

Linear slot diffusers

LTD



Description

LTD is a linear slot diffuser made of aluminium and suitable for supply and extract air. Equipped with aluminium blade deflectors, LTD can easily manage high airflows with a minimum pressure loss and noise level.

LTD can be installed with the plenum boxes GB, JB, NB or KB, in order to achieve an even flow and individual adjustment.

Easy and fast installation by using quick fix connectors.

- Design linear slot diffuser
- Suitable for supply and extract
- Horizontal and vertical supply air
- Long throw or normal throw for the horizontal position
- Quick fixing system

Order code

LTD-25-1-1500-S0-D0

Distribution profile	5°
Product length	1500
Function	Supply
Working setup	1-way
Blade Setting	High air capacity
Mounting type	Sealed to ceiling
Diffuser color	Anodized

Technical data

Requirements			
Air volume	q_v	50	l/s
Room attenuation	D_r	4	dB
Distance to suspended ceiling		0	m
Room air temperature	t_r	25	°C
Primary air temperature	t_{ai}	18	°C

Results			
Total Capacity	P	420	W
Face velocity	v	2.4	m/s
Total pressure loss	Δp_t	12	Pa
Sound power level	L_{wA}	32	dB(A)
Sound pressure level	L_{pA}	28	dB(A)
Throw	$L_{0.2}$	2.2	m

Hz	63	125	250	500	1K	2K	4K	8K	Sum	Sum
L_w	39	36	34	30	26	22	18	15		
ΔL	-	-	-	-	-	-	-	-		

Symbols	
ΔL	Sound attenuation
L_w	Self-generated noise

Pressure and sound power diagram

