

## EDFL/B-FL Linear diffusers for air extraction with slot and filter

### Description:

"Diffusers of EDFL / B-FL serie can be exclusively used for air extraction in environments that also have very large surfaces, but with relatively limited heights. They have a filter inside and the fixing is by magnets and they are used to extract the air from offices, open spaces, banks, large halls of hotels, business centers, shops, courts, etc.

They are built using extruded aluminium profiles to obtain an highly aerodynamic and aesthetically pleasing design, with standard lengths of 800-1000-1500- 2000 mm for a minimum of 3 and a maximum of 4 slots. The standard painting is RAL 9016 and, on request, they can be painted with other colours, with powders based on epoxy resins placed electrostatically and dried in the oven. This kind of painting is resistant to any impact and abrasion, and maintains its aesthetic characteristics over time. The fixing of the diffuser to the plenum is carried out using non-visible mounting bridges. The diffusers are provided with special tabs inside the fins pack that allow a "book opening" to replace the filter without dismantle the whole diffuser.

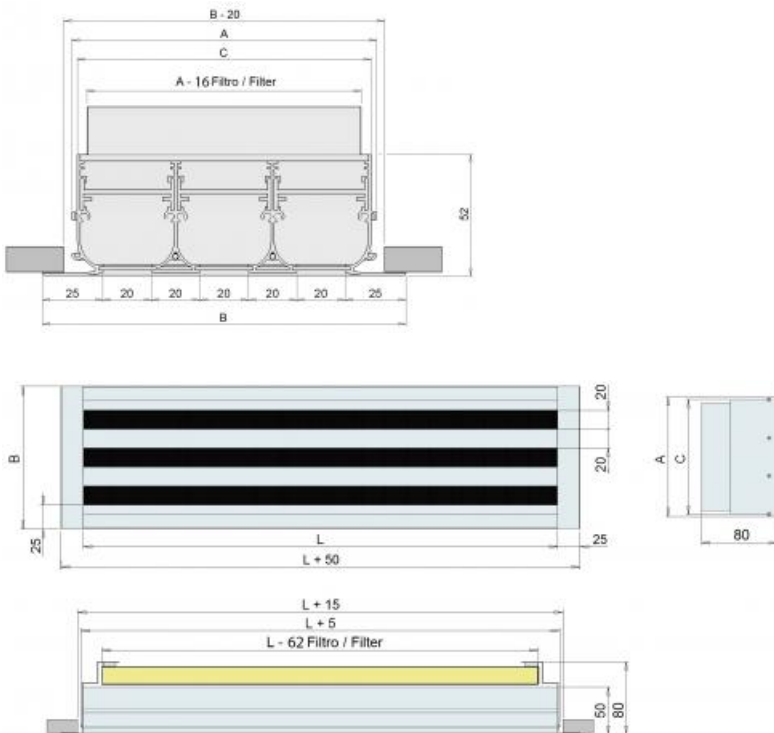
### Charateristics:

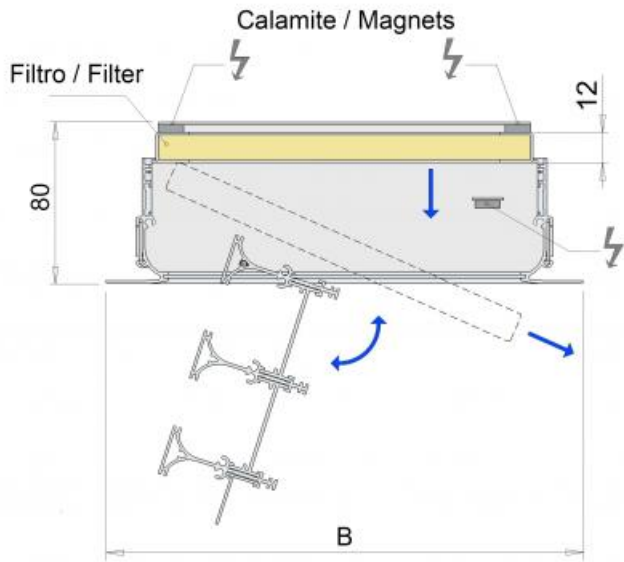
Material: aluminum

Standard surface finish: White RAL 9016 painting

Fixing: by mounting bridges.

Installation height: from 2.5 to 3.1 m





**Standard Lengths:**

L (mm)	No. of slots
800	3 + 4
1000	3 + 4
1500	3 + 4
2000	3 + 4

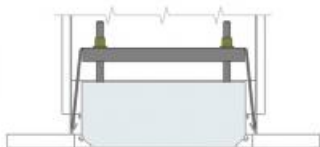
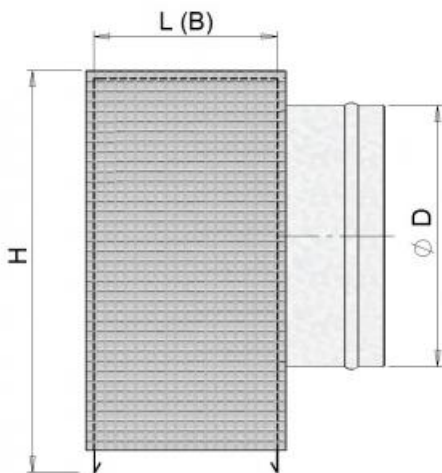
**Diffuser dimensions:**

No. of slots	A mm	B mm	C mm
3	126	150	121
4	166	190	161

**Plenum, fixing and material construction:**

- Material: galvanized steel
- Accessories: insulation, side connection for flexible conduit
- Fixing: with mounting bridges

Number slot	Ø D mm	H mm	L (B) mm	Number of connections	
				length 800 - 1000	length 1500 - 2000
3	198	300	138	1	2
4	198	300	178	1	2



**Operating data:**

No. of slots	Air speed m/s	Air flow rate m <sup>3</sup> /h			
		Length 800 mm	Length 1000 mm	Length 1500 mm	Length 2000 mm
3	1,5	440	560	855	1150
	2	590	745	1140	1540
4	1,5	600	760	1165	1570
	2	800	1015	1555	2095