



Monodraught are the recognised market leaders in ultra-low carbon, low energy solutions for Natural Ventilation, Natural Cooling and Natural Lighting.

WINDCATCHER[®], **SUNPIPE**[®] and **COOL-PHASE**[®] brands are synonymous with quality and innovation (ISO9001 & 14001) and are supported by our market leading design service.

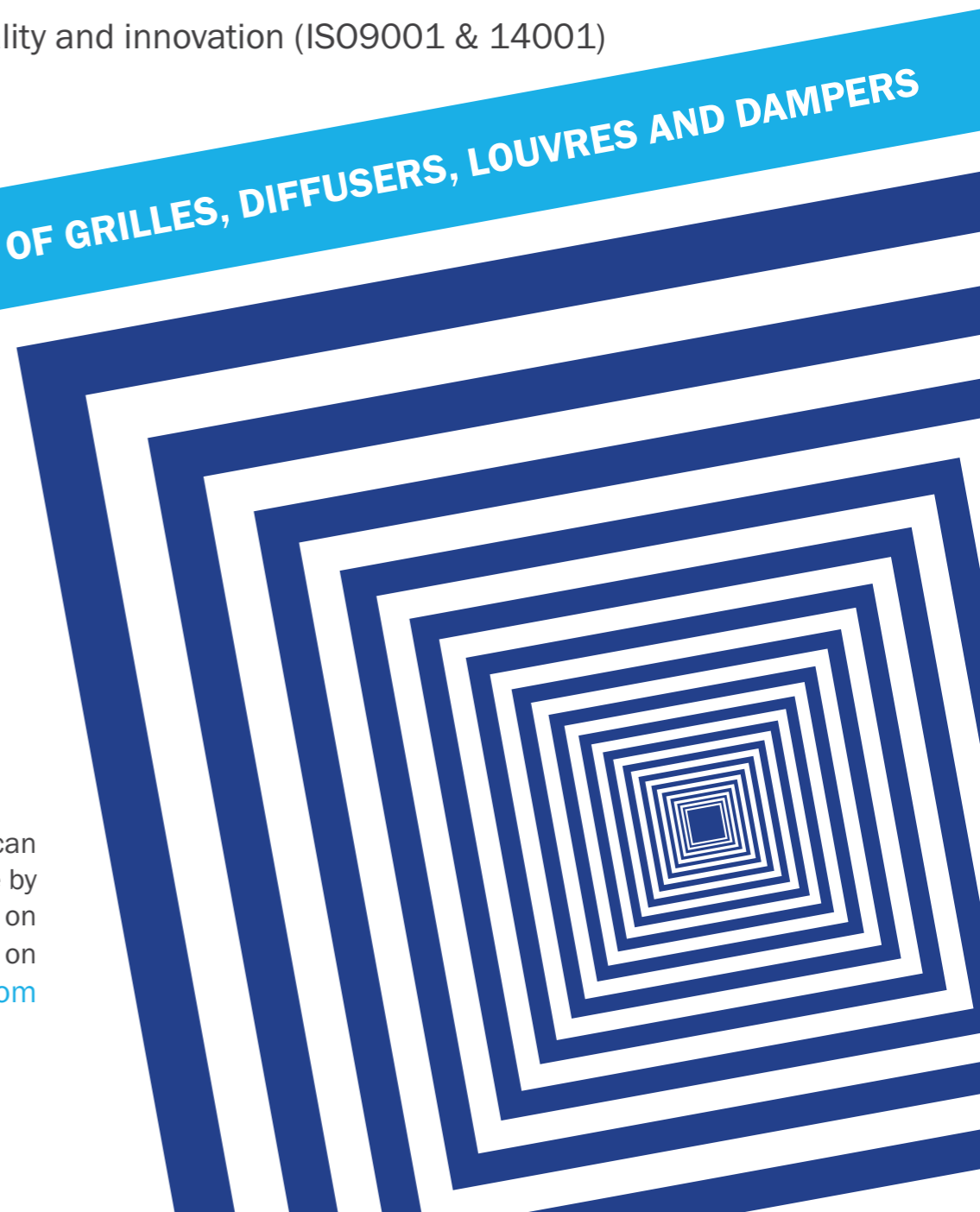
Air-Precision is an addition to Monodraught's portfolio including grilles, diffusers, external louvres and volume control dampers.

PRODUCT RANGE OF GRILLES, DIFFUSERS, LOUVRES AND DAMPERS

We are supporting this range with:

- £1 million of fast moving stock
- Bespoke manufacture with any standard RAL colour within 5 days
- 15 dedicated selection experts
- Designed with industry leading software
- Belimo actuators used throughout
- AA5 anodisation (ISO7599) utilised
- Market leading quality fully supported by a **10 year guarantee**

We are confident that we can beat any quotation you have by 10% so please contact us on **01494897700** or email us on air-precision@monodraught.com



Louvre Faced Ceiling Diffusers - CD



Used in countless installations throughout the world, louvre faced ceiling diffusers are a consistently popular product, well regarded due to their architectural appearance and high performance diffusion characteristics.

Air-Precision Series CD ceiling diffusers make use of lightweight aluminium extrusions with fully mitred corners and are of a higher quality than many cheaper pressed units.

Materials:

- Extruded aluminium frame and blades

Construction:

- Fully welded with pressed in corners in frames
- Blade rings crimped onto aluminium tubes

Options

Size:

- Minimum: 100 mm x 50 mm
- Maximum: 2900 mm x 2900 mm
- Sizes given for Series CD diffusers are taken to be neck size (not nominal) unless stated

Damper:

- D: Opposed blade damper fitted

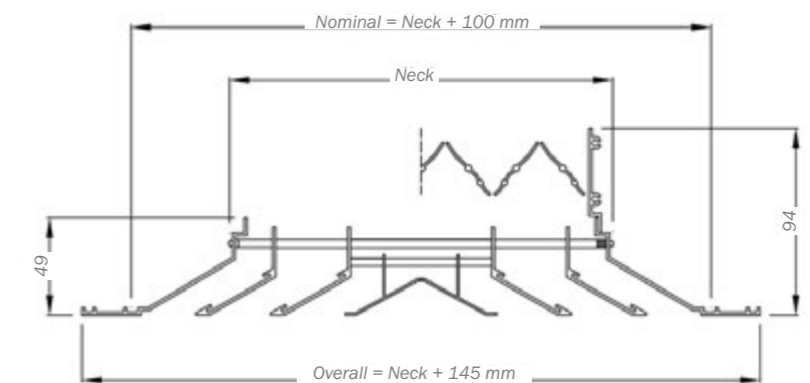
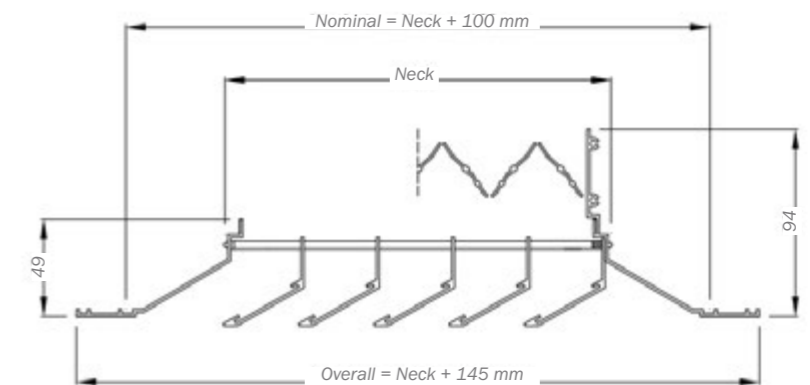
Mass/m² face area:

- 8.5 kg
- 16.5 kg including opposed blade damper (optional)

Series:

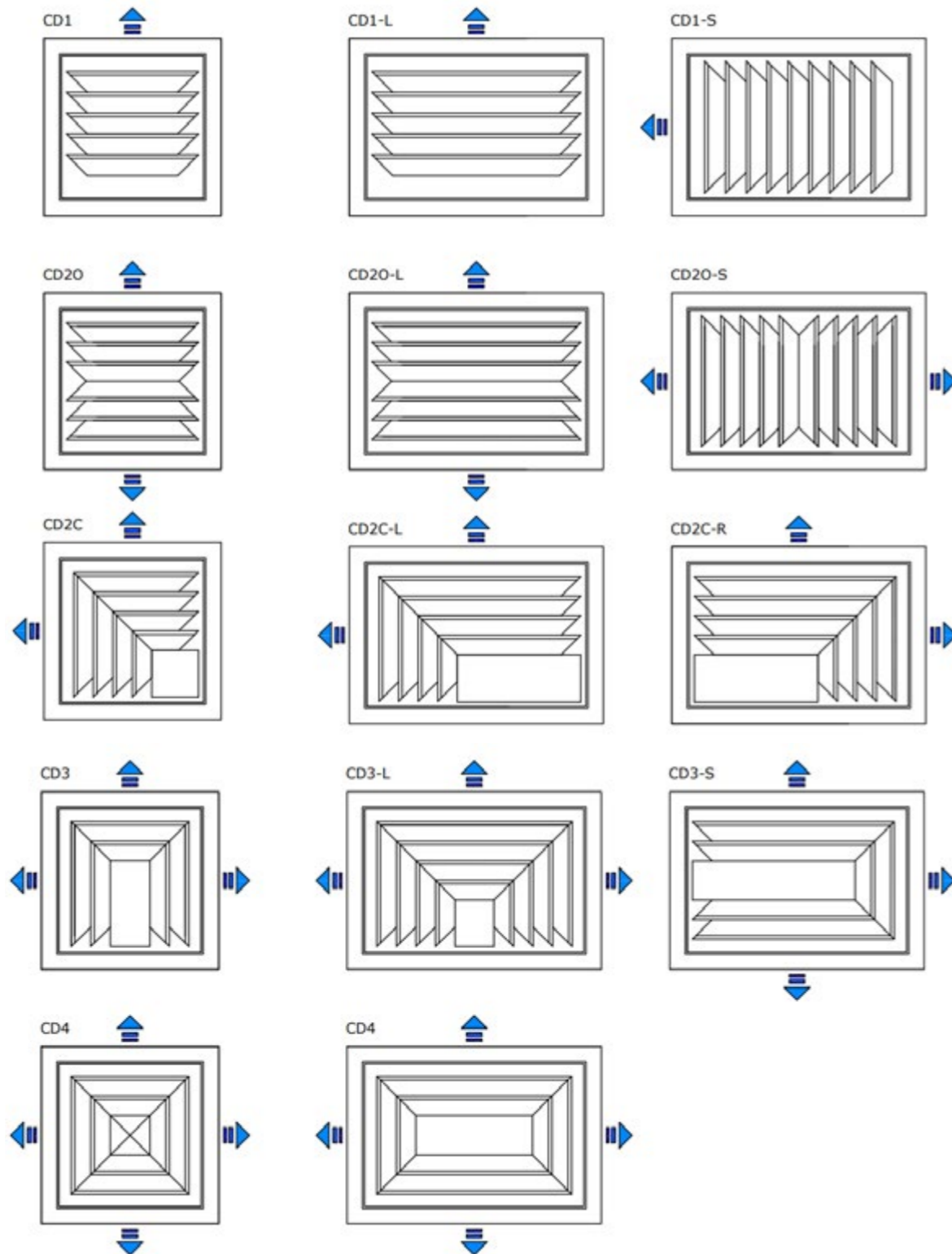
- CD1: Louvre faced ceiling diffuser - 1 way blow
- CD20: Louvre faced ceiling diffuser - 2 way opposed blow
- CD2C: Louvre faced ceiling diffuser - 2 way corner blow
- CD3: Louvre faced ceiling diffuser - 3 way blow
- CD4: Louvre faced ceiling diffuser - 4 way blow

Technical Drawings:



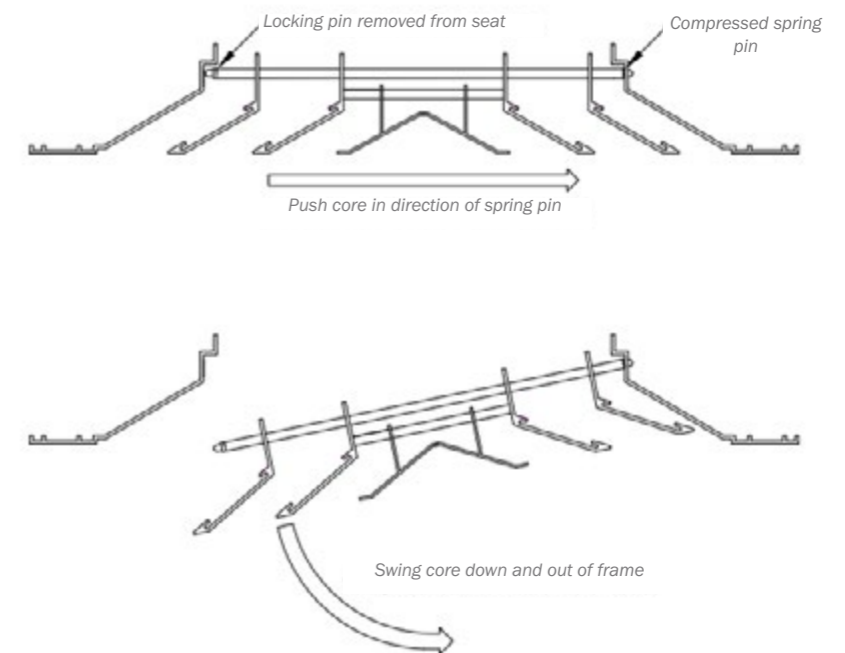
Louvre Faced Ceiling Diffusers - CD

Core Formats



Core Type:

- **Fixed**
- **Removable**
Series CD louvre faced diffusers are equipped with removable cores on all units below or equal to 650 mm x 650 mm neck size. Cores are removable by pushing the core to one side to compress spring pins. Above this size, cores will be fixed into the outer frame for safety. All removable cores are equipped with safety wire to prevent the core being able to fall away from the outer frame entirely.



Louvre Faced Ceiling Diffusers - CD

Fixings

- **Countersunk Face Fixing Holes - FH**

5.7 mm countersunk fixing holes will be punched into the diffuser frame before coating, allowing quick and easy fitting on site.

Number and layout of fixing holes will be appropriate to diffuser size.

Supplied with pozidrive self tapping screws in the same finish as the diffuser.



- **Burgess - BT**

The diffuser will be factory fitted into a burgess tile.

Fitting involves clipping the tile into place in a prefitted burgess clip system.

CD diffusers can be fitted into other ceiling tile systems.



Stock Sizes:

STOCK - RAL9010 Finish and STOCK C/W OPPOSED BLADE DAMPER - RAL9010 Finish :

H	WIDTH							
	150	200	225	250	300	375	495 O/A	595 O/A
150								
200								
225								
250								
300								
375								
495 O/A								
595 O/A								

MANUFACTURED and MANUFACTURED C/W OPPOSED BLADE DAMPER:

H	WIDTH								
	150	225	300	375	450	525	600	750	900
150									
225									
300									
375									
450									
525									
600									

Louvre Faced Ceiling Diffusers - CD

Selection Data:

CD1							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
150 x 150	0.0097	m cub/sec	0.0361	0.0472	0.0597	0.0708	0.0833
		Throw min - max (m)	0.9 - 2.4	1.2 - 2.8	1.5 - 3.0	2.2 - 3.4	2.5 - 3.7
		Noise (dB)			20	24	28
225 x 225	0.0219	m cub/sec	0.0805	0.1069	0.1319	0.1611	0.1861
		Throw min - max (m)	1.5 - 3.7	2.1 - 4.3	2.4 - 4.6	3.1 - 5.2	3.7 - 5.5
		Noise (dB)		20	25	29	32
300 x 300	0.039	m cub/sec	0.1416	0.1888	0.2361	0.2833	0.3305
		Throw min - max (m)	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.3
		Noise (dB)		23	28	32	35
375 x 375	0.0609	m cub/sec	0.2222	0.2958	0.368	0.4444	0.5166
		Throw min - max (m)	2.5 - 6.1	3.4 - 7.0	4.3 - 8.0	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		25	30	34	37

CD1 - S							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
225 x 150	0.0097	m cub/sec	0.0541	0.0708	0.0902	0.1069	0.125
		Throw min - max (m)	1.8 - 4.3	2.4 - 4.9	3.0 - 5.5	3.3 - 5.8	3.9 - 6.4
		Noise (dB)			23	27	30
300 x 225	0.0219	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m)	2.4 - 5.8	3.3 - 6.7	3.9 - 7.6	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		22	27	30	34
375 x 300	0.039	m cub/sec	0.1777	0.2361	0.2958	0.3541	0.4138
		Throw min - max (m)	3.1 - 7.6	4.3 - 8.8	5.2 - 9.8	6.4 - 10.9	7.3 - 11.6
		Noise (dB)		24	29	33	36

CD1 - L							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
225 x 150	0.0147	m cub/sec	0.0541	0.0708	0.0902	0.1069	0.125
		Throw min - max (m)	1.8 - 4.3	2.4 - 4.9	3.0 - 5.5	3.3 - 5.8	4.0 - 6.4
		Noise (dB)			23	27	30
300 x 150	0.0195	m cub/sec	0.0708	0.0944	0.118	0.1416	0.1652
		Throw min - max (m)	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.3
		Noise (dB)			24	28	32
375 x 150	0.0244	m cub/sec	0.0902	0.118	0.1486	0.1777	0.2083
		Throw min - max (m)	2.2 - 5.5	3.0 - 6.4	3.7 - 7.0	4.6 - 7.6	5.2 - 8.3
		Noise (dB)		20	26	29	33
450 x 150	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m)	2.5 - 5.8	3.4 - 6.7	4.0 - 7.6	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		22	27	30	34
300 x 225	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m)	2.5 - 5.8	3.4 - 6.7	4.0 - 7.6	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		22	27	30	34
375 x 225	0.0367	m cub/sec	0.1319	0.1763	0.2222	0.2666	0.3125
		Throw min - max (m)	2.8 - 6.7	3.7 - 7.6	4.6 - 8.6	5.5 - 9.5	6.4 - 10.0
		Noise (dB)		22	27	32	35
525 x 225	0.0511	m cub/sec	0.1861	0.2486	0.3097	0.3708	0.4319
		Throw min - max (m)	3.4 - 8.0	4.3 - 9.2	5.5 - 10.0	6.4 - 11.0	7.7 - 11.9
		Noise (dB)		24	29	33	37
375 x 300	0.0487	m cub/sec	0.1777	0.2361	0.2958	0.3541	0.4138
		Throw min - max (m)	3.1 - 7.6	4.3 - 8.9	5.2 - 9.8	6.4 - 11.0	7.3 - 11.6
		Noise (dB)		24	29	33	36
450 x 300	0.0585	m cub/sec	0.2125	0.2833	0.3541	0.425	0.4958
		Throw min - max (m)	3.4 - 8.6	4.6 - 9.8	5.8 - 11.0	7.1 - 11.9	8.0 - 12.8
		Noise (dB)		25	30	33	37
525 x 300	0.0683	m cub/sec	0.2486	0.3305	0.4138	0.4958	0.5791
		Throw min - max (m)	3.7 - 9.2	4.9 - 10.4	6.1 - 11.6	7.4 - 12.8	8.9 - 13.7
		Noise (dB)	20	26	30	34	37

Louvre Faced Ceiling Diffusers - CD

CD20							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
150 x 150	0.0097	m cub/sec	0.0361	0.0472	0.0597	0.0708	0.0833
		Throw min - max (m)	0.9 - 2.4	1.2 - 2.8	1.5 - 3.0	2.2 - 3.4	2.5 - 3.7
		Noise (dB)			20	24	28
225 x 225	0.0219	m cub/sec	0.0805	0.1069	0.1319	0.1611	0.1861
		Throw min - max (m)	1.5 - 3.7	2.1 - 4.3	2.4 - 4.6	3.1 - 5.2	3.7 - 5.5
		Noise (dB)		20	25	29	32
300 x 300	0.039	m cub/sec	0.1416	0.1888	0.2361	0.2833	0.3305
		Throw min - max (m)	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.3
		Noise (dB)		23	28	32	35
375 x 375	0.0609	m cub/sec	0.2222	0.2958	0.368	0.4444	0.5166
		Throw min - max (m)	2.5 - 6.1	3.4 - 7.0	4.3 - 8.0	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		25	30	34	37
450 x 450	0.0878	m cub/sec	0.3194	0.425	0.5319	0.6375	0.7444
		Throw min - max (m)	3.1 - 7.3	4.0 - 8.6	4.9 - 9.5	6.1	7.1 - 11.0
		Noise (dB)	21	27	32	35	39
525 x 525	0.12	m cub/sec	0.4347	0.5791	0.7222	0.8694	1.0138
		Throw min - max (m)	3.4 - 8.6	4.6 - 9.8	5.8 - 11.0	7.1 - 11.9	8.3 - 12.8
		Noise (dB)	22	28	34	37	41

CD20 - S							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
225 x 150	0.0097	m cub/sec	0.0361	0.0472	0.0597	0.0708	0.0833
		Throw min - max (m)	0.9 - 2.4	1.2 - 2.8	1.5 - 3.0	2.2 - 3.4	2.5 - 3.7
		Noise (dB)			20	24	28
300 x 150	0.0195	m cub/sec	0.0708	0.0944	0.118	0.1416	0.1652
		Throw min - max (m)	1.5 - 4.3	1.8 - 4.0	2.4 - 4.3	2.7 - 4.9	3.3 - 5.2
		Noise (dB)			24	28	32
300 x 225	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m)	1.8 - 4.3	2.4 - 4.9	3.0 - 5.5	3.3 - 5.8	3.9 - 6.4
		Noise (dB)		22	27	30	34
375 x 225	0.0367	m cub/sec	0.1319	0.1777	0.2222	0.2666	0.3125
		Throw min - max (m)	1.8 - 4.6	2.4 - 5.5	3.3 - 6.1	3.9 - 6.7	4.5 - 7.3
		Noise (dB)		22	27	32	35
375 x 300	0.0487	m cub/sec	0.1777	0.2361	0.2958	0.3541	0.4138
		Throw min - max (m)	2.8 - 5.5	3.2 - 6.4	4.0 - 7.0	4.6 - 8.0	5.2 - 8.6
		Noise (dB)		24	29	33	36

CD20 - L							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
225 x 150	0.0147	m cub/sec	0.0541	0.0708	0.0902	0.1069	0.125
		Throw min - max (m)	1.2 - 3.1	1.5 - 3.4	2.1 - 4.0	2.4 - 4.2	2.7 - 4.6
		Noise (dB)			23	27	30
300 x 150	0.0195	m cub/sec	0.0708	0.0944	0.118	0.1416	0.1652
		Throw min - max (m)	1.5 - 3.4	1.8 - 4.0	2.4 - 4.3	2.7 - 4.9	3.3 - 5.2
		Noise (dB)			24	28	32
375 x 150	0.0244	m cub/sec	0.0902	0.118	0.1486	0.1777	0.2083
		Throw min - max (m)	1.5 - 4.3	2.1 - 4.9	2.7 - 5.2	3.0 - 5.8	3.6 - 6.4
		Noise (dB)		20	26	29	33
450 x 150	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m)	1.8 - 4.3	2.4 - 4.9	3.0 - 5.5	3.3 - 5.8	4.0 - 6.4
		Noise (dB)		22	27	30	34
300 x 225	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m)	1.8 - 4.3	2.4 - 4.9	3.0 - 5.5	3.3 - 5.8	4.0 - 6.4
		Noise (dB)		22	27	30	34
375 x 225	0.0367	m cub/sec	0.1319	0.1763	0.2222	0.2666	0.3125
		Throw min - max (m)	1.8 - 4.6	2.4 - 5.5	3.4 - 6.1	4.0 - 6.7	4.6 - 7.4
		Noise (dB)		22	27	32	35
525 x 225	0.0511	m cub/sec	0.1861	0.2486	0.3097	0.3708	0.4319
		Throw min - max (m)	2.8 - 5.5	3.1 - 6.4	4.0 - 7.0	4.6 - 8.0	5.2 - 8.6
		Noise (dB)		24	29	33	37
375 x 300	0.0487	m cub/sec	0.1777	0.2361	0.2958	0.3541	0.4138
		Throw min - max (m)	2.8 - 5.5	3.1 - 6.4	4.0 - 7.0	4.6 - 8.0	5.2 - 8.6
		Noise (dB)		24	29	33	36
450 x 300	0.0585	m cub/sec	0.2125	0.2833	0.3541	0.425	0.4958
		Throw min - max (m)	2.5 - 5.8	3.4 - 6.7	4.0 - 7.6	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		25	30	33	37
525 x 300	0.0683	m cub/sec	0.2486	0.3305	0.4138	0.4958	0.5791
		Throw min - max (m)	2.7 - 6.4	3.7 - 7.3	4.3 - 8.3	5.2 - 9.2	6.1 - 9.8
		Noise (dB)	20	26	30	34	37
450 x 375	0.0732	m cub/sec	0.2666	0.3451	0.4444	0.5336	0.6208
		Throw min - max (m)	2.8 - 6.7	3.7 - 7.7	4.6 - 8.6	5.5 - 9.5	6.4 - 10.1
		Noise (dB)	20	26	31	35	38

Louvre Faced Ceiling Diffusers - CD

CD2C							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
150 x 150	0.0097	m cub/sec	0.0361	0.0472	0.0597	0.0708	0.0833
		Throw min - max (m)	0.9 - 2.5	1.2 - 2.8	1.6 - 3.0	2.2 - 3.4	2.5 - 3.7
		Noise (dB)			20	24	28
225 x 225	0.0219	m cub/sec	0.0805	0.1069	0.1319	0.1611	0.1875
		Throw min - max (m)	1.6 - 3.7	2.2 - 4.3	2.5 - 4.6	3.0 - 5.2	3.4 - 5.5
		Noise (dB)		20	25	29	32
300 x 300	0.039	m cub/sec	0.1416	0.1888	0.2361	0.2833	0.3305
		Throw min - max (m)	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.4
		Noise (dB)		23	28	32	35
375 x 375	0.0609	m cub/sec	0.2222	0.2958	0.3694	0.4444	0.518
		Throw min - max (m)	2.5 - 6.1	3.4 - 7.1	4.3 - 8.0	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		25	30	34	37
450 x 450	0.0878	m cub/sec	0.3194	0.425	0.5319	0.6375	0.7444
		Throw min - max (m)	3.1 - 7.4	4.0 - 8.6	4.9 - 9.5	6.1 - 10.4	7.1 - 11.0
		Noise (dB)	21	27	32	35	39

CD2C - L / CD2C - R							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
225 x 150	0.0147	m cub/sec	0.0541	0.0708	0.0902	0.1069	0.125
		Throw min - max (m) Shorter Side	0.9 - 2.5	1.3 - 2.8	1.9 - 3.1	2.2 - 3.4	2.5 - 3.7
		Throw min - max (m) Longer Side	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4
		Noise (dB)			23	27	30
300 x 150	0.0195	m cub/sec	0.0708	0.0944	0.118	0.1416	0.1652
		Throw min - max (m) Shorter Side	0.9 - 2.5	1.3 - 2.8	1.9 - 3.1	2.2 - 3.4	2.5 - 3.7
		Throw min - max (m) Longer Side	1.9 - 4.3	2.5 - 4.9	2.8 - 5.5	3.4 - 5.8	4.0 - 6.4
		Noise (dB)			24	28	32
375 x 150	0.0244	m cub/sec	0.0902	0.118	0.1486	0.1777	0.2083
		Throw min - max (m) Shorter Side	0.9 - 2.5	1.3 - 2.8	1.9 - 3.1	2.2 - 3.4	2.5 - 3.7
		Throw min - max (m) Longer Side	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.4
		Noise (dB)		20	26	29	33
300 x 225	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m) Shorter Side	1.6 - 3.7	1.9 - 4.3	2.5 - 4.6	3.1 - 5.2	3.4 - 5.5
		Throw min - max (m) Longer Side	2.2 - 4.6	2.8 - 5.5	3.4 - 6.1	4.0 - 6.7	4.6 - 7.3
		Noise (dB)		22	27	30	34
375 x 225	0.0367	m cub/sec	0.1319	0.1777	0.2222	0.2666	0.3125
		Throw min - max (m) Shorter Side	1.6 - 3.7	1.9 - 4.3	2.5 - 4.6	3.1 - 5.2	3.4 - 5.5
		Throw min - max (m) Longer Side	2.2 - 5.5	3.1 - 6.4	3.7 - 7.0	4.6 - 8.0	5.5 - 8.6
		Noise (dB)		22	27	32	35
375 x 300	0.0487	m cub/sec	0.1777	0.2361	0.2958	0.3541	0.4138
		Throw min - max (m) Shorter Side	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.4
		Throw min - max (m) Longer Side	2.5 - 5.8	3.4 - 6.7	4.0 - 7.6	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		24	29	33	36
450 x 300	0.0585	m cub/sec	0.2125	0.2833	0.3541	0.425	0.4958
		Throw min - max (m) Shorter Side	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.3
		Throw min - max (m) Longer Side	2.8 - 6.7	3.7 - 8.0	4.6 - 8.9	5.8 - 9.8	6.7 - 10.4
		Noise (dB)		25	30	33	37
450 x 375	0.0732	m cub/sec	0.2666	0.3451	0.4444	0.5333	0.6208
		Throw min - max (m) Shorter Side	2.5 - 6.1	3.4 - 7.0	4.3 - 8.0	4.9 - 8.6	5.8 - 9.2
		Throw min - max (m) Longer Side	3.1 - 7.0	4.0 - 8.3	4.9 - 9.2	5.8 - 10.1	7.0 - 11.0
		Noise (dB)	20	26	31	35	38

Louvre Faced Ceiling Diffusers - CD

CD3							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
150 x 150	0.0097	m cub/sec	0.0361	0.0472	0.0597	0.0708	0.0833
		Throw min - max (m)	0.7 - 1.6	0.9 - 1.9	1.3 - 2.2	1.6 - 2.5	1.6 - 2.8
		Noise (dB)					19
225 x 225	0.0219	m cub/sec	0.0805	0.1069	0.1319	0.1611	0.1861
		Throw min - max (m)	1.3 - 2.5	1.6 - 3.1	1.9 - 3.4	2.2 - 3.7	2.5 - 4.0
		Noise (dB)				23	27
300 x 300	0.039	m cub/sec	0.1416	0.1888	0.2361	0.2833	0.3305
		Throw min - max (m)	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.9 - 4.9	3.4 - 5.2
		Noise (dB)		20	25	29	32
375 x 375	0.0609	m cub/sec	0.2222	0.2958	0.368	0.4444	0.5166
		Throw min - max (m)	1.9 - 4.3	2.2 - 4.9	3.1 - 5.5	3.7 - 6.1	4.3 - 6.4
		Noise (dB)		24	29	33	37
450 x 450	0.0878	m cub/sec	0.3194	0.425	0.5319	0.6375	0.7444
		Throw min - max (m)	2.2 - 5.2	2.8 - 5.8	3.7 - 6.7	4.3 - 7.4	4.9 - 8.0
		Noise (dB)	22	28	33	36	40
525 x 525	0.12	m cub/sec	0.4347	0.5791	0.7222	0.8694	1.0138
		Throw min - max (m)	2.5 - 6.1	3.4 - 7.1	4.3 - 7.7	4.9 - 8.6	5.8 - 9.2
		Noise (dB)	25	31	36	39	43
600 x 600	0.156	m cub/sec	0.5666	0.7555	0.9444	11.333	13.222
		Throw min - max (m)	2.8 - 0.7	4.0 - 8.0	4.6 - 4.9	5.8 - 9.8	6.7 - 10.4
		Noise (dB)	27	33	38	43	46

CD3 - S							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
225 x 150	0.0147	m cub/sec	0.0541	0.0708	0.0902	0.1069	0.125
		Throw min - max (m) Front	1.2 - 2.5	1.9 - 4.0	1.9 - 3.4	2.2 - 3.7	3.4 - 5.2
		Throw min - max (m) Sides	0.9 - 2.5	1.3 - 2.8	1.6 - 3.1	1.9 - 3.4	2.2 - 3.7
		Noise (dB)			23	27	30
300 x 150	0.0195	m cub/sec	0.0708	0.0944	0.118	0.1416	0.1652
		Throw min - max (m) Front	1.6 - 6.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4 - 5.2
		Throw min - max (m) Sides	0.9 - 2.5	1.3 - 2.8	1.6 - 3.1	1.9 - 3.4	2.2 - 3.7
		Noise (dB)			24	28	32
375 x 150	0.0244	m cub/sec	0.0902	0.118	0.1486	0.1777	0.2083
		Throw min - max (m) Front	1.9 - 4.3	2.5 - 4.9	3.1 - 5.5	3.4 - 5.8	4.0 - 6.4
		Throw min - max (m) Sides	0.9 - 2.5	1.3 - 2.8	1.9 - 3.1	1.9 - 3.4	2.2 - 3.7
		Noise (dB)		20	26	29	33

CD3 - S Continued							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
450 x 150	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m) Front	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.3
		Throw min - max (m) Sides	0.9 - 2.5	1.3 - 2.8	1.9 - 3.1	1.9 - 3.4	2.2 - 3.7
		Noise (dB)		22	27	30	34
300 x 225	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m) Front	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4 - 5.2
		Throw min - max (m) Sides	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4 - 5.2
		Noise (dB)		22	27	30	34
375 x 225	0.0367	m cub/sec	0.1319	0.1777	0.2222	0.2666	0.3125
		Throw min - max (m) Front	1.9 - 4.3	2.5 - 4.9	3.1 - 5.5	3.7 - 6.1	4.3 - 6.4
		Throw min - max (m) Sides	1.6 - 3.7	1.9 - 4.3	2.5 - 4.6	3.1 - 5.2	3.4 - 5.5
		Noise (dB)		22	27	32	35
525 x 225	0.0511	m cub/sec	0.1861	0.2486	0.3097	0.3708	0.4319
		Throw min - max (m) Front	2.5 - 5.8	3.4 - 6.7	4.0 - 7.7	4.9 - 8.6	5.8 - 6.1
		Throw min - max (m) Sides	1.6 - 3.7	2.2 - 4.3	2.5 - 4.6	3.1 - 5.2	3.4 - 5.5
		Noise (dB)		24	29	33	37
375 x 300	0.0487	m cub/sec	0.1777	0.2361	0.2958	0.3541	0.4138
		Throw min - max (m) Front	1.9 - 4.3	2.5 - 4.9	3.1 - 5.5	3.7 - 6.1	4.3 - 6.4
		Throw min - max (m) Sides	1.9 - 3.4	2.5 - 4.0	3.1 - 4.6	3.7 - 4.9	4.3 - 5.2
		Noise (dB)		24	29	33	36
450 x 300	0.0585	m cub/sec	0.2125	0.2833	0.3541	0.425	0.4958
		Throw min - max (m) Front	2.2 - 5.2	2.8 - 5.8	3.7 - 6.7	4.3 - 7.3	4.9 - 8.0
		Throw min - max (m) Sides	1.9 - 4.6	2.5 - 5.5	3.4 - 6.1	4.0 - 6.7	4.6 - 7.4
		Noise (dB)		25	30	33	37
450 x 375	0.0732	m cub/sec	0.2666	0.3451	0.4444	0.5333	0.6208
		Throw min - max (m) Front	2.5 - 5.5	3.1 - 6.4	4.0 - 7.1	4.6 - 8.0	5.5 - 8.6
		Throw min - max (m) Sides	2.2 - 5.2	2.8 - 5.8	3.7 - 6.7	4.3 - 7.3	4.9 - 8.0
		Noise (dB)	20	26	31	35	38
525 x 450	0.102	m cub/sec	0.3736	0.4958	0.6208	0.7458	0.8694
		Throw min - max (m) Front	2.8 - 6.7	3.7 - 7.7	4.6 - 8.6	5.5 - 9.5	6.4 - 10.1
		Throw min - max (m) Sides	2.5 - 6.1	3.4 - 7.1	4.3 - 7.7	4.9 - 8.6	5.8 - 9.2
		Noise (dB)	22	28	34	37	40

Louvre Faced Ceiling Diffusers - CD

CD3 - L							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
			Total Pd mm w.g.	0.9	1.5	2.3	3.3
225 x 150	0.0147	m cub/sec	0.0541	0.0708	0.0902	0.1069	0.125
		Throw min - max (m) Front	0.7 - 1.9	0.9 - 1.9	1.9 - 3.4	2.2 - 4.0	2.8 - 4.3
		Throw min - max (m) Sides	1.3 - 2.8	1.6 - 3.1	1.9 - 3.4	2.2 - 4.0	2.8 - 4.3
		Noise (dB)			23	27	30
300 x 150	0.0195	m cub/sec	0.0708	0.0944	0.118	0.1486	0.1652
		Throw min - max (m) Front	0.7 - 1.9	0.9 - 1.9	1.3 - 2.2	1.6 - 2.5	1.6 - 2.8
		Throw min - max (m) Sides	1.3 - 3.4	1.9 - 3.7	2.2 - 4.3	2.8 - 4.6	3.2 - 4.9
		Noise (dB)			24	28	32
375 x 150	0.0244	m cub/sec	0.0902	0.118	0.1486	0.1777	0.2083
		Throw min - max (m) Front	0.6 - 1.9	0.9 - 1.9	1.3 - 2.2	1.6 - 2.5	1.6 - 2.8
		Throw min - max (m) Sides	1.6 - 3.7	2.2 - 4.3	2.5 - 4.6	3.1 - 5.2	3.7 - 5.5
		Noise (dB)		20	26	29	33
300 x 225	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m) Front	0.9 - 2.5	1.6 - 3.1	1.9 - 3.4	2.2 - 3.7	2.5 - 4.0
		Throw min - max (m) Sides	1.6 - 3.7	2.2 - 4.3	2.8 - 4.9	3.1 - 5.5	3.7 - 5.8
		Noise (dB)		22	27	30	34
375 x 225	0.0367	m cub/sec	0.1319	0.1777	0.2222	0.2666	0.3125
		Throw min - max (m) Front	0.9 - 2.5	1.6 - 3.1	1.9 - 3.4	2.2 - 3.7	
		Throw min - max (m) Sides	1.9 - 4.3	2.5 - 4.9	3.1 - 5.5	3.6 - 6.1	4.3 - 6.7
		Noise (dB)		22	27	32	35
525 x 225	0.0511	m cub/sec	0.1861	0.2486	0.3097	0.3708	0.4319
		Throw min - max (m) Front	1.3 - 2.5	1.6 - 3.1	1.9 - 3.4	2.3 - 3.7	2.5 - 4.0
		Throw min - max (m) Sides	2.2 - 5.2	2.8 - 6.1	3.7 - 6.7	4.3 - 7.4	5.2 - 8.0
		Noise (dB)		24	29	33	37

CD3 - L Continued							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
			Total Pd mm w.g.	0.9	1.5	2.3	3.3
375 x 300	0.0487	m cub/sec	0.1777	0.2361	0.2958	0.3541	0.4138
		Throw min - max (m) Front	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4 - 5.2
		Throw min - max (m) Sides	2.2 - 4.9	2.8 - 5.8	3.4 - 6.4	4.0 - 6.7	4.6 - 7.4
		Noise (dB)					
450 x 300	0.0585	m cub/sec	0.2125	0.2833	0.3541	0.425	0.4958
		Throw min - max (m) Front	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4 - 5.2
		Throw min - max (m) Sides	2.2 - 5.5	3.1 - 6.4	3.7 - 7.1	4.6 - 8.0	5.2 - 8.3
		Noise (dB)		25	30	33	37
450 x 375	0.0732	m cub/sec	0.2666	0.3451	0.4444	0.5333	0.6208
		Throw min - max (m) Front	1.9 - 4.3	2.5 - 4.9	3.1 - 5.5	3.7 - 6.1	4.3 - 6.4
		Throw min - max (m) Sides	2.5 - 5.8	3.4 - 6.7	4.0 - 7.7	4.9 - 8.3	5.8 - 9.2
		Noise (dB)	20	26	31	35	38
525 x 450	0.102	m cub/sec	0.3736	0.4958	0.6208	0.7458	0.8694
		Throw min - max (m) Front	2.2 - 5.2	2.8 - 5.8	3.7 - 6.7	4.3 - 7.4	4.9 - 8.0
		Throw min - max (m) Sides	2.8 - 7.1	4.0 - 8.0	4.9 - 8.9	5.8 - 9.8	6.7 - 10.7
		Noise (dB)	22	28	32	37	40

Louvre Faced Ceiling Diffusers - CD

CD4 - Square Sizes							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
150 x 150	0.0097	m cub/sec	0.0361	0.0472	0.0597	0.0708	0.0833
		Throw min - max (m)	0.7 - 1.6	0.9 - 1.9	1.3 - 2.2	1.6 - 2.5	1.6 - 2.8
		Noise (dB)					19
225 x 225	0.0219	m cub/sec	0.0805	0.1069	0.1319	0.1611	0.1861
		Throw min - max (m)	1.3 - 2.5	1.6 - 3.1	1.9 - 3.4	2.2 - 3.7	2.5 - 4.0
		Noise (dB)				23	27
300 x 300	0.039	m cub/sec	0.1416	0.1888	0.2361	0.2833	0.3305
		Throw min - max (m)	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.9 - 4.9	3.4 - 5.2
		Noise (dB)		20	25	29	32
375 x 375	0.0609	m cub/sec	0.2222	0.2958	0.368	0.4444	0.5166
		Throw min - max (m)	1.9 - 4.3	2.2 - 4.9	3.1 - 5.5	3.7 - 6.1	4.3 - 6.4
		Noise (dB)		24	29	33	37
450 x 450	0.0878	m cub/sec	0.3194	0.425	0.5319	0.6375	0.7444
		Throw min - max (m)	2.2 - 5.2	2.8 - 5.8	3.7 - 6.7	4.3 - 7.4	4.9 - 8.0
		Noise (dB)	22	28	33	36	40
525 x 525	0.12	m cub/sec	0.4347	0.5791	0.7222	0.8694	1.0138
		Throw min - max (m)	2.5 - 6.1	3.4 - 7.1	4.3 - 7.7	4.9 - 8.6	5.8 - 9.2
		Noise (dB)	25	31	36	39	43
600 x 600	0.156	m cub/sec	0.5666	0.7555	0.9444	11.333	13.222
		Throw min - max (m)	2.8 - 0.7	4.0 - 8.0	4.6 - 4.9	5.8 - 9.8	6.7 - 10.4
		Noise (dB)	27	33	38	43	46

CD4							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
		Total Pd mm w.g.	0.9	1.5	2.3	3.3	4.3
225 x 600	0.0147	m cub/sec	0.0541	0.0708	0.0902	0.1069	0.125
		Throw min - max (m) Shorter Side	0.9 - 2.5	1.3 - 2.8	1.9 - 3.1	2.2 - 3.4	2.5 - 3.7
		Throw min - max (m) Longer Side	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4
		Noise (dB)			23	27	30
300 x 150	0.0195	m cub/sec	0.0708	0.0944	0.118	0.1416	0.1652
		Throw min - max (m) Shorter Side	0.9 - 2.5	1.3 - 2.8	1.9 - 3.1	2.2 - 3.4	2.5 - 3.7
		Throw min - max (m) Longer Side	1.9 - 4.3	2.5 - 4.9	2.8 - 5.5	3.4 - 5.8	4.0 - 6.4
		Noise (dB)			24	28	32
375 x 150	0.0244	m cub/sec	0.0902	0.118	0.1486	0.1777	0.2083
		Throw min - max (m) Shorter Side	0.9 - 2.5	1.3 - 2.8	1.9 - 3.1	2.2 - 3.4	2.5 - 3.7
		Throw min - max (m) Longer Side	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.4
		Noise (dB)		20	26	29	33
450 x 150	0.0244	m cub/sec	0.0902	0.118	0.1486	0.1777	0.2083
		Throw min - max (m) Shorter Side					
		Throw min - max (m) Longer Side					
		Noise (dB)					
300 x 225	0.0292	m cub/sec	0.1083	0.1416	0.1791	0.2125	0.25
		Throw min - max (m) Shorter Side	1.6 - 3.7	1.9 - 4.3	2.5 - 4.6	3.1 - 5.2	3.4 - 5.5
		Throw min - max (m) Longer Side	2.2 - 4.6	2.8 - 5.5	3.4 - 6.1	4.0 - 6.7	4.6 - 7.3
		Noise (dB)		22	27	30	34
375 x 225	0.0367	m cub/sec	0.1319	0.1777	0.2222	0.2666	0.3125
		Throw min - max (m) Shorter Side	1.6 - 3.7	1.9 - 4.3	2.5 - 4.6	3.1 - 5.2	3.4 - 5.5
		Throw min - max (m) Longer Side	2.2 - 5.5	3.1 - 6.4	3.7 - 7.0	4.6 - 8.0	5.5 - 8.6
		Noise (dB)		22	27	32	35
600 x 225	0.0367	m cub/sec	0.1319	0.1777	0.2222	0.2666	0.3125
		Throw min - max (m) Shorter Side					
		Throw min - max (m) Longer Side					
		Noise (dB)					
375 x 300	0.0487	m cub/sec	0.1777	0.2361	0.2958	0.3541	0.4138
		Throw min - max (m) Shorter Side	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.4
		Throw min - max (m) Longer Side	2.5 - 5.8	3.4 - 6.7	4.0 - 7.6	4.9 - 8.6	5.8 - 9.2
		Noise (dB)		24	29	33	36


Louvre Faced Ceiling Diffusers - CD


CD4 Continued							
SIZE (w x h)	AK m sq.	Neck Velocity m/s	1.5	2	2.5	3	3.5
			Total Pd mm w.g.	0.9	1.5	2.3	3.3
450 x 300	0.0585	m cub/sec	0.2125	0.2833	0.3541	0.425	0.4958
		Throw min - max (m) Shorter Side	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4 - 5.2
		Throw min - max (m) Longer Side	2.2 - 4.9	2.8 - 5.5	3.4 - 6.4	4.0 - 6.7	4.6 - 7.4
		Noise (dB)		24	28	33	36
525 x 300	0.0683	m cub/sec	0.2486	0.3305	0.4138	0.4958	0.5791
		Throw min - max (m) Shorter Side	1.6 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4 - 5.2
		Throw min - max (m) Longer Side	2.2 - 5.5	3.1 - 6.4	6.7 - 7.1	4.6 - 7.7	5.2 - 8.3
		Noise (dB)		25	30	34	37
600 x 300	0.078	m cub/sec	0.2833	0.3777	0.4722	0.5666	0.6611
		Throw min - max (m) Shorter Side	1.9 - 3.4	1.9 - 4.0	2.5 - 4.3	2.8 - 4.9	3.4 - 5.2
		Throw min - max (m) Longer Side	2.5 - 5.8	3.4 - 6.7	4.0 - 7.7	4.9 - 8.6	5.8 - 9.2
		Noise (dB)	21	27	32	35	38
450 x 375	0.0732	m cub/sec	0.2666	0.3451	0.4444	0.5333	0.6208
		Throw min - max (m) Shorter Side	1.9 - 4.3	2.5 - 4.9	3.1 - 5.5	3.7 - 6.1	4.3 - 6.4
		Throw min - max (m) Longer Side	2.2 - 5.2	2.8 - 5.8	3.7 - 6.4	4.3 - 7.1	4.9 - 7.7
		Noise (dB)	20	26	31	35	38
525 x 375	0.0854	m cub/sec	0.3097	0.4138	0.5166	0.6208	0.7222
		Throw min - max (m) Shorter Side	1.9 - 4.3	2.5 - 4.9	3.1 - 5.5	3.7 - 6.1	4.3 - 6.4
		Throw min - max (m) Longer Side	2.5 - 5.8	3.1 - 6.7	4.0 - 7.4	4.9 - 8.3	5.5 - 8.9
		Noise (dB)	21	27	32	36	40
600 x 375	0.0975	m cub/sec	0.3541	0.4722	0.5902	0.7083	0.8263
		Throw min - max (m) Shorter Side	1.9 - 4.3	2.5 - 4.9	3.1 - 5.5	3.7 - 6.1	4.3 - 6.4
		Throw min - max (m) Longer Side	2.8 - 6.4	3.4 - 7.4	4.3 - 8.3	5.2 - 8.9	6.1 - 9.8
		Noise (dB)	22	29	33	37	41
525 x 450	0.102	m cub/sec	0.3736	0.4958	0.6208	0.7458	0.8694
		Throw min - max (m) Shorter Side	2.2 - 5.2	2.8 - 5.8	3.4 - 6.7	4.3 - 7.4	4.9 - 8.0
		Throw min - max (m) Longer Side	2.5 - 5.8	3.4 - 6.7	4.0 - 7.7	4.9 - 8.6	5.8 - 9.2
		Noise (dB)	23	29	34	38	41
600 x 450	0.117	m cub/sec	0.425	0.5666	0.7083	0.85	0.9916
		Throw min - max (m) Shorter Side	2.2 - 5.2	2.8 - 5.8	3.4 - 6.7	4.3 - 7.4	4.9 - 8.0
		Throw min - max (m) Longer Side	2.8 - 6.4	3.7 - 7.7	4.6 - 8.6	5.5 - 9.5	6.4 - 10.1
		Noise (dB)	24	32	36	39	43
600 x 525	0.136	m cub/sec	0.4958	0.6611	0.8263	0.9916	1.1569
		Throw min - max (m) Shorter Side	2.5 - 6.1	3.4 - 7.1	4.3 - 7.7	4.9 - 8.6	5.8 - 9.2
		Throw min - max (m) Longer Side	2.8 - 6.7	3.7 - 8.0	4.6 - 8.9	5.5 - 9.8	6.4 - 10.4
		Noise (dB)	26	32	37	41	44


Finish:


- Mill Aluminium
- RAL: Polyester powder coated to RAL
- BS: Polyester powder coated to BS



 Halifax House, High Wycombe
Buckinghamshire, HP12 3SE


 +44 01494 897700

 +44 01494 532465

 www.monodraught.com

 info@monodraught.com

 Monodraught Ltd

 @MonodraughtLtd

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