

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.

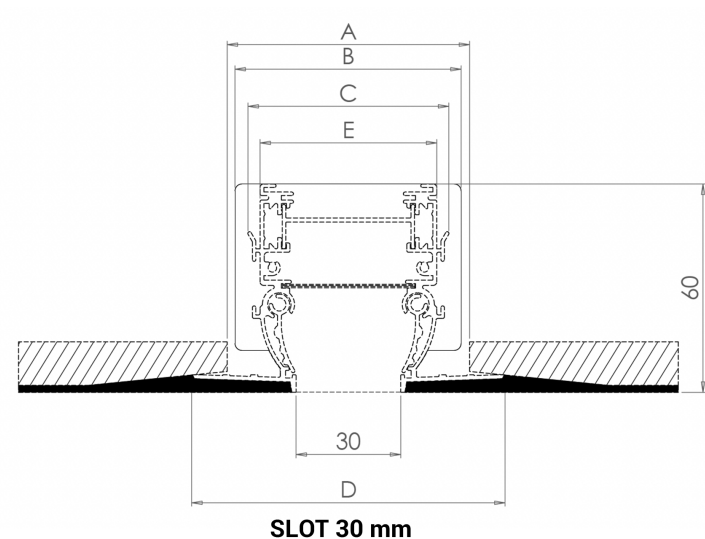
Models

- 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

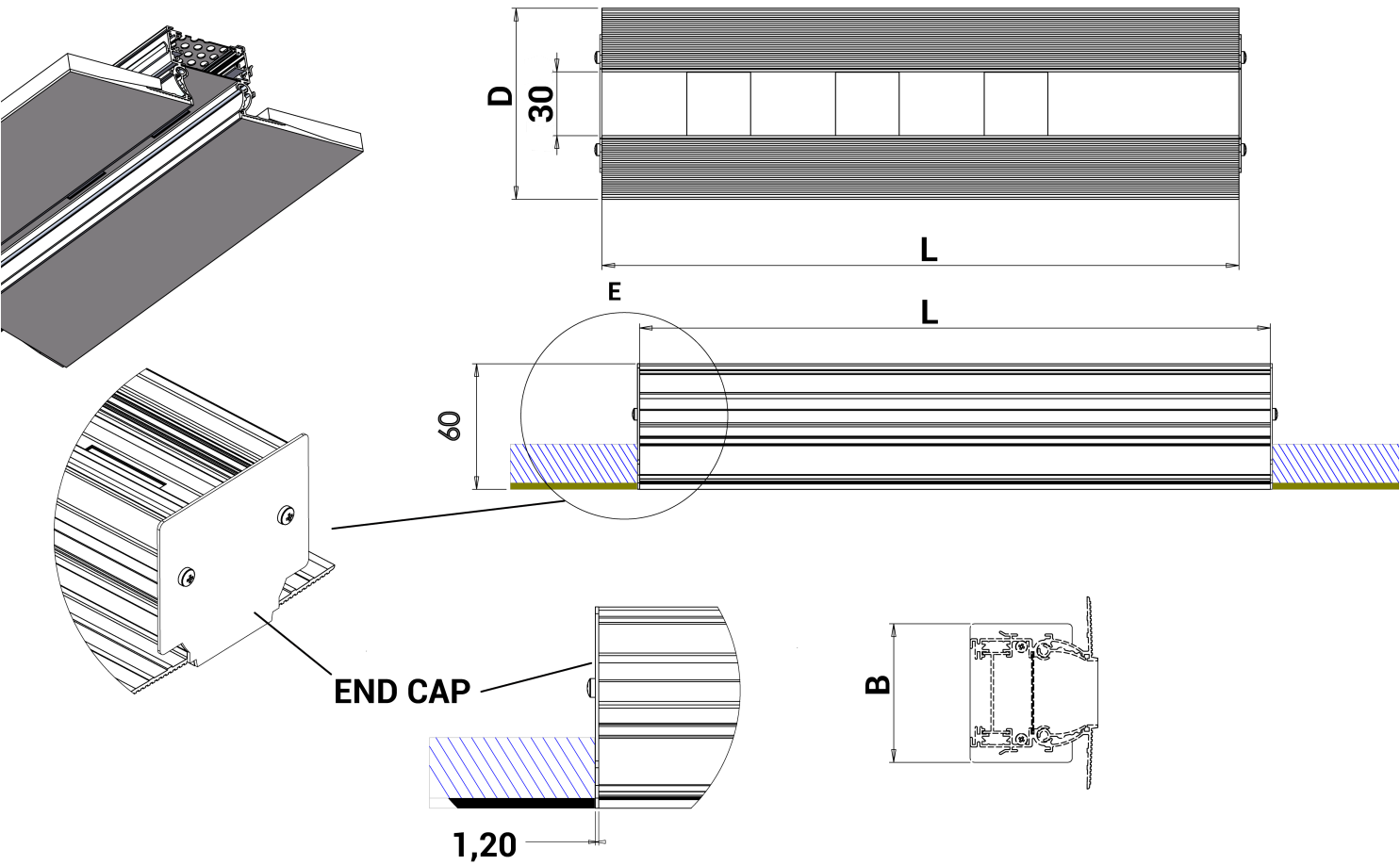
- EPLS - Insulated plenum box;
- P1- EDL - Mounting bridge;
- M63-EASY - Ø63 mm spigot;
- M76-EASY - Ø75 mm spigot;
- S-EASY - Balancing damper for spigot;
- T-EASY - Closing cap.

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 $V_t = 0.25$ m/s and with a temperature differential of 10/12°C in ceiling insallation and side air throw.

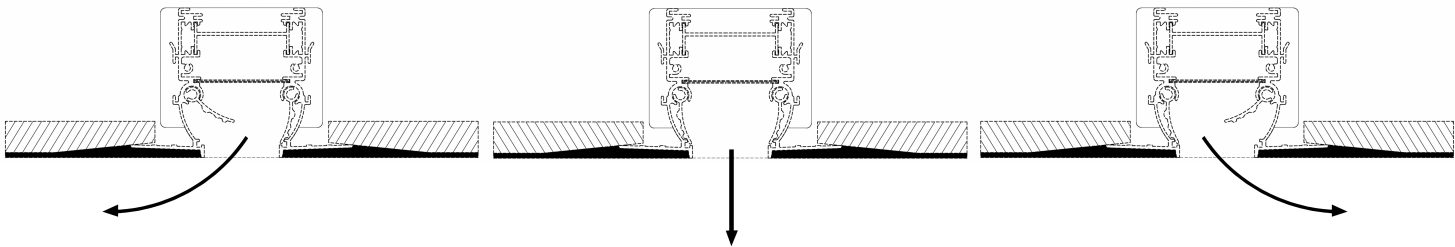
Operation data concerning to diffuser without damper or with open sliding damper.
Operation data concerning to diffuser with deflectors in working position with 50% reduction of the effective air passage surface.

The position of the deflectors reduce the effective section. When the deflectors are open or in return mode, the air flow (m³/h) could be increased.

Vk: effective speed (m/s).
m³/h: air flow.
Pa: pressure drop in Pascal.
L(m): air throw in meters.
dB(A): noise level.

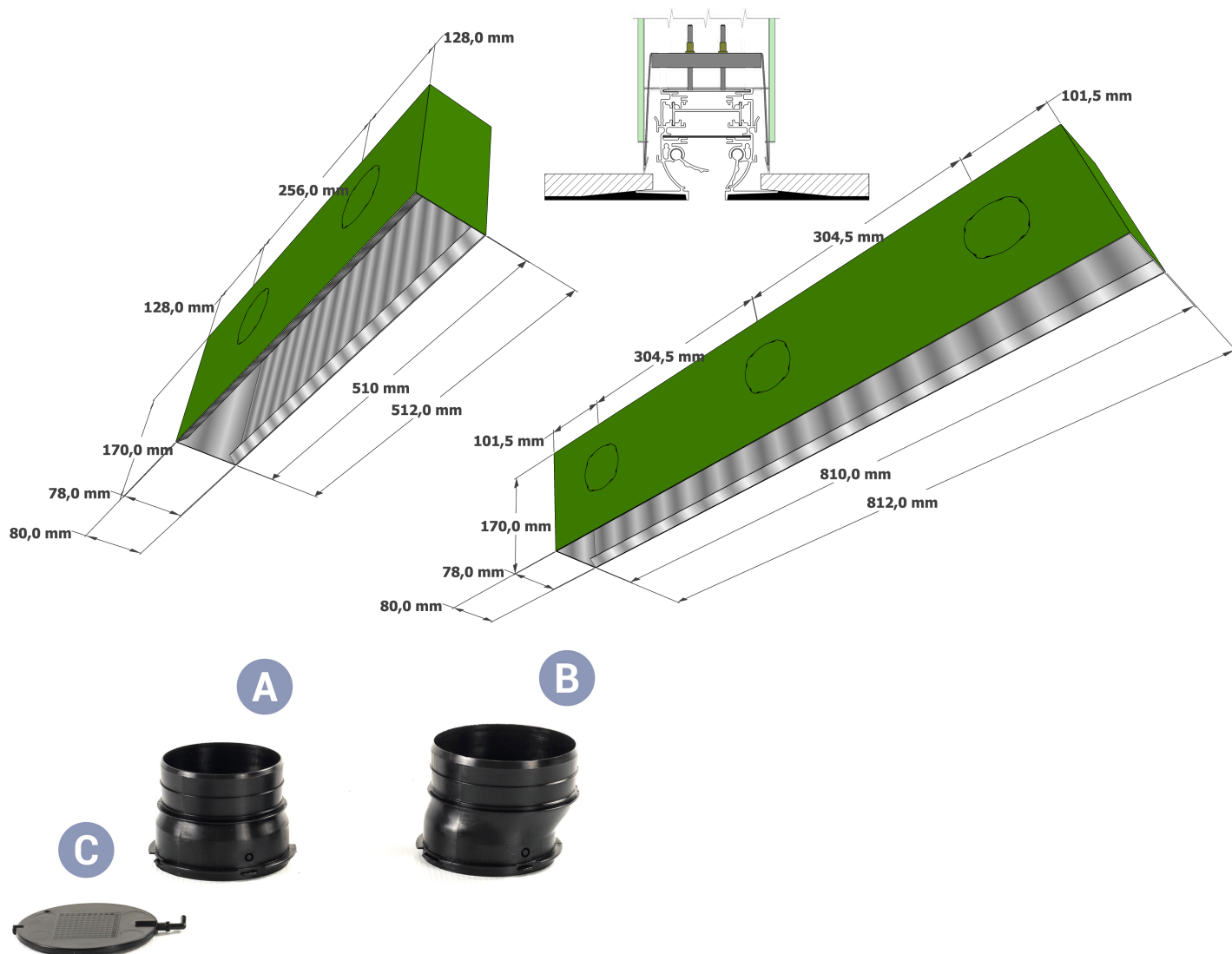
Lenght (m) EDLSV- EDLSVB	Effective Cross- Section (m2)	Air-volume and Air-throw						
500 mm	0,0073	m³/h	52	79	105	132	158	184
		L(m)	1,6	2,5	3,4	4,2	6	5,8
800 mm	0,0116	m³/h	83	125	167	208	250	292
		L(m)	1,6	2,5	3,4	4,2	5	5,8
Vk		m/s	2	3	4	5	6	7
Pressure Drop		Pa	8	15	26	40	55	70
Noise Level		dB(A)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

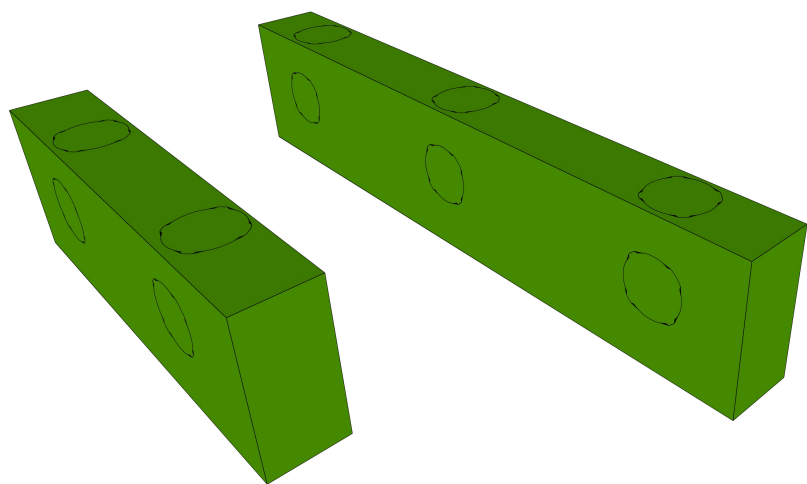
Features Air Throw



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	-	-	-
800	-	-	-

Price List Accessories

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