

LT500



LT 500 diffusers guarantee:

- an optimum and steady airflow,
- low noise level,
- high air induction rate, with the airflow penetrating the room without turbulence.

Airflow 1 or 2 ways continuous or alternating through adjustable \varnothing 37 mm cylindrical deflectors.

MATERIAL AND FINISH

- Natural anodized aluminum
- Version in painted aluminum white RAL 9010 also available
- Cylindrical deflectors:
 - LT in black ABS (STANDARD)
 - LW in white PVC (UPON REQUEST)

APPLICATION

- Suitable for both VAV and CAV systems
- Installation height between 2.6 and 4 m
- summer ΔT up to -12 K and winter up to +10K

FASTENING

Diffuser connected to the plenum by special steel springs.

Diffuser + Plenum includes:

- Connection pins for installation in series.
- Plenum ceiling assembly brackets.

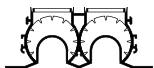
VERSIONS

- LT50.. from 600 to 2000 mm in single element
- > 2000 mm by connecting multiple diffusers in series joined with connection pins.

ACCESSORIES

- Plenum in galvanized steel sheet:
 - LP50.. plenum
 - LP50..G internally insulated in polyethylene with th. 6 mm, **certified according to Euroclass B-s2-d0**
 - LP51.. with regulating damper
 - LP51..G with regulating damper internally insulated in polyethylene with th. 6 mm, **certified according to Euroclass B-s2-d0**
 - LP50..X support for false diffusers
- External insulation (UPON REQUEST)
- Regulating damper on circular collar adjustable from the room.

DEFLECTOR ADJUSTMENTS



CLOSED



LEFT



RIGHT



ALTERNATING



LEFT
ALTERNATING



RIGHT
ALTERNATING

PRICES

Length [mm]	LT501	LT501 RAL9010	Accessories				
			LP501	LP501G	LP511	LP511G	LP501X
600							
800							
1000							
1200							
1500							
1800							
2000							

Length [mm]	LT502	LT502 RAL9010	Accessories				
			LP502	LP502G	LP512	LP512G	LP502X
600							
800							
1000							
1200							
1500							
1800							
2000							

LT500

INSTALLATION

Ease of installation and maintenance is guaranteed by the uncoupling of the plenum and diffuser

- PHASE1 Installation of the plenum and finishing of the false ceilings
- PHASE 2 Assembly of the diffuser

PRICES

Length [mm]	LT503	LT503 RAL9010	Accessories				
			LP503	LP503G	LP513	LP513G	LP503X
600							
800							
1000							
1200							
1500							
1800							
2000							

Collar

Supplementary
Supplementary with regulating damper
Oval equal to Ø ... mm

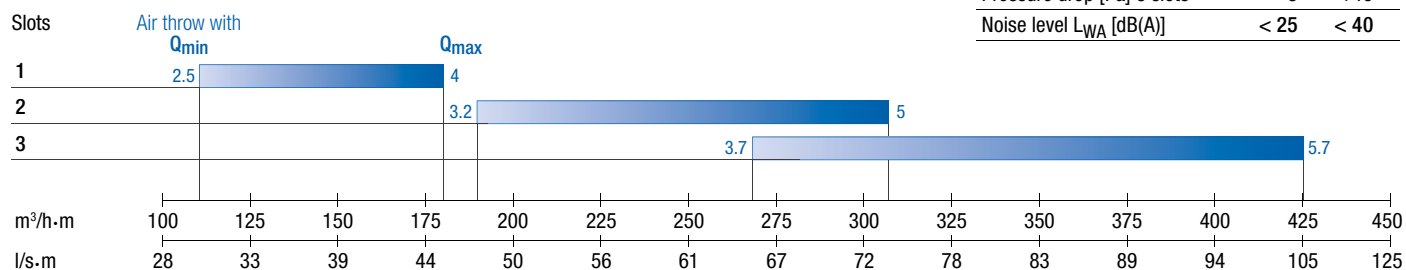
Terminals

Slots Nr	Anod. alum.	RAL9010
1	•	•
2	•	•
3	•	•

• Products in stock

QUICK SELECTION

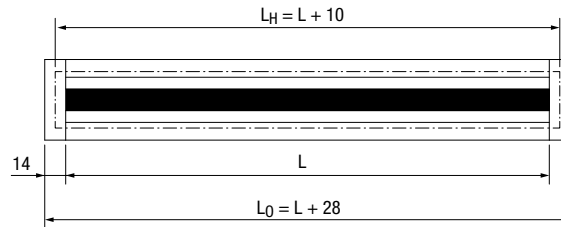
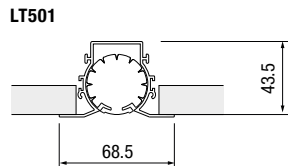
	Q _{min}	Q _{max}
Pressure drop [Pa] 1 slot	12	< 29
Pressure drop [Pa] 2 slots	10	< 23
Pressure drop [Pa] 3 slots	8	< 19
Noise level L _{WA} [dB(A)]	< 25	< 40



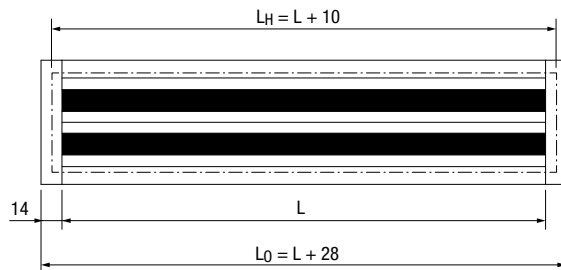
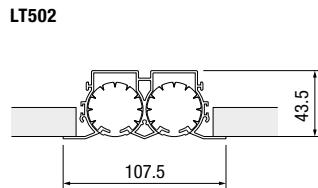
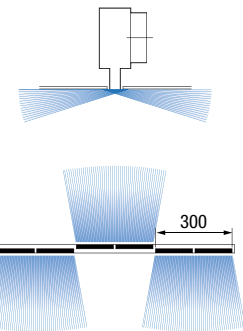
LT500

DIMENSIONS

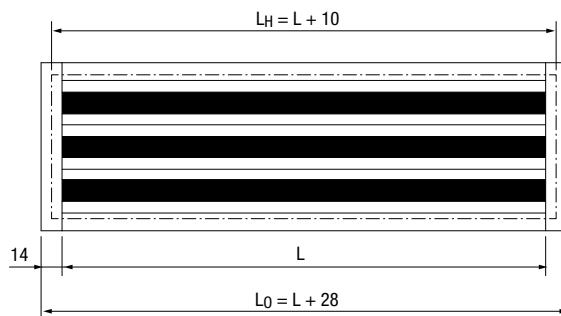
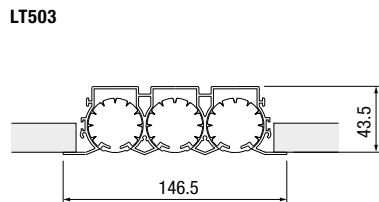
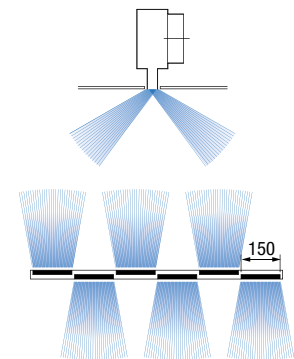
L = nominal length (slot length)
 L₀ = overall length
 L_H = ceiling opening length



HORIZONTAL ALTERNATE THROW



INCLINED ALTERNATE THROW



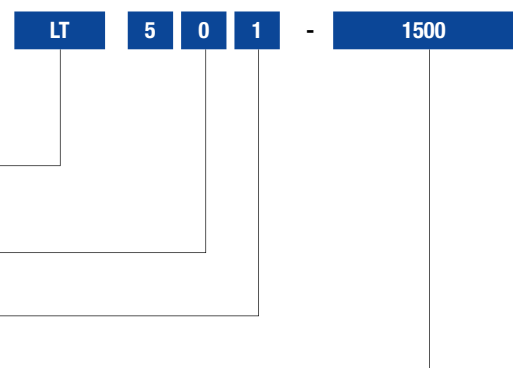
HOW TO ORDER

DIFFUSER
 LT supply Black
 LW supply White
 LA return without deflectors

EDGE
 5 standard
 6 reduced, only for 1-slot version

NR SLOTS
 From 1 to 3

DIMENSIONS
 Nominal length



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FASTENING

- Diffuser connected to the plenum by special steel springs.
- Diffuser + Plenum includes:
- Connection pins for installation in series.
 - Plenum ceiling assembly brackets.

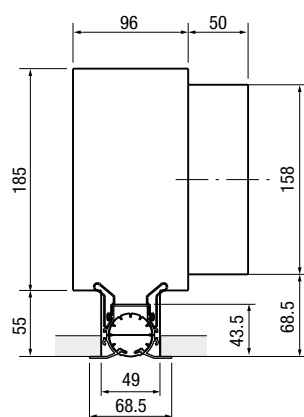
DIMENSIONS

For 1-slot or 2-slot diffuser

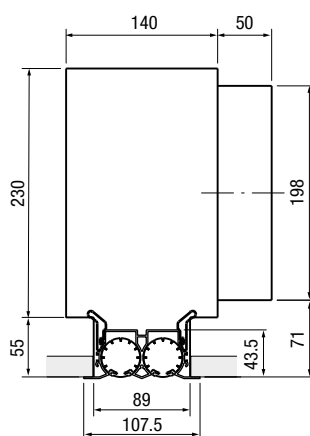
Diffuser length [mm]	Circular collars (included in plenum)
	Nr
$L \leq 1550$	1
$1600 \div 2000$	2

For 3-slot diffuser

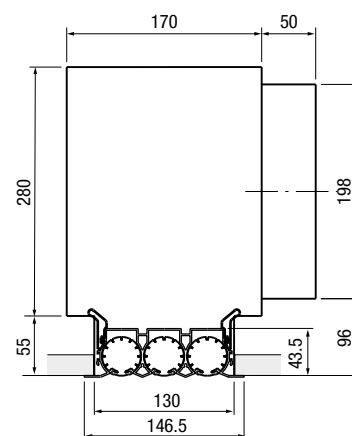
Diffuser length [mm]	Circular collars (included in plenum)
	Nr
$L \leq 1050$	1
$1100 \div 2000$	2



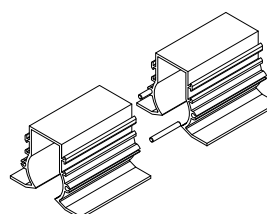
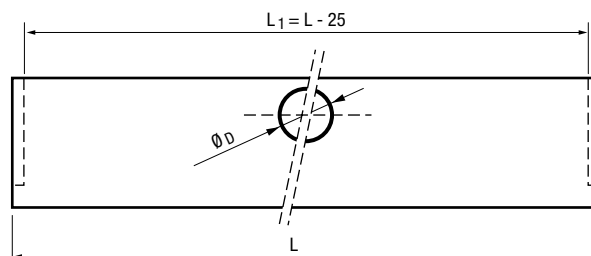
LP501 + LT5011



LP502 + LT502



LP503 + LT503



Connection for linear diffusers

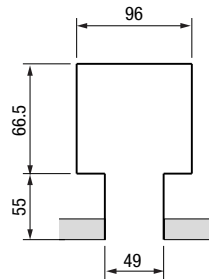
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DUMMY VERSION

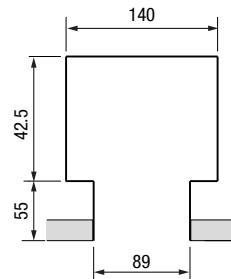
Support for false diffuser assembly.

FASTENING SYSTEM

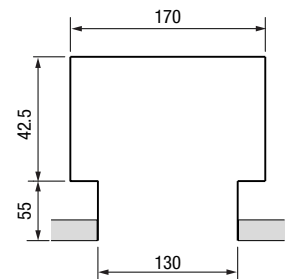
Align plenum edge flush to ceiling.



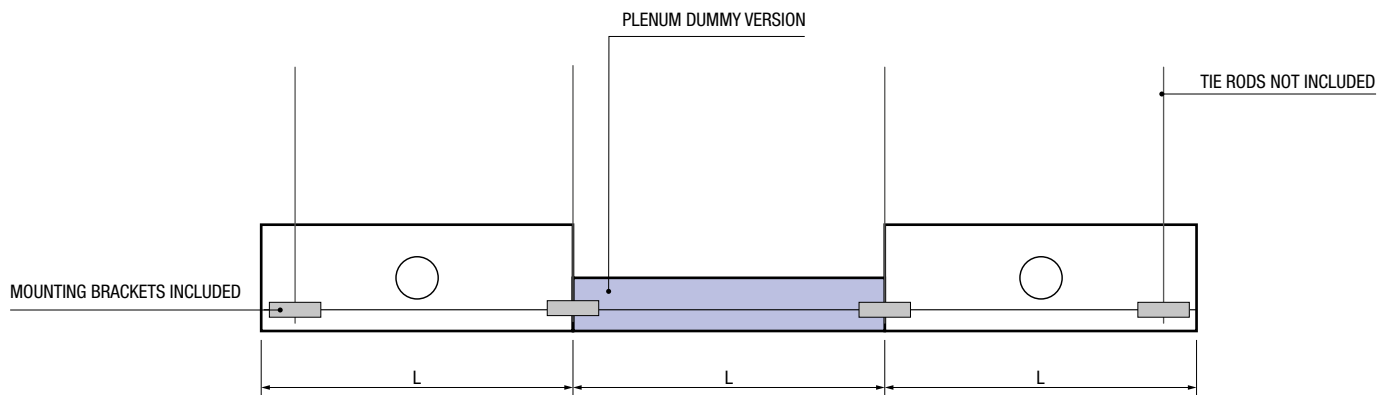
LP501 X



LP502 X



LP503 X



HOW TO ORDER

LP 5 0 1 G X - 1500

PLENUM

REGULATING DAMPER ON COLLAR

- 0 without
- 1 with

NR SLOTS

From 1 to 3

INSULATION

- not insulated
- G insulated
- GE externally insulated

FALSE DIFFUSER SUPPORT

- without
- X with (DUMMY)

DIMENSIONS

Nominal length