LRT linear diffusers LNG for air return

MADEL®

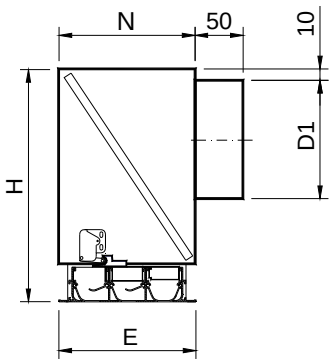
The **LRT** series linear diffusers are designed to combine the aesthetics with the technical performance.

They can be mounted in false ceilings or suspended from the ceiling.

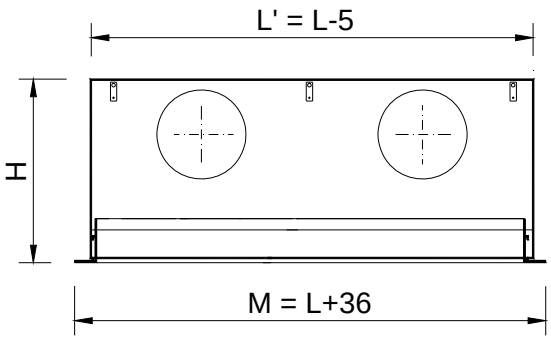
They allow the formation of diffuser continuous lines, with active and inactive areas, without breaking the uniformity of the whole.

Linear slot diffuser with directional blades for air return, removable without tools by pressing on the invisible PUSH fastener.

LRT



	N	E
3	147	147
4	186	186



	L ⩽ 0.5		L ⩽ 1		L ⩽ 1,2		L ⩽ 1,5	
	H	D1	H	D1	H	D1	H	D1
3	296	1/198	296	1/198	296	2/198	296	2/198
4	296	1/198	296	1/198	296	2/198	296	2/198

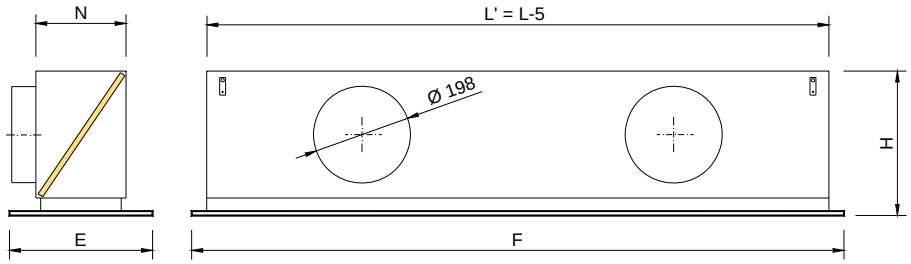
CLASSIFICATION

LRT linear diffuser for air return with lateral conexión plenum Filter (K/8 clase EN 779 G3) included.

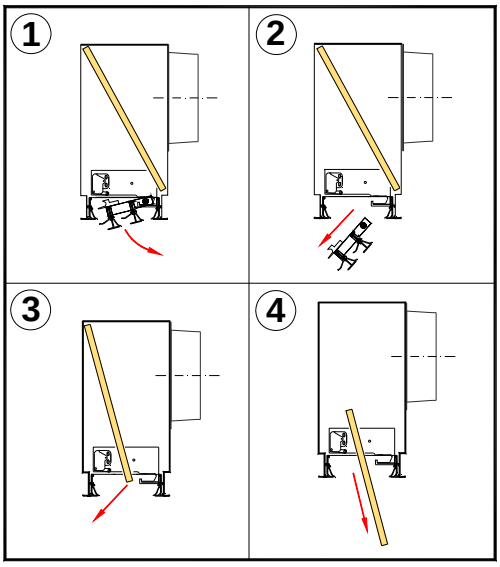
…-AR Diffuser with end borders included. Suitable for lengths ≤ 1,5m.
...-ARI Diffuser with an end border on the left side, required to form lines > 1,5m.
...-ARD Diffuser with an end border on the right side, required to
form lines > 1,5 m.
...-INT Diffuser without end borders, required to form lines > 3 m.

MATERIAL

Diffuser constructed from aluminium and deflection vanes from aluminium in black colour.



	Vias	F	E	L'	H	D1	N
LRT MOD 1200x300 - 3 x 1150	3	1195	295	1145	296	2/198	147
LRT MOD 1200x300 - 4 x 1150	4	1195	295	1145	296	2/198	186
LRT MOD 1200x600 - 3 x 1150	3	1195	595	1145	296	2/198	147
LRT MOD 1200x600 - 4 x 1150	4	1195	595	1145	296	2/198	186
LRT MOD 1250x310 - 3 x 1200	3	1245	305	1195	296	2/198	147
LRT MOD 1250x310 - 4 x 1200	4	1245	305	1195	296	2/198	186
LRT MOD 1250x625 - 3 x 1200	3	1245	620	1195	296	2/198	147
LRT MOD 1250x625 - 4 x 1200	4	1245	620	1195	296	2/198	186
LRT MOD 1350x335 - 3 x 1350	3	1345	330	1345	296	2/198	147
LRT MOD 1350x335 - 4 x 1350	4	1345	330	1345	296	2/198	186
LRT MOD 1350x675 - 3 x 1350	3	1345	670	1345	296	2/198	147
LRT MOD 1350x675 - 4 x 1350	4	1345	670	1345	296	2/198	186



ACCESSORIES

/AIS/ Plenum box thermo acoustically insulated by a foam with a coefficient of thermal conductivity of 0,04 w/mk.
This foam complies with the fire reaction specifications:

UNE 23-727 M2
NFP 92-501 M2
DIN 4102 M2

FIXING SYSTEMS

(D) Support brackets to hang from the ceiling.

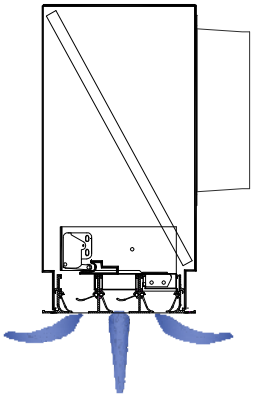
FINISHES

AA Matt silver anodised.
M9016 Painted in white similar to RAL 9016.
R9010 Painted in white RAL 9010.
RAL... Painted in other RAL colours.

SPECIFICATION TEXT

Supply and mounting of linear slot diffuser with directional blades with plenum and filter, for air return, removable without tools by pressing PUSH fastener **LRT-AR M9016 3x1000**, constructed from aluminium and painted white **M9016**.
Manufacturer **MADEL**

LRT



RECOMMENDED VELOCITY.

	Vmin (m/s)	Vmax (m/s)
3	2	3
4	2	3

FREE FACE AREA (m2).

	0.5 m	1 m	1.2 m	1.5 m	1.8 m	2 m
3	0.013	0.0261	0.0313	0.0391	0.047	0.0522
4	0.0172	0.0348	0.0418	0.052	0.0626	0.0696

CORRECTION FACTOR FOR DPt AND Lwa1.

		0.5 m<x< 0.7m			0.8 m<x<1.2 m			1.3 m <x<1.7 m			1.8 <x< 2 m		
		100%	50%	25%	100%	50%	25%	100%	50%	25%	100%	50%	25%
3	Dpt	0.8	2.1	3.2	1	1.3	2.4	1.2	2.5	3.6	1.4	2.7	3.8
	Lwa1	-	4	5	-	5	8	-	5	8	-	4	8
4	Dpt	0.7	2.1	2.8	1	1.4	2.1	1.3	2.7	3.4	1.5	2.9	3.6
	Lwa1	-	4	5	-	4	8	-	5	8	-	4	8

DPt1 = Kp x DPt

Lwa1 = Lwa + Kf

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL.