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PROFLO

aluminium round ceiling diffuser

RCDA6
RCDA8
RCDA10
RCDA12
RCDA14

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PRODUCT DATA SHEET

1 YR WARRANTY

ALUMINIUM ROUND CEILING DIFFUSER

Overview

The RCDA series of round ceiling diffusers are specifically designed for ceiling applications. Manufactured using spun aluminium and plastic damper blades. The diffuser is fitted with a neck adaptor to suit the direct fitting of flexible duct. The diffuser comes with plastic adjustable damper blades and an easily removable core allowing for access to the damper and installation via ceiling fixing clips. Standard finish is powder coated RAL9016. Other colours are available upon request.

Front view

Rear perspective - closed

Rear perspective - open

idealair group reserves the right to make changes to product without prior notice.

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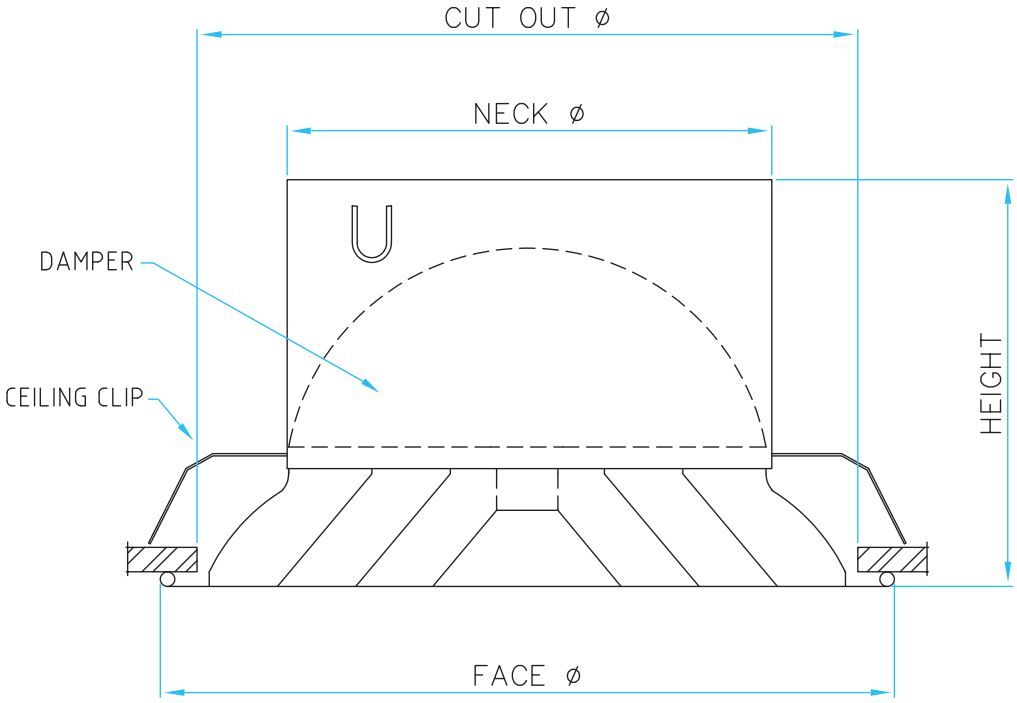

RCDA - ALUMINIUM ROUND CEILING DIFFUSER

Product Code	Description	Neck Ø	Face Ø	Cut out Ø	Height
RCDA6	Aluminium Round Ceiling Diffuser - c/w damper & spigot	150	300	250	140
RCDA8	Aluminium Round Ceiling Diffuser - c/w damper & spigot	200	350	300	140
RCDA10	Aluminium Round Ceiling Diffuser - c/w damper & spigot	250	400	350	140
RCDA12	Aluminium Round Ceiling Diffuser - c/w damper & spigot	300	450	400	140
RCDA14	Aluminium Round Ceiling Diffuser - c/w damper & spigot	350	500	450	140

Dimensions in millimetres

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Technical Data

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Product Code	Pressure Drop (Pa)	5	10	20	30	40	50	60
RCDA6	Flow Rate (l/s)	22	32	47	58	67	75	82
	Throw (m)	0.3 to 0.6	0.4 to 0.8	0.6 to 1.3	0.8 to 1.7	0.9 to 1.8	1.1 to 2.2	1.2 to 2.4
	Noise NR	<20	<20	<20	21	24	26	28
RCDA8	Flow Rate (l/s)	50	67	96	118	138	155	168
	Throw (m)	0.5 to 1.1	0.7 to 1.4	1.1 to 2.2	1.3 to 2.6	1.5 to 3.0	1.8 to 3.4	1.9 to 3.8
	Noise NR	<20	<20	<20	22	24	28	31
RCDA10	Flow Rate (l/s)	85	117	169	210	241	268	293
	Throw (m)	0.8 to 1.6	0.9 to 1.8	1.4 to 2.9	1.7 to 3.5	2.0 to 4.0	2.2 to 4.4	2.5 to 5.0
	Noise NR	<20	<20	<20	27	32	35	41
RCDA12	Flow Rate (l/s)	134	192	264	327	379	425	468
	Throw (m)	0.8 to 1.8	1.2 to 2.4	1.6 to 3.3	2.1 to 4.2	2.5 to 5.0	2.8 to 5.6	3.1 to 6.2
	Noise NR	<20	<20	22	30	35	42	
RCDA14	Flow Rate (l/s)	278	384	550	670	780	872	
	Throw (m)	1.3 to 2.6	1.9 to 3.8	2.7 to 5.4	3.2 to 6.5	3.8 to 7.6	4.4 to 8.8	
	Noise NR	<20	<20	23	30	36	44	

Throw terminal velocities of 0.25m/s & 0.50m/s.
This data to be used for quick selection only, not to be used for commissioning.

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