

EDLSV - EDLSVB Hidden linear diffusers



Description

Concealed linear diffusers for vmc systems with a 30 mm slot with an aerodynamic aluminium profile and adjustable deflectors for optimal air throw control.

Features

Material: aluminium.

EDLSV finish: RAL9005 black painted aluminium.

EDLSVB finish: RAL9016 white painted aluminium.

Slots number: 1 width 30 mm.

Installation: by plenum box with mounting bridge, ceiling finishing with anti-crack tape on the frame and subsequent plaster skimming.

Dimensions available:

- Length 500 mm;
- Length 800 mm.

Use

Diffuser suitable for air-supply or return in residential and commercial environments.

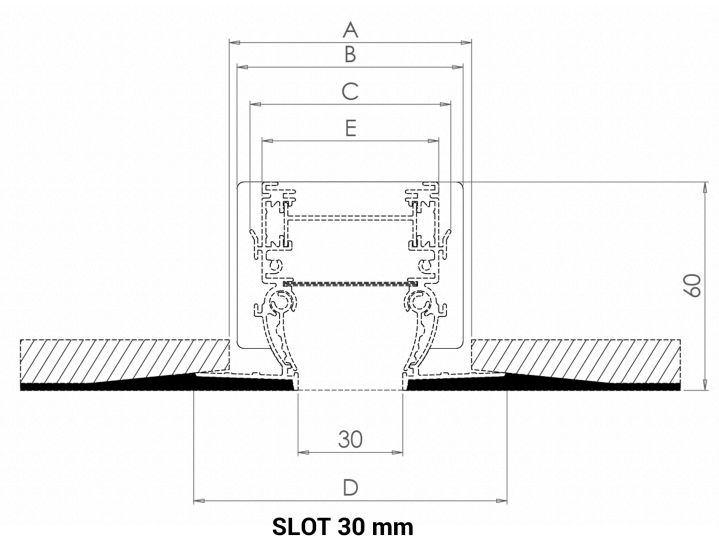
Models

- EDLSV - Concealed linear supply air diffuser with deflectors and 30 mm slot, finished in black RAL 9005.
- EDLSVB - Concealed linear supply air diffuser with deflectors and 30 mm slot, finished in white RAL 9016.

Accessories

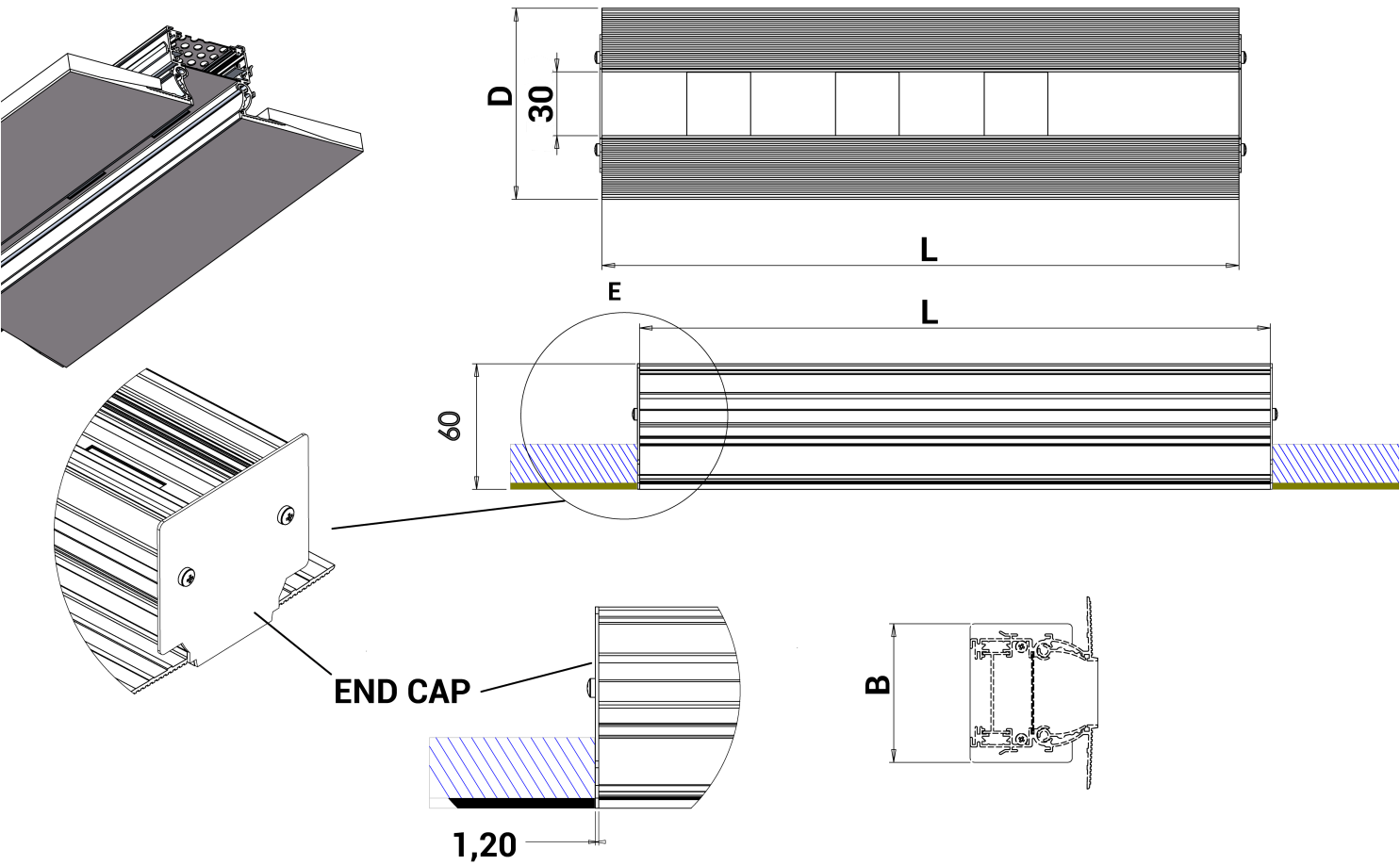
- EPLS - Insulated plenum box;
- P1- EDL - Mounting bridge;
- M63-EASY - Ø63 mm spigot;
- M76-EASY - Ø75 mm spigot;
- S-EASY - Balancing damper for spigot;
- T-EASY - Closing cap.

Hidden Linear Diffusers Dimensions



Dimensions are expressed in mm.

L	A	B	C	E	D	Nr. of Mounting Bridges
500	70	65	58	51	90	2
800						2



Operating Data

Data referring a terminal throw velocity $V_t = 0.25 \text{ m/s}$ and with a temperature differential of $10/12^\circ\text{C}$ in ceiling insallation and side air throw.

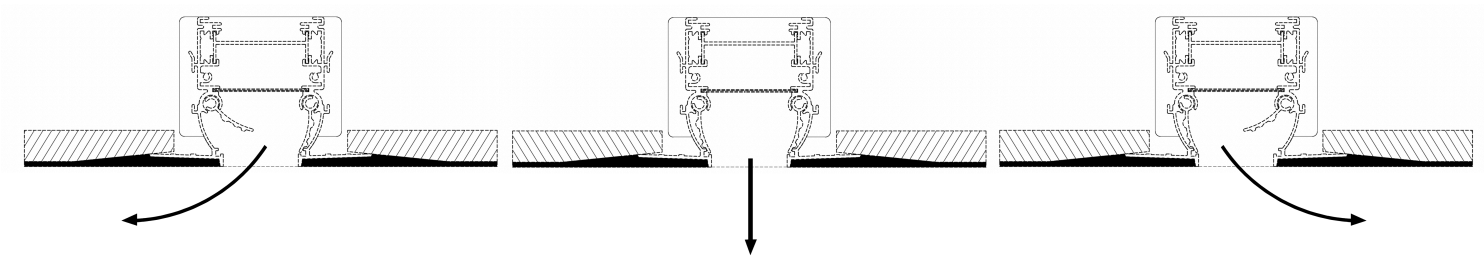
Operation data concerning to diffuser without damper or with open sliding damper.
Operation data concerning to diffuser with deflectors in working position with 50% reduction of the effective air passage surface.

The position of the deflectors reduce the effective section. When the deflectors are open or in return mode, the air flow (m^3/h) could be increased.

Vk: effective speed
(m/s).
 m^3/h : air flow.
Pa: pressure drop
in Pascal.
L(m): air throw in
meters.
dB(A): noise level.

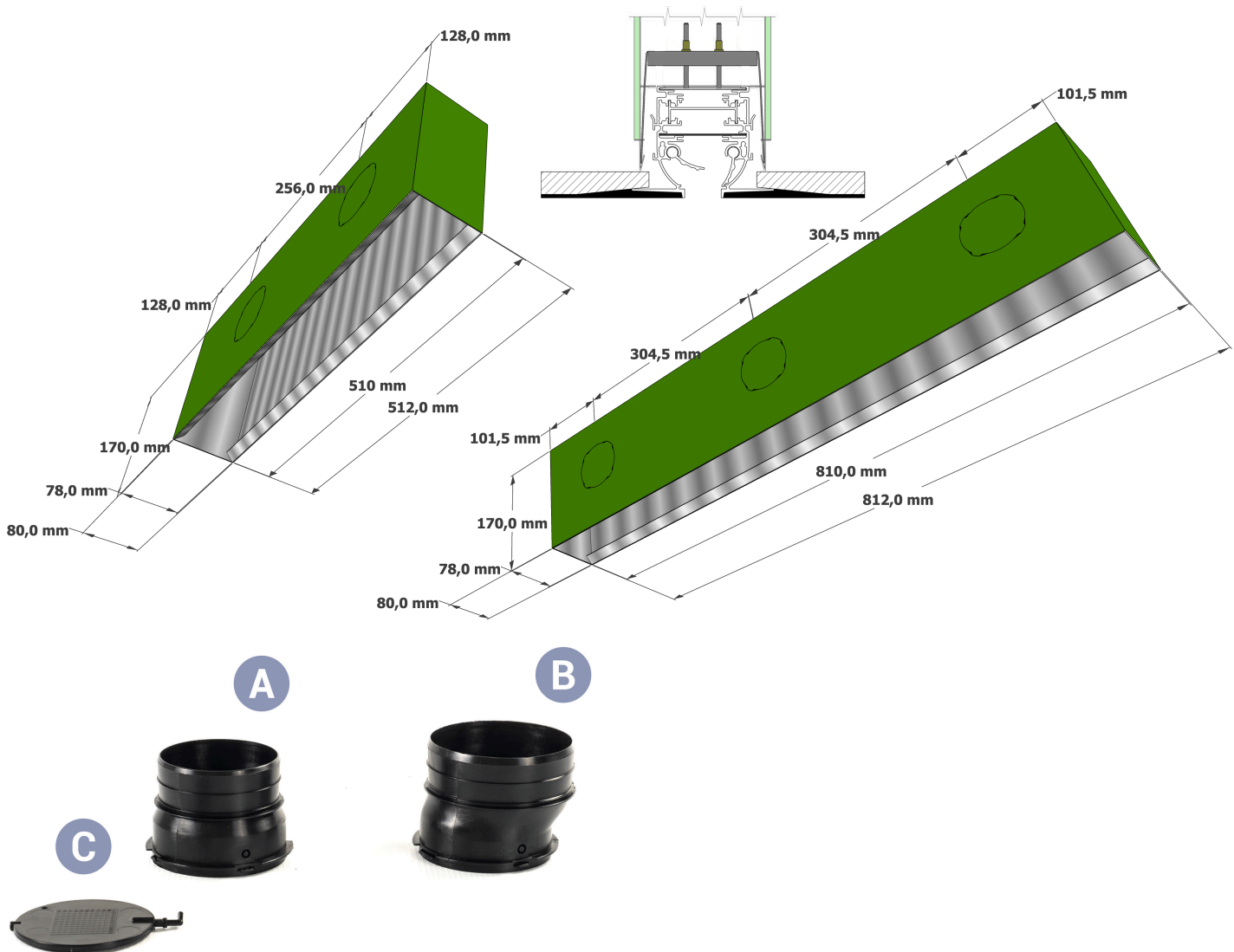
Lenght (m) EDLSV- EDLSVB	Effective Cross- Section (m2)	Air-volume and Air-throw						
500 mm	0,0073	m³/h	52	79	105	132	158	184
		L(m)	1,6	2,5	3,4	4,2	6	5,8
800 mm	0,0116	m³/h	83	125	167	208	250	292
		L(m)	1,6	2,5	3,4	4,2	5	5,8
Vk		m/s	2	3	4	5	6	7
Pressure Drop		Pa	8	15	26	40	55	70
Noise Level		dB(A)	<20	22	32	37	44	48

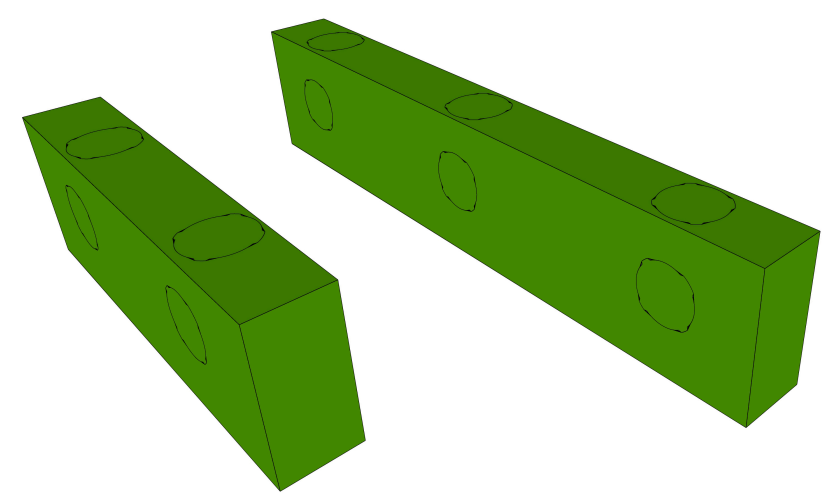
Features Air Throw



Plenum Dimensions and Mounting System with Fixing Bridges

- Plenum EPLS 500 including 2 sleeve type A Ø 63mm;
- Plenum EPLS 800 including 3 sleeve type A Ø 63mm;
- Damper type C and sleeve type B Ø 75mm optional to be purchased separately.





Price list EDLSV paint black RAL9005 with slot 30 mm

Lenght (m)	EDLSV	EDLSVB	EPLS
	Eur	Eur	Eur
500	55,62	55,62	88,25
800	63,96	63,96	100,74

Price List Accessories

Accessories	Eur
P1-EDL - Mounting bridge	12,72
M76-EASY - Additional spigot for Ø75 mm internal duct (pack of 5 pieces).	25,99
S-EASY - Balancing damper for Ø63 mm or Ø75 mm internal connections (pack of 5 pieces).	15,58