

KLD-Q-PANEL



Catalogue Series KFD-KLD



Square diffuser

Product description

Four ways supply square diffuser, suitable for variable and constant air volume, KOOLAIR, model **KLD-Q-PANEL**, of dimensions 595x595 mm, with _ number of slot/s (1 to 4). Frame made in extruded aluminium and central core panelled like the false ceiling. Finished painted in any RAL colour upon request. It incorporates connection plenum box made in galvanised steel sheet. It is possible to manufacture it in other dimensions. Recommended installation height between 2.5 and 4 m.

Other models

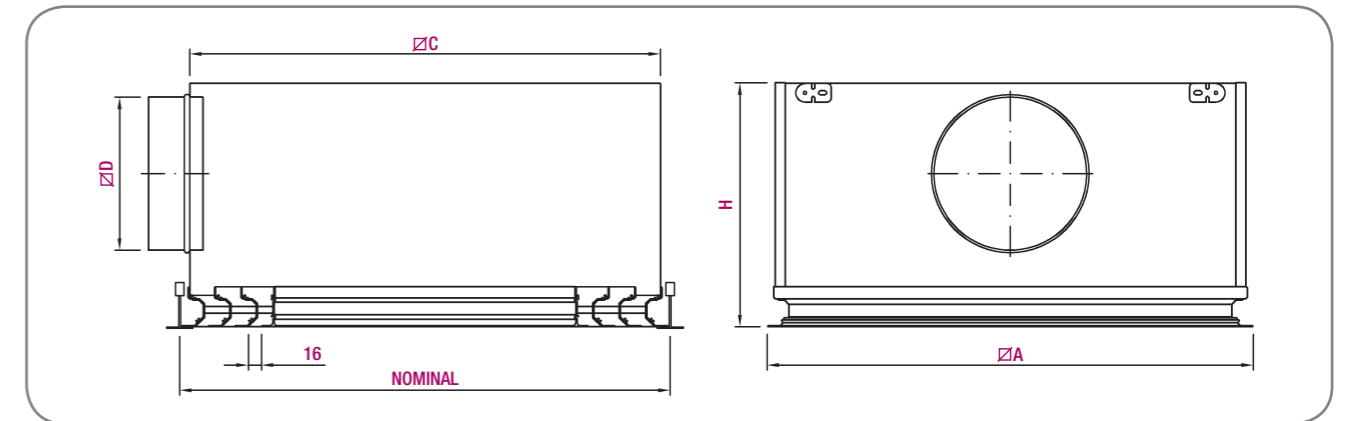
KLD-Q. Four ways diffuser of 1 to 4 slots, central core made in steel sheet painted in RAL colour upon request.
KLD-Q-FLASH. Four ways diffuser of 2 slots, with luminaires integrated at the central core.

Mounting

PFL. Side connection plenum box made in galvanised steel sheet.
PFL-A. Side connection plenum box internally insulated made in galvanised steel sheet.
PFS. Top connection plenum box made in galvanised steel sheet.
PFS-A. Top connection plenum box internally insulated made in galvanised steel sheet.

Note: For accessible volume control damper from the room please ask specifically on order.

General dimensions



Custom plenums available to suit reduced heights above false ceilings.

Nominal	N. of slots	Ø D	A	C	H
600 x 600	1	199	595	586	320
	2, 3 and 4	249			
675 x 675	1	199	670	661	320
	2, 3 and 4	249			

Unit mm

Selection table (600x600 mm)

N. of slots	Q (m³/h)	L _{wa} [dB(A)]	ΔP _t (Pa)	X (m)	V _k (m/s)
1	270	24	9	2,7	1,5
	400	32	20	4,0	2,3
	580	40	43	5,8	3,3
2	350	24	5	2,0	1,5
	520	32	12	3,0	2,2
3	420	24	4	1,7	1,5
	620	32	8	2,6	2,2
4	900	40	17	3,6	3,3
	450	24	3	0,9	1,6
	650	32	7	1,3	2,3
	975	40	15	2,0	3,5

LEGEND

Q (m³/h): Air flow.
 L_{wa} [dB(A)]: Sound power level.
 ΔP_t (Pa): Total pressure loss.
 X (m): Throw for a maximum velocity of 0.25 m/s at the occupied zone
 ΔT = 0 °C (isothermal conditions), installed at a height of 3m.
 V_k (m/s): Effective velocity.

