

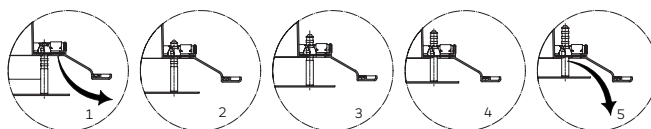
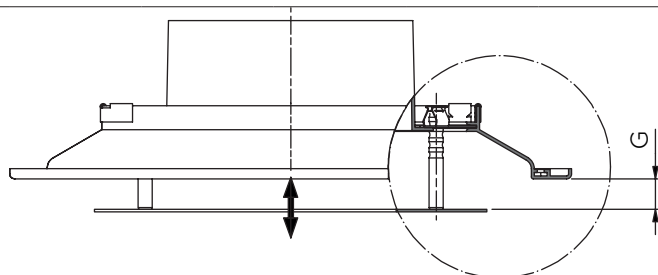
vektron specification sheet



product name	fuosquare																												
general information																													
description	square diffuser with adjustable air pattern																												
type	fuosquare with top connection																												
purpose	diffusers for conditioned air distribution integrated in vektron ceiling																												
application	The diffuser is used for supply and return for conditioned air. The diffuser can be mounted in the vektron metal ceiling where high aesthetic standards are required and/or adjustable air patterns are needed.																												
membrane materials																													
panel	vektron 600x600mm tiles manufactured from 0.5mm hot dipped galvanized steel with a minimum zinc coating of 50g/m ² .																												
paint finishing	Diffuser and panel have electrostatically applied polyester powder coating with a minimum paint thickness of minimum 60μ.																												
colour	Colour corresponding the colour of the metal ceiling tiles. Other colours on demand.																												
gloss	For the standard range of vektron colours a gloss in between 3%-10% is obtained depending on the colour.																												
perforation pattern	Non perforated. Perforation available on request, depending on the type and panel size.																												
diffuser	Factory integrated in a metal ceiling panel. Dimensions depending on the type, made out of aluminum and galvanized steel.																												
access to ceiling void	All ceiling panels to be removable.																												
technical information																													
general information	air pattern adjustable in 5 positions in between vertical and horizontal air pattern. - removable deflector plate - cylindrical air flow adjuster available on request																												
dimensions and spigot diameters	<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>N</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>179</td> <td>203</td> <td>98</td> </tr> <tr> <td>125</td> <td>194</td> <td>228</td> <td>123</td> </tr> <tr> <td>160</td> <td>260</td> <td>317</td> <td>158</td> </tr> <tr> <td>200</td> <td>290</td> <td>357</td> <td>198</td> </tr> <tr> <td>250</td> <td>330</td> <td>407</td> <td>248</td> </tr> <tr> <td>(dimensions in mm)</td> <td>315</td> <td>472</td> <td>313</td> </tr> </tbody> </table>		A	B	N	100	179	203	98	125	194	228	123	160	260	317	158	200	290	357	198	250	330	407	248	(dimensions in mm)	315	472	313
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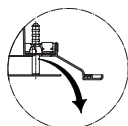
air pattern



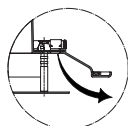
air pattern, position deflector plate

position	G (mm)
1	15
2	10
3	5
4	0
5	-5

noise rating



ØN	Pos.	Q _v (m ³ /h)	L _w		
			25 dB (A)	30 dB (A)	35 dB (A)
100	4	0	75	89	106
125	4	0	110	130	154
160	5	-5	188	223	264
200	5	-5	235	284	342
250	5	-5	320	379	448
315	5	-5	377	449	535



ØN	Pos.	Q _v (m ³ /h)	L _w		
			25 dB (A)	30 dB (A)	35 dB (A)
100	3	5	78	90	104
125	3	5	121	141	165
160	3	5	237	275	319
200	3	5	318	372	436
250	3	5	431	502	584
315	3	5	545	638	747