



Acoustek

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Breeze & Zephyr Acoustic Light Units

Vertical blades have dramatically revolutionised the business of noise attenuation.

Breeze and Zephyr Acoustic Light Units employ this concept, demonstrating proven acoustic benefits. However, the specific engineered angles employed in our blade design take this concept further to achieve a stunning design resulting in excellent noise attenuation.

The initial simple premise combined with aesthetically engineered shape produced these two beautiful Acoustic Light Units that continue the Acoustek tradition of a 'sound investment'.

Breeze

In pursuit of increasing noise attenuation via a single light unit, the approx 8sqm surface area of our Breeze acoustic light unit is perfect in shape to interfere with and absorb the varied frequencies of reverberate noise within any given area.

This twin or single bulb unit offers a decorative and effective light source to complement most interiors, the design is of traditional shape yet introduces a modern aesthetic that has practical benefit.

Dimensions

Height: 550mm Diameter: 800mm

Zephyr

Designed to push noise attenuation further, the surface area was increased by 70% to provide an elongated version of Breeze that would provide LED lighting over boardroom tables, workstation groups etc.

Zephyr will also accommodate extra decorative bulbs similar to Breeze to change the look and illumination but also be available (via electrician) in twin LED light format mounted within our Opus® extrusion as per illustration.

Dimensions

Height: 550mm Width: 800mm Length: 1400mm

Longer units available on request.

BREEZE & ZEPHYR ACOUSTIC LIGHT UNITS



Performance example

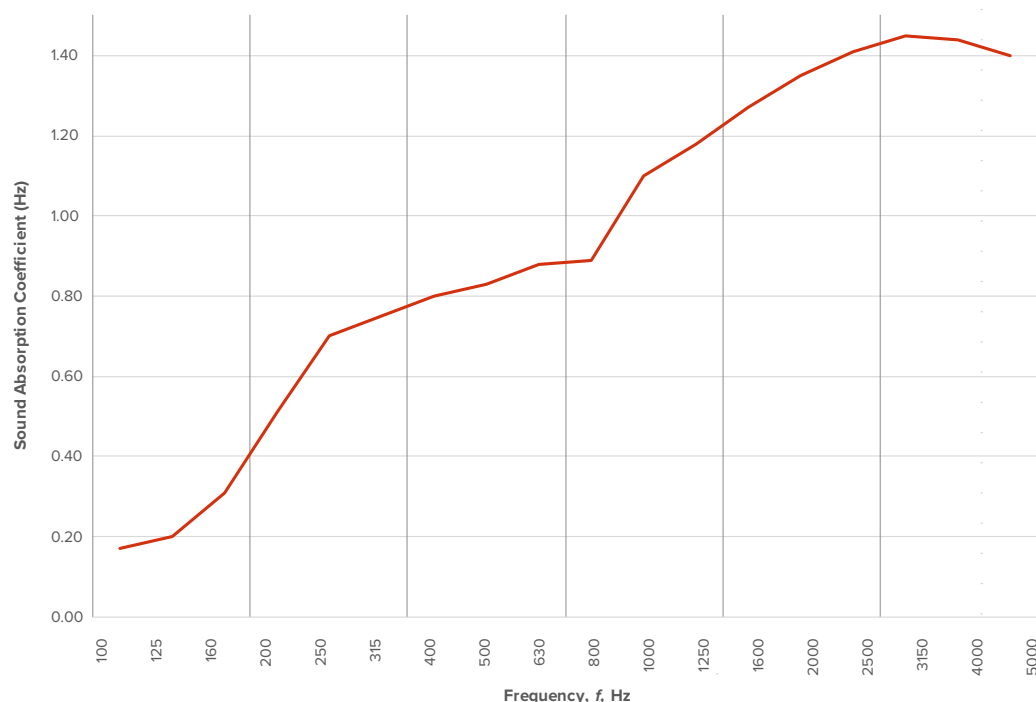
The angled blades of Breeze utilise a 'venturi effect' to create maximum noise interruption/absorption via it's large surface area.

Consider installation of Breeze/Zephyr in a typical boardroom measuring 4.2m x 4.8m x 2.7m with carpet flooring and plasterboard/glazed ceiling & wall surfaces.

The addition of 3-7 Sabins at each of the middle frequencies (500Hz-1000Hz) will result in a new reverberation time within the target range of 0.6 -0.8 seconds (as per AS2107:2016).

NRC 0.90 puts a product immediately into the class A category of absorption.

Frequency (Hz)	SAC	Oct
100	0.17	0.23
125	0.20	
160	0.31	
200	0.51	0.65
250	0.70	
315	0.75	
400	0.80	0.84
500	0.83	
630	0.88	
800	0.89	1.06
1000	1.10	
1250	1.18	
1600	1.27	1.34
2000	1.35	
2500	1.41	
3150	1.45	1.43
4000	1.44	
5000	1.40	
NRC	0.95	
Alpha	0.90	
SAC	A	



Sustainable Design

Acoustek 3D Lights, Beams, Blades, Tiles and Acoustic Screens are certified GreenTagCert™ GreenRate Level A.

AS standards and BS standards:
AS 1530.3, AS 3837, BS 476

Suitable for use in Green Star™ projects.
GreenTagCert™ is a certification and rating tool for building professionals approved by the Green Building Council of Australia (GBCA Physical).



Melting point:	250°C
Vapour pressure:	Not applicable
Volatiles:	Nil
Flash point:	None allocated
Other properties:	Non-allergenic, low irritant, low flame response, resilient
Ingredients:	Organic, long chain synthetic polymers
Max service temp:	110°C
Alkalinity:	pH 7.8 (pH 7 is neutral)
Moisture absorption:	Exposure to an atmosphere of 50oC and 95% RH for four days gives moisture absorption of less than 0.2% by volume
Fire Hazard Properties:	<p>The following results were obtained when subjected to early fire hazard testing in accordance with Australian Standards AS 1530.3</p> <p>Ignitability: 7 Spread of Flame: 0 Smoke Developed: 5 Heat Evolved: 2</p>

Decorative Finishes

Breeze & Zephyr Acoustic Light units, available in all finishes

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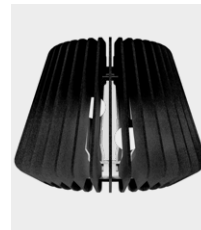
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