

Orion-LØV with Luna plenum box



APPLICATION

The Luna plenum box is recommended for improved sound attenuation, and works as an adjustment and measurement unit. Luna is a rectangular box fitted with a removable damper which provides access to the connecting duct. The damper can be secured in any position required.

DESIGN

The Luna plenum box features a damper and measuring outlet for commissioning. It is insulated with a sound absorber in polyester and is available with one or two dimensional changes between inlet and outlet. Furthermore, the box can be delivered with external condensation insulation. **A low-profile design [UI]** is also available, and **for this type a reduction in capacity of approx. 20% will apply.** The distance between valve and box can be increased by up to 35 cm without extending the wire and measuring tube.

MATERIALS AND SURFACE COATING

Luna is supplied a galvanised finish and with all four internal walls lined with sound absorber in polyester. The spigot is fitted with an EPDM rubber gasket..

QUICK SELECTION

Orion-LØV Dim.	Luna Dim.	[m³/h]		
		25 dB(A)	30 dB(A)	35 dB(A)
125	100-125	83	97	115
	125-125	76	90	108
160	100-160	86	130	162
	125-160	97	126	158
200	160-160	130	155	184
	125-200	104	151	198
250	160-200	166	198	234
	200-200	166	202	241
315	160-250	162	216	270
	200-250	216	270	328
400	250-250	274	317	367
	200-315	212	295	396
400	250-315	335	407	500
	315-315	396	446	518
400	250-400	353	472	594
	315-400	468	544	648

Table 3: The table provides air flow rates at given sound power levels and 30 Pa total pressure loss..

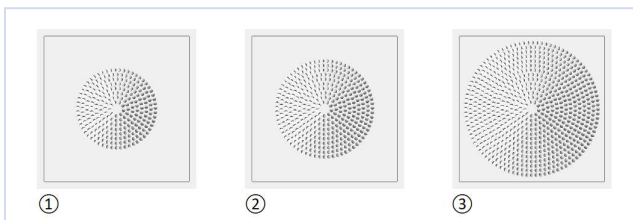


Fig. 4, Ventilation pattern depends on dimension.

DIMENSIONS AND WEIGHT, Luna

Dim.	D	DA	B	H	H1	L	L1	L2	Weight (kg) w/Luna
100-125	99	127	220	122	228	325	292	127	2,3
100-160	99	162	220	122	228	360	309	145	2,4
125-125	124	127	250	147	253	360	334	145	2,4
125-160	124	162	250	147	253	360	334	145	2,9
125-200	124	202	250	147	253	400	354	165	3,1
160-160	159	162	340	182	288	403	390	167	4,1
160-200	159	202	340	182	288	403	390	167	4,2
160-250	159	252	340	182	288	453	415	192	4,6
200-200	199	202	380	222	328	453	457	190	5,7
200-250	199	252	380	222	328	453	457	190	5,7
200-315	199	317	380	222	328	515	487	222	6,1
250-250	249	252	390	272	378	515	537	222	7,4
250-315	249	317	390	272	378	515	537	222	7,4
250-400	249	402	500	272	378	600	579	265	9,1
315-315	314	317	500	337	443	600	654	255	10,7
315-400	314	402	500	337	443	600	644	265	10,7

Table 4

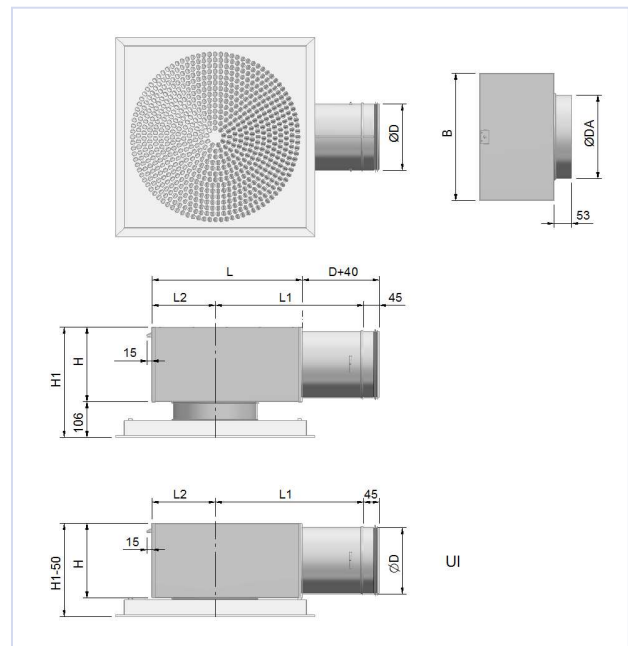


Fig. 3

- ① Valve pattern for dim. 125.
- ② Valve pattern for dim. 160 and 200.
- ③ Valve pattern for dim. 250, 315 and 400.