

VENTS LD light Series



Exhaust axial decorative fans with air capacity up to 310 m³/h

Applications

- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
- Ventilation shaft mounting or duct connection.
- Low to medium air flow motion for short distances at low air resistance.
- Compatible with Ø 100, 125 and 150 mm air ducts.



LD Light blue



LD Light red

Design

- Modern design and original look.
- The casing and the impeller are made of high-quality durable ABS plastic, UV resistant.
- Front panel edge is made of transparent plexiglass with LED illumination of various colours (blue, red, green).
- The impeller design enhances the fan efficiency and prolongs the motor service life.
- Protection rating IP 34.

Motor

- Reliable motor with low energy demand.
- Designed for continuous operation and requires no maintenance.
- Equipped with overheating protection.

Modifications and options



LD Light K – the fan is equipped with a back valve to prevent air backdrafting.



LD Light L – the motor is equipped with ball bearings for long service life (appr. 40 thousand hours) and fan mounting at any angle. The bearings are maintenance-free and contain enough grease for the entire operating period.



LD Light turbo – high-powered motor.



LD Light 12 – equipped with a reliable low-voltage motor, 12 V.



LD Light T – equipped with a turn-off delay timer adjustable from 2 to 30 minutes.



LD Light TH – equipped with a turn-off delay timer adjustable from 2 to 30 minutes and a humidity sensor adjustable from 60% to 90%.



LD Light V – equipped with a pull cord switch.



LD Light VT – equipped with a pull cord switch and a turn-off delay timer adjustable from 2 to 30 minutes.



LD Light VTH – equipped with a pull cord switch, turn-off delay timer adjustable from 2 to 30 minutes and a humidity sensor adjustable from 60% to 90%.

Control

Manual:

- The fan is controlled with a room light switch (not included into delivery set).
- The fan is controlled with a built-in pull cord switch "V". This option is not applicable for ceiling mounting.
- Speed control is possible through a thyristor speed controller (see Electrical Accessories). Several fans may be connected to the same controller. Speed controllers can not be connected to the fans with T, TH, TP, VT, VTH modification.

Automatic:

- Speed control with an electronic control unit **BU-1-60**, refer the Electric accessories. The control unit is available upon separate order.
- Fan control with a turn-off delay timer "T" that enables fan running from 2 to 30 minutes after turning the fan off.
- Fan control with a humidity sensor and turn-off delay timer "TH" that enables fan switching on and running until the indoor humidity drops below the set point adjustable from 60% to 90% and subsequent fan running within the set time before turning off.

Mounting features

- The fan is mounted directly into the ventilation shaft.
- Flexible duct connection is recommended in case of the remote ventilation shaft location. The air duct is connected to the fan exhaust flange through a clamp.
- Fixing to wall with screws.
- Suitable for ceiling mounting.
- The step-down transformer (TRF 220/12-25) enables connection of a low-voltage fan 12 V / 50 Hz to 220 V / 50 Hz power mains. Available upon separate order.

Accessories

Air ducts



Grilles and hoods



Back valves



Speed controllers



Control unit



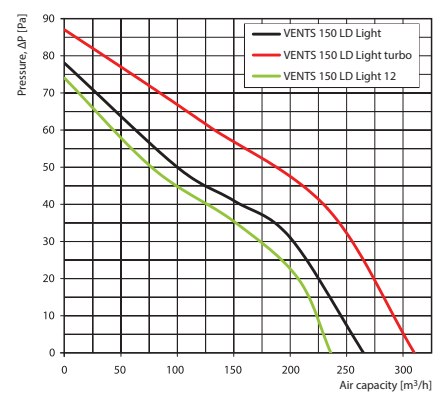
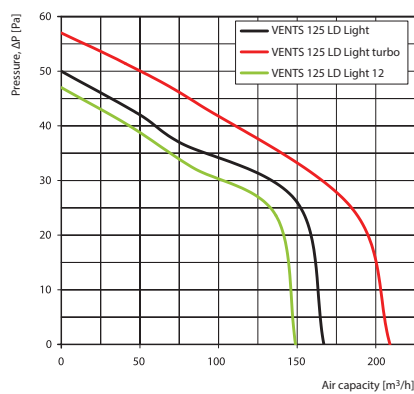
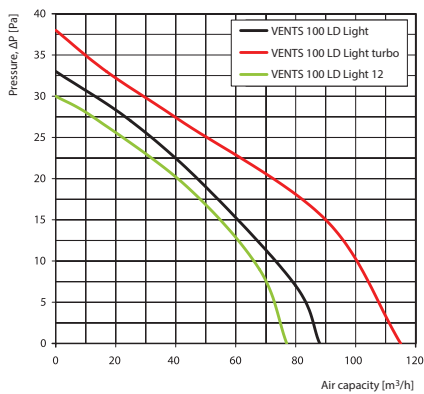
Transformer



Clamps



Aerodynamic characteristics



Technical data

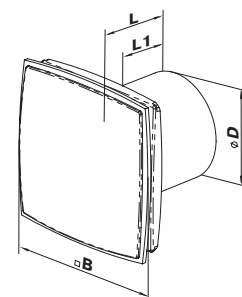
| Model | Frequency [Hz] | Voltage [V] | Power Consumption [W] | Current [A] | R.p.m. | Maximum air capacity [m³/h] | Sound Pressure Level at 3 m [dB(A)] | Weight [kg] |
|--|----------------|-------------|-----------------------|-------------|--------|-----------------------------|-------------------------------------|-------------|
| VENTS 100 LD Light | 50/60 | 220-240 | 14 | 0,085 | 2300 | 88 | 33 | 0,73 |
| VENTS 100 LD Light turbo | 50/60 | 220-240 | 16 | 0,1 | 2300 | 115 | 36 | 0,81 |
| VENTS 100 LD Light 12 | 50/60 | 12 | 14 | 1,5 | 2200 | 77 | 32 | 0,72 |
| VENTS 125 LD Light | 50/60 | 220-240 | 16 | 0,1 | 2400 | 167 | 34 | 0,89 |
| VENTS 125 LD Light turbo | 50/60 | 220-240 | 24 | 0,105 | 2400 | 209 | 36 | 0,99 |
| VENTS 125 LD Light 12 | 50/60 | 12 | 16 | 1,7 | 2300 | 149 | 33 | 0,87 |
| VENTS 150 LD Light | 50 | 220-240 | 24 | 0,13 | 2400 | 265 | 37 | 1,14 |
| VENTS 150 LD Light (220-240 B/60 Hz) | 60 | | | | | | | |
| VENTS 150 LD Light turbo | 50 | 220-240 | 29 | 0,13 | 2400 | 310 | 39 | 1,28 |
| VENTS 150 LD Light turbo (220-240 B/60 Hz) | 60 | | | | | | | |
| VENTS 150 LD Light 12 | 50 | 12 | 29 | 2 | 2300 | 236 | 36 | 1,10 |
| VENTS 150 LD Light (12 B/60 Hz) | 60 | | | | | | | |

Mounting example



Overall dimensions

| Model | Overall dimensions [mm] | | | |
|--------------------|-------------------------|-----|-----|-----|
| | Ø D | B | L | L1 |
| VENTS 100 LD Light | 99,5 | 160 | 126 | 96 |
| VENTS 125 LD Light | 125 | 187 | 135 | 101 |
| VENTS 150 LD Light | 150 | 216 | 154 | 118 |



Certificates

The fans meet the applicable safety and electromagnetic compatibility standards.