



**CIRCULAR DIFFUSERS WITH
ADJUSTABLE CONES IN ABS**

**KU 2
SERIES**

OVERVIEW

OVERVIEW : The KU 2 series diffusers represent the evolution in the research of new materials and in the improvement in the functionality diffusers with adjustable cones (3 cones) by mean of a micrometric central screw.

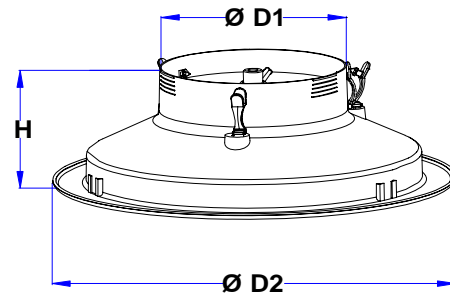
The presence of clips for the flexible duct installation and of slots for the use of special clips for the plaster board ceiling installation, make the KU 2 the quickest diffuser to apply. Furthermore, for modular ceilings, a 595x595 panel is available, same material and colour, to which the KU 2 is easily and quickly fixed to.

MATERIALS : The KU 2 series are made from antistatic ABS, with flame retardant and anti drip (it does not produce hot melted plastic drips). Resistant to UV rays and UL94 V0 certified.

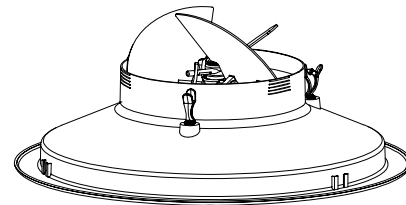
FINISHING : RAL 9010.

INSTALLATION : on plaster board ceiling, fixing to flexible duct with the special clips. For use on modular ceilings, the diffuser is simply fixed to the panel and inserted into the ceiling structure.

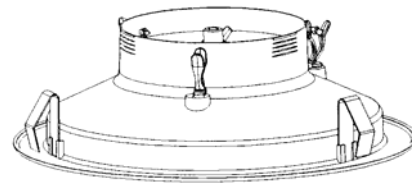
BASIC MODEL



VERSION WITH DAMPER



Accessory:
Clips for plasterboard ceiling
Code KU-KE (set of 3 pieces)



DIMENSIONS:

Model	Ø D1 [mm]	Ø D2 [mm]	H [mm]
KU 2 - 160	155	335	104
KU 2 - 200	196	423	118
KU 2 - 250	246	517	130

HOLE DIAMETER REQUIRED		
KU2 160	KU2 200	KU2 250
Ø310 mm	Ø395 mm	Ø490 mm



CIRCULAR DIFFUSERS WITH ADJUSTABLE CONES IN ABS

KU 2
SERIES

PERFORMANCES

KU 2 160

V_k [m/s]	2	3	4	5	6	7	8	9	10
X [m]	0,8	1,2	1,6	2,0	2,2	2,8	3,2	3,6	4,2
Q [m ³ /h]	142	213	284	355	426	496	567	638	709
Δp [Pa]	8	16	27	41	57	75	96	119	144
L [dB(A)]	< 20	25	30	35	40	45	50	55	> 55

The throw values are valid for a terminal velocity of 0,37 m/s at room temperature.

The pressure drop is valid for both diffusers with or without fully opened damper.

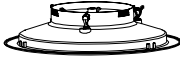
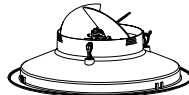

For the sound pressure values L_p , a 10 dB attenuation values was taken into consideration.

KU 2 200

V_k [m/s]	2	3	4	5	6	7	8	9	10
X [m]	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Q [m ³ /h]	217	326	435	543	652	760	869	978	1086
Δp [Pa]	7	15	25	38	53	70	89	110	134
L [dB(A)]	< 20	25	30	35	40	45	50	55	> 55

KU 2 250

V_k [m/s]	2	3	4	5	6	7	8	9	10
X [m]	1,1	1,6	2,2	2,7	3,3	3,8	4,4	4,9	5,5
Q [m ³ /h]	333	499	665	831	998	1164	1330	1496	1663
Δp [Pa]	7	14	24	35	49	65	83	103	124
L [dB(A)]	< 20	25	30	35	40	45	50	55	> 55

	KU 2	KU2S	KU 2 - PE
MODEL			
	Circular diffuser with adjustable cones in ABS	Circular diffuser with adjustable cones in ABS with damper included and RAL 9010 ABS control.	Fixing panel for KU 2
160	X	X	X
200	X	X	X
250	X	X	X

KU 2 Circular diffuser with adjustable cones in ABS in RAL 9010 finish

KU2S Circular diffuser with adjustable cones in ABS with damper included and RAL 9010 ABS control.

KU2-PE Fixing panel for KU 2

SB Damper

??? Nominal diameter

Example: KU 2S 200 Circular diffuser with adjustable cones in ABS in RAL 9010 finish complete with damper nominal diameter 200 mm.