET Lumen- Single Pack code: SP-LL-XX-XX-XX-XX-XX

### Description:

LUFTOMET air diffusers are designed with both functionality and aesthetics in mind. They are not only a great addition to any modern home, but also play an important role in improving indoor air quality. Made from high-quality materials such as wood, concrete, plexiglass each LUFTOMET is unique. All material versions have the same functionality. LUFTOMET Lumen not only brings in fresh air or exhausts stale air, but also provides lighting. This dual function helps optimize space and eliminates the need for additional light fixtures. Lumen is especially designed for small air flow typical for residential ventilation systems with heat recovery. Lumen can be installed only into the ceilings.

Thanks to the innovative Magnetic Force System, assembling and maintaining the product is a breeze. It's so effortless that you can even replace one product with another without any hassle.

### Delivery Includes:

- single box (LP-B-1)
- mounting frame Lumen (LR-L-XXX)
- design plate Lumen (LL-XX-XX-XX)
- 4x screw for anchoring (countersunk head 3.5x30)
- manual

### Mounting Frame Lumen:

LR-L-100-W/B for ducts 100 with an inner diameter 97-103 mm

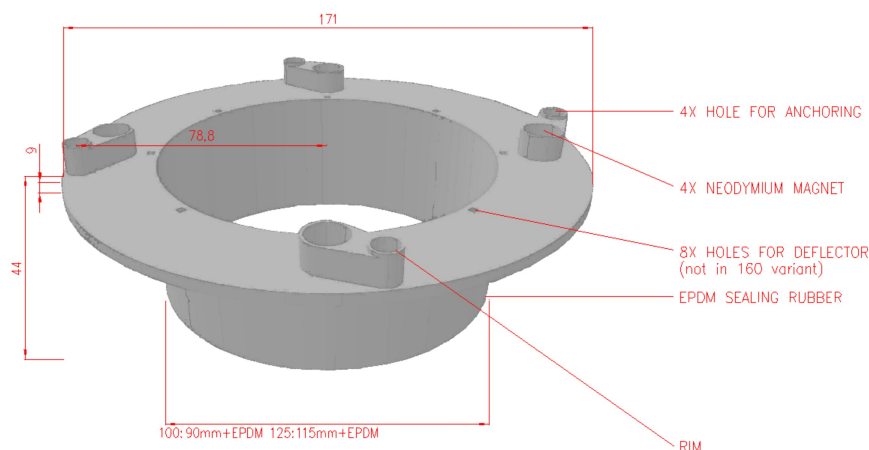
LR-L-125-W/B for ducts 125 with an inner diameter 122-128 mm

W/B.....white or black

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/>)

### Dimensions:



### Design Plate Lumen:

Design panel include the LED PANEL, which is exchangeable, dimmable, voltage 12V, angle 120°, IP20. 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 m3/h).

### Codes:

LL-W-Q/C-XX-Y-Z = Wood

LL-P-Q/C-XX-Y-Z = Plexiglass

LS-C-Q/C-XX = Concrete

Q/C..... Square or circle

XX.....Type or color

Y..... Light color temperature:

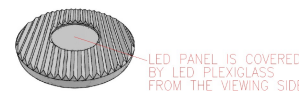
W.....warm (3 000 K)

N.....neutral (5 000 K)

C.....cold (6 500 K)

Z.....Input power: 7W.....Luminous flux=650 lm

10W.....Luminous flux=900 lm



Code Example: LL-W-C-BS-W-7 = LUFTOMET Lumen- Wood- Beech Smooth- Warm 7W

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-XX-XX PLASTIC: Protect from scratches. Handle the plate with textile gloves, wipe with an antistatic cloth.

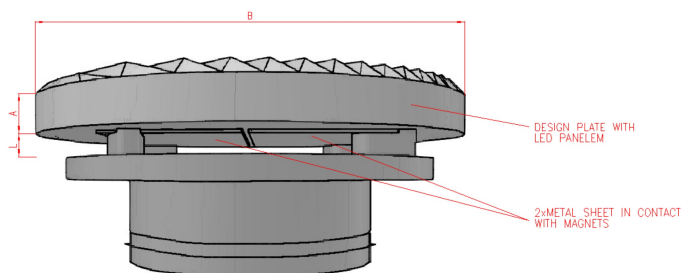
LL-W-XX-XX WOOD: Each piece is original and differs in drawing, shape, cracks and annealing, so it may not completely match the depicted pattern. The wood is carefully dried. The appearance of additional cracks and changes in the drawing depends on the environment. Sunlight can cause a change in hue.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

LL-C-XX-XX 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.



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### Dimensions:



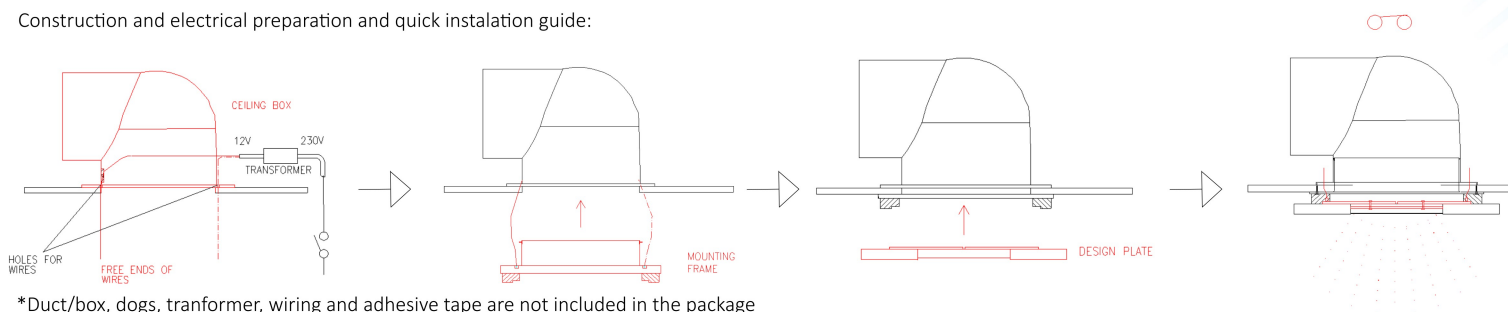
A:  
 LL-P-XX-XX PLASTIC: 3-5 mm  
 LL-W-XX-XX WOOD: 20 mm  
 LL-C-XX-XX CONCRETE: 5-10 mm (+2 mm)

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

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

### Technical solution:

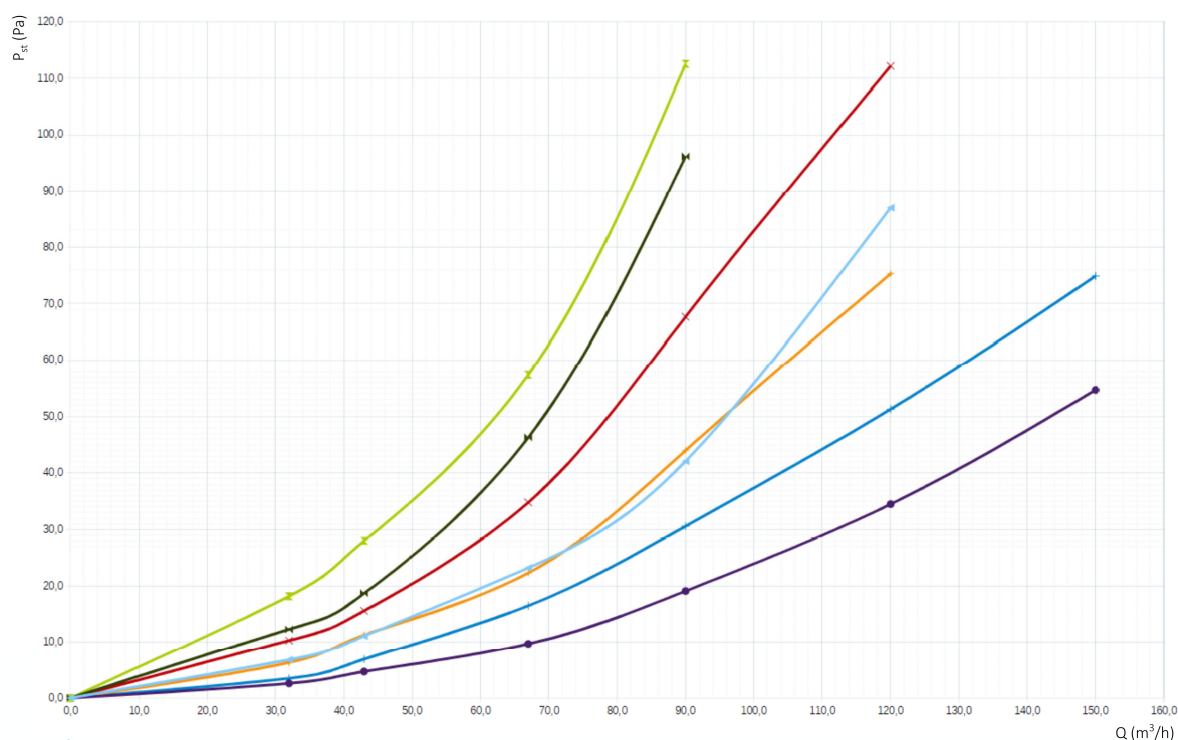
Construction and electrical preparation and quick installation guide:



\*Duct/box, dogs, tranformer, wiring and adhesive tape are not included in the package

### Technical parameters:

Sizing diagram- static pressure drop,  $p = 1,200 \text{ kg/m}^3$ , according to ČSN EN ISO 5801



Legend:

- Sky+Lumen 100 without deflector
- Sky+Lumen 100 with one deflector
- Sky+Lumen 100 with two deflectors
- Sky+Lumen 125 without deflector
- Sky+Lumen 125 with one deflector
- Sky+Lumen 125 with two deflectors
- Sky 160 without deflector

### Accessories:

**Deflector** code: LP-D-95

Plastic Deflector for LUFTOMET Lumen and Sky is tool for directing air flow. With a wide angle of 95°, this little helper can deflect air to avoid uncomfortable gusts and decrease airflow in certain situations. The deflector is easily installed between the design plate and mounting frame using two thorns, and is completely removable for your convenience. Multiple deflectors can also be mounted on one frame (watch pressure loss graph).

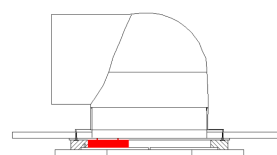
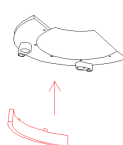
Sizes: 95° suitable for Sky and Lumen 100, 125 mm

Color: white or black

Material: PETG

Code: LP-D-95-W (white)

LP-D-95-B (black)





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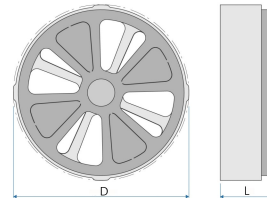
### Air Flow Controller

This device helps to reduce ducting noise and regulate airflow at the duct outlet. The segmented ring can be rotated or removed to adjust for optimal performance. Simply insert it into the duct above the mounting frame. The adjustment consists in the smooth rotation of the control plate relative to the damping element, in which there are through holes. If you want to achieve maximum air flow, the damper is equipped with additional through-holes intended for disassembly by the user.

**Material:** Disc a) damping element made of soft acoustic polyurethane foam PUR with excellent damping properties, coated on one side with a protective film

Disc b) control plate made of rigid polyethylene PE foam

**Code:** LP-R-100  
LP-R-125  
LP-R-160



### Spare LED Panel

When the lifetime of the LED panel is over, it can be replaced with a new one. All you need is a small cross-head screwdriver.

**Code:** LP-LED-W-7      LP-LED-N-7      LP-LED-C-7  
LP-LED-W-10      LP-LED-N-10      LP-LED-C-10

*Quick replacing guide:*

- 1) Remove the design panel from the 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.

