

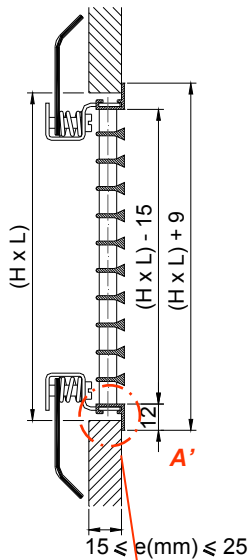
LMT-MINI linear grilles for laminated plaster board mounting

MADEL®

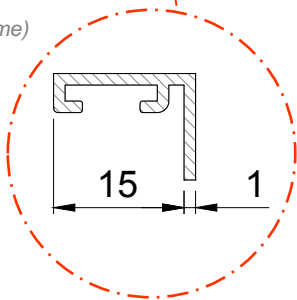
The **LMT-MINI** series grilles are designed to be used in air-conditioning, ventilation and heating. Reduced frame linear grilles at 12 mm. The distance between the blades and the thickness of them give great strength and an aesthetic appearance which makes them ideal for living rooms and locations where decorative factors are of prime importance.

They are suitable for supply and extraction in particular or for use in air curtains. They can be placed in ceilings and walls. Grilles specially designed for laminated plaster board mounting.

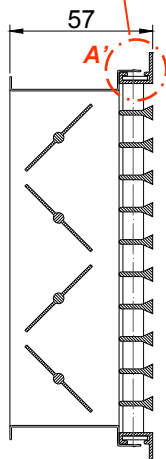
LMT-MINI (O)



DETAIL A' (LMT-MINI frame)



LMT-MINI + SP



CLASSIFICATION

LMT-MINI Grille with end borders and fixed bars at 0°. Suitable for lengths ≤ 2 m.

LMT-MINI-15 Grille with end borders and fixed bars at 15°. Suitable for lengths ≤ 2 m.

...-ARI Grille with an end border on the left side, required to form lines > 2 m.

...-ARD Grille with an end border on the right side, required to form lines > 2 m.

...-INT Grille without end borders, required to form lines > 4 m.

MATERIAL

Extruded aluminium grille.

ACCESSORIES

SP Opposed blades volume damper from electro-zinc steel, in black colour.

FIXING SYSTEMS

(O) Hidden screw.

FINISHES

AA Matt silver anodised.

M9016 Painted white similar to RAL 9016 (85-95% gloss)

R9016S Painted white RAL 9016 semi-matt (60-70% gloss)

R9010S Painted white RAL 9010 semi-matt (60-70% gloss)

RAL... Painted in other RAL.

SPECIFICATION TEXT

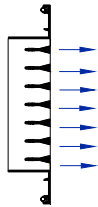
Supply and mounting of reduced frame linear grille at 12 mm with fixed bars at 0° parallels to the largest side serie **LMT-MINI+SP (O) AA dim. LxH**, constructed from aluminium and anodised in matt silver **AA** with opposed blades volume damper from electro-zinc steel in black colour **SP**, fixing by hidden screw **(O)**.

Manufacturer **MADEL**.

LMT-MINI

FREE FACE AREA m2.

H \ L	150	200	250	300	350	400	450	500	600	700	800	900	1000
75	0,004	0,006	0,007	0,009	0,010	0,012	0,014	0,015	0,019	0,022	0,025	0,028	0,032
100	0,006	0,008	0,010	0,013	0,015	0,017	0,020	0,022	0,027	0,031	0,036	0,041	0,045
150	0,010	0,014	0,018	0,023	0,026	0,030	0,034	0,038	0,046	0,054	0,062	0,070	0,078
200	0,014	0,019	0,025	0,031	0,036	0,041	0,046	0,052	0,063	0,073	0,084	0,095	0,106
250	0,018	0,025	0,031	0,039	0,045	0,052	0,059	0,065	0,079	0,093	0,106	0,120	0,133
300	0,022	0,030	0,038	0,047	0,054	0,063	0,071	0,079	0,095	0,112	0,128	0,145	0,161
350	0,026	0,036	0,046	0,056	0,066	0,076	0,085	0,095	0,115	0,135	0,155	0,174	0,194
400	0,030	0,041	0,052	0,064	0,075	0,086	0,098	0,109	0,131	0,154	0,177	0,199	0,222
450	0,034	0,046	0,059	0,072	0,084	0,097	0,110	0,122	0,148	0,173	0,198	0,224	0,249
500	0,038	0,052	0,066	0,080	0,094	0,108	0,122	0,136	0,164	0,192	0,220	0,249	0,277



RECOMMENDED VELOCITY.

Vmin m/s	Vmax m/s
2	3.5

Determination of air flow.
Measuring the Vf in different points
of the grille, we find the Vfmed.

$$Q \text{ (l/s)} = V_{fmed} \text{ (m/s)} * A_{free} \text{ (m}^2) * 1000$$

$$Q \text{ (m}^3\text{/h)} = V_{fmed} \text{ (m/s)} * A_{free} \text{ (m}^2) * 3600$$

CORRECTION FACTOR FOR Lwa1.

Afree m2	0,01	0,02	0,05	0,1	0,2	0,4
Lwa1(kf)	-9	-6	-3	-	+4	+7

Weighted noise level related to
Afree = 0,1m2.

$$L_{wa} = L_{wa1} + K_f$$

FREE VELOCITY, PRESSURE LOSS AND SOUND POWER LEVEL.

