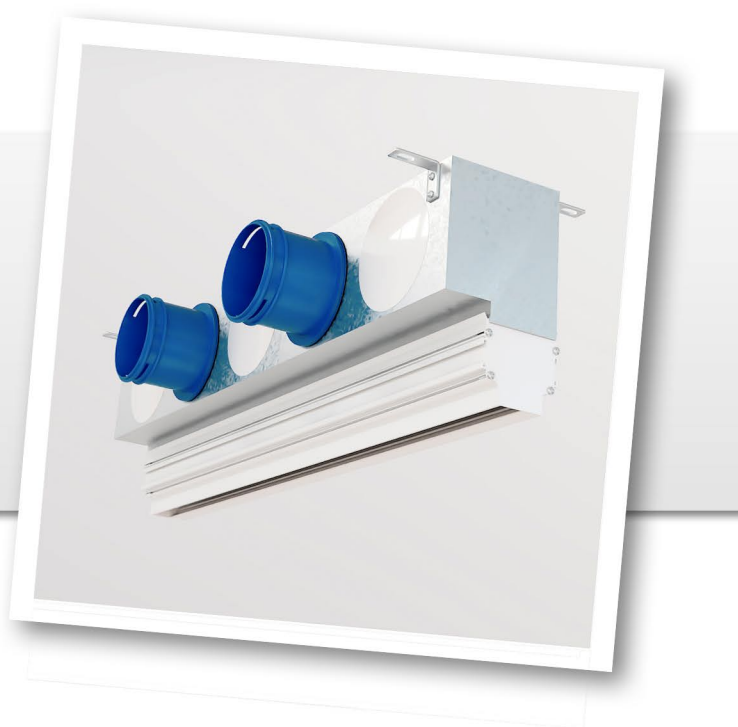


Supply/Extract linear single slot diffusers for hidden installation in ceiling and wall

REC LINE



Uses

The supply/exhaust diffusers REC LINE are designed for hidden installation in ceiling and wall. Possibility of vertical throw or lateral throw with Coanda effect in living houses, hotels and offices. REC LINE diffusers are suitable for ventilation systems with low pressure drops.

Design

The REC LINE diffusers have a modern design, aimed to fit into most interiors. The slot is almost invisible and with creative design, even enriches the interior.

Thanks to the adjustment of the integrated deflectors, the so-called Coanda effect occurs and the supplied air moves along the ceiling and is distributed throughout the room without causing drafts. Comfort without compromise.

Low-visibility aluminum parts are painted in matt colors: black RAL 9006 or white RAL 9016.

By connecting diffusers one to another, we can have a slot of the desired length

Installation

Where necessary, knock out the metal discs on the LDL plenum box and connect the required number of FP connectors to the LDL plenum box. Attach to the ceiling or wall using brackets placed on the plenum.

Align the plasterboard to the bottom of the diffuser

Putty and paint

Detailed installation manual can be found in the REC LINE diffuser box or at www.rec-balticvent.lt

Supply air directions

Horizontal flow with Coanda effect



Vertical Flow



Regulation of air flow

Easy airflow balancing from outside when selecting models with sliding damper.

Changing the direction of the air flow from the outside when selecting models with deflectors

Diffuser models

RL-20-1, RL-35-1 Standard diffuser

RL-20-2, RL-35-2 Standard diffuser with sliding damper

RL-20-3, RL-35-3 Standard diffuser with deflectors

RL-20-4, RL-35-4 Standard diffuser with sliding damper and deflectors

Accessories

Connector FP 75 for d75 flexible duct

Connector FP 90 for d90 flexible duct

Connection kit RL-C

When ordering, please state

Linear diffuser with plenum box

	1	2	3	4	5	6	7	8
1 product RL REC LINE diffuser								
2 product LDL, LDL-1 (insulated) plenum box for REC LINE diffuser								
3 slot width [mm] 20, 35								
4 length of diffuser [mm] 600, 1000, 1500								
5 diffuser model 1, 2, 3, 4								
6 color B matt black, W matt white								
7 diameter of duct connector 75, 90								
8 number of FP connectors 1, 2, 3, 4, 5, 6, 7								

Single slot linear diffuser

REC LINE

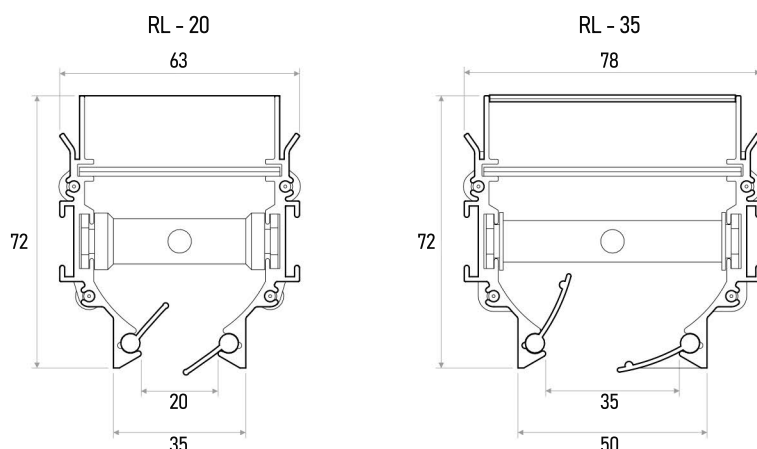


Quick selection table

Model	$A_f [m^2]$	$q_v [m^3/h]$		$L_{pA} [dB(A)]$		$X_{(0,25)} [m]$		$\Delta p_t^* [Pa]$	
		min	max	min	max	min	max	min	max
RL-20-1000	0,0098	60	215	17	31	2,92	9,4	10	50
RL-35-1000	0,01715	125	430	20	34	5,68	15,36	10	50

* Without sliding damper fully open.

Measurements



Total height of the diffuser with the plenum 172 mm.

Maximum possible number of duct connectors d75 or d90 on the plenum, depending on the length of the diffuser:
600 – 2x3 pcs., 1000 – 2x5 pcs., 1500 – 2x7 pcs.

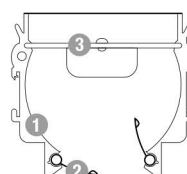
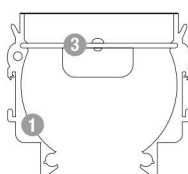
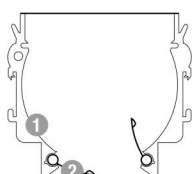
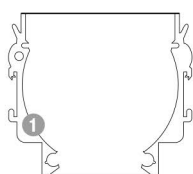
Diffuser models

RL-20-1, RL-35-1

RL-20-2, RL-35-2

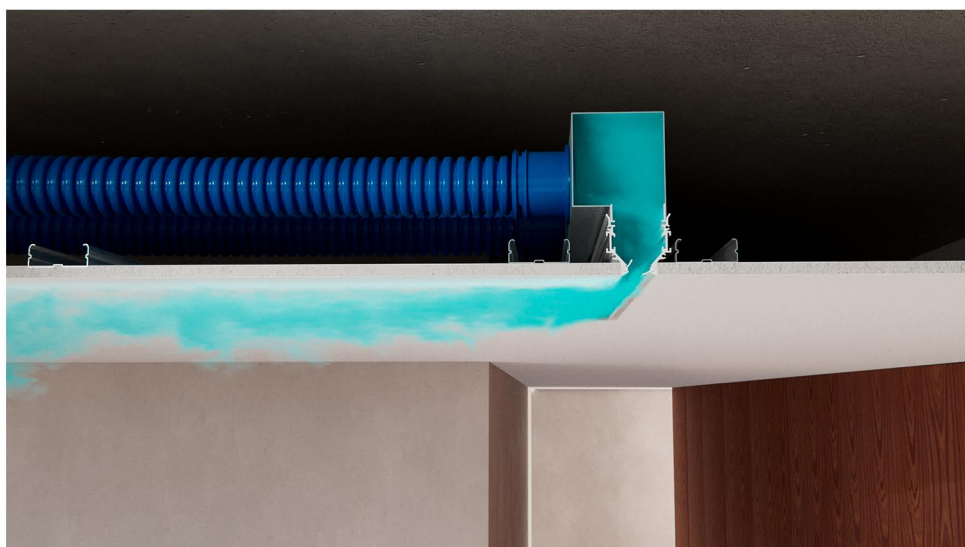
RL-20-3, RL-35-3

RL-20-4, RL-35-4



- 1 Diffuser
- 2 Deflectors
- 3 Sliding Damper

Advantages of supply air flow with Coanda effect



There are no drafts in the area below the diffuser, so furniture can be placed there and people can stay in the space without experiencing discomfort.