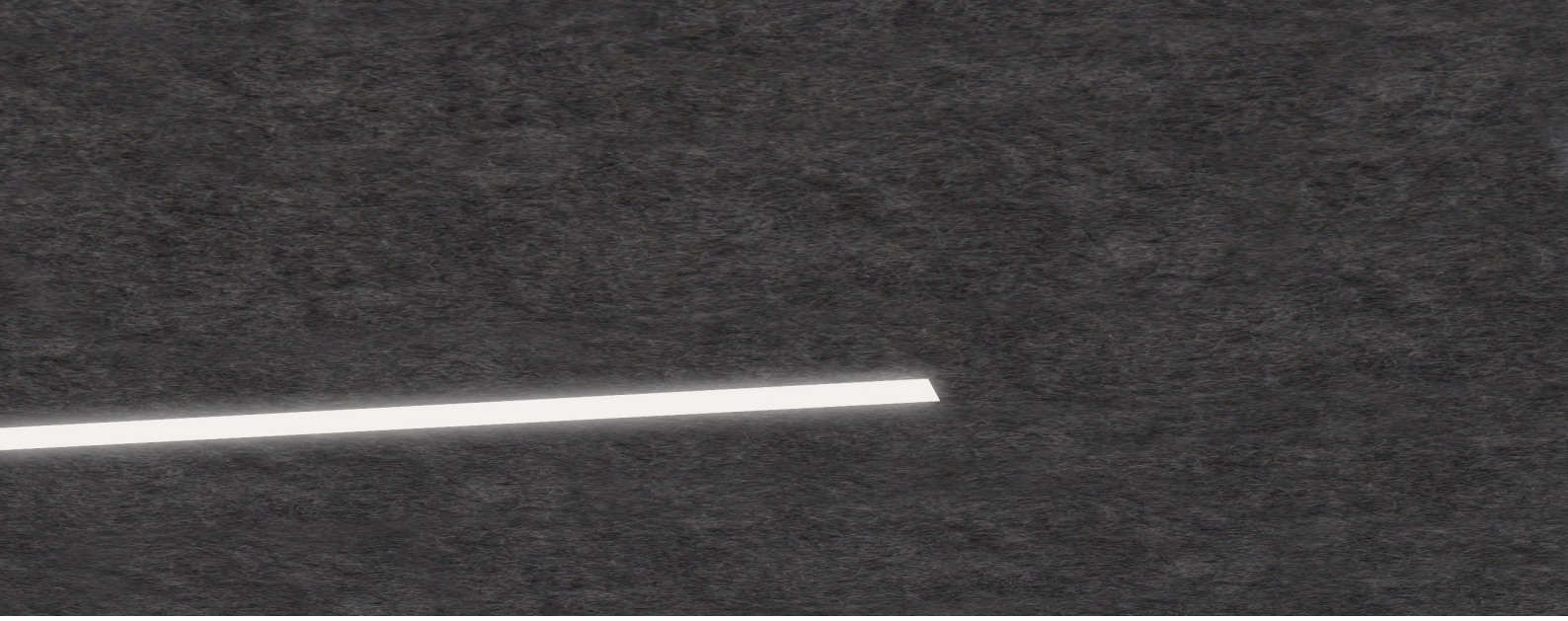
THE ACOUSTICS COMPANY

LUME

Lighting Rafts



PRODUCT INFO

In collaboration with CISLED, one of France's leading LED suppliers, we proudly present Lume—a solution designed to meet both your lighting and acoustic needs. Expertly crafted from recycled polyester fibers, Lume integrates seamlessly into any interior as a sleek lighting raft, featuring embedded LED technology. Available in a range of shapes and sizes, it offers a customized fit for any space.

Illuminate your environment with Lume, an innovative acoustic lighting solution that embodies both elegance and functionality.

Product Notes:

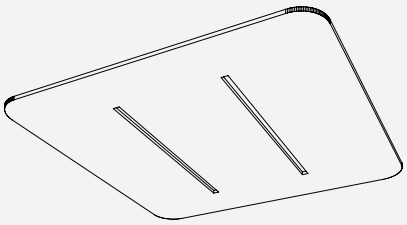
- Fixing: Lume comes equipped with suspension fixtures for hassle free installation, along with a standard 2m power cable.
- Assembly: Lume arrives as a fully assembled system. Installation involves suspending the raft with the supplied fixtures and connecting it to the mains using the enclosed 2m power cable. Please note that plugs are not supplied with this product.

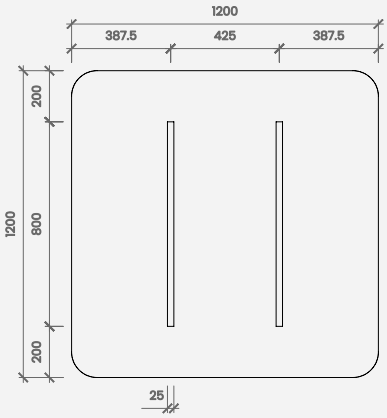
LED DATA

APPLICATION: Office, working space, home, etc.

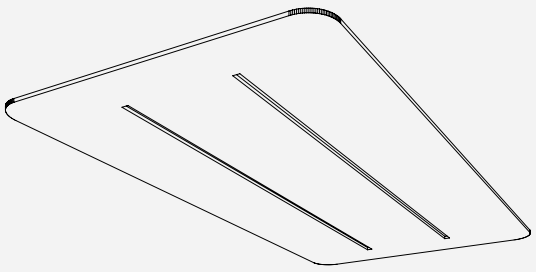
Ref.	CCT (K)	Flux (lm)	Power (W)	Voltage input	Voltage output	CR	IP	Size (mm)
KITS0564 KITS0565	4 000	1 900°	20	110 to 240VAC**	24VDC	>90	20	1 200 x 1 200
KITS0570 KITS0571	4 000	4 900°	52	110 to 240VAC	24VDC	>90	20	2 400 x 1 200

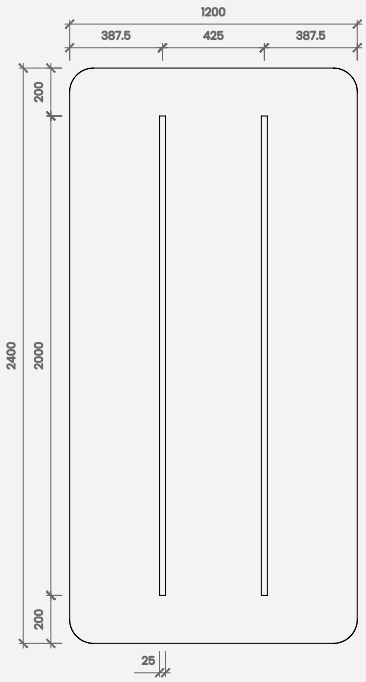
LUME DESIGNS





SQUARE





RECTANGLE

PRODUCT	ARTICLE	DIMENSION	THICKNESS
Square	07ALLUM-SQU000	1200mm x 1200mm	24mm
Rectangle	07ALLUM-REC000	1200mm x 2400mm	24mm

MATERIAL INFORMATION

COMPOSITION:	75% Recycled PET Fibre | 25% Virgin Fibre
FIRE RATING:	12mm EN13501-1:2007+A1:2009 B - S1, D0
DENSITY:	2.4kg/m² (12mm)
ACOUSTICS:	Class A, C, and D Absorber

*Our Alpha panels have a cutting tolerance of +- 3mm

FINISHES

Lume is made with high quality recycled PET panels. The selection has different colours that would compliment any interior space and concept. See finishes on the following links:

Finishes
Scan the code or visit
www.acousticscompany.com/finishes

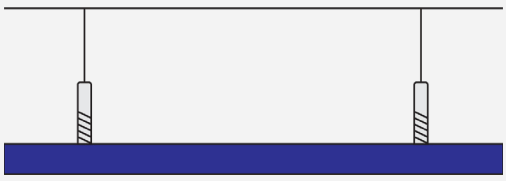
Catalogue
Scan the code or visit
https://acousticpanels.co.uk/wp-content/uploads/2025/03/PRODUCT-BROCHURE-2025.pdf

INSTALLATION

The Acoustics Company cater for all project budgets and have multiple fixing methods.

Lume acoustic lighting can be installedusing following method:

HELIX SUSPENSION



Lume is fixed to a pendant of the clients choice

DESIGN TIPS

Design tips you can do to maximize the full potential of our Lume:

1. Position Lume above conference tables or collaborative workspaces to provide optimal lighting and sound absorption.
2. Pair Lume with glass walls, metal accents, and modular furniture to create a professional, open atmosphere.
3. Suspend Lume above large communal dining tables or reception areas to reduce noise while enhancing ambient lighting.
4. Combine Lume with soft textures like velvet or plush seating, along with wood paneling and warm lighting for a cozy yet sophisticated feel.
5. Install Lume in open-plan living areas or high-ceilinged spaces, where its unique structure serves as both a light source and an acoustic solution.
6. Pair Lume with bold, artistic furnishings such as sculptural chairs, statement art pieces, and colorful rugs to create a dynamic visual balance.

ACOUSTIC PERFORMANCE

The acoustic performance of materials refers to their ability to absorb, reflect, or transmit sound waves. This concept is crucial in architecture, interior design, and engineering, as it determines how sound behaves in a space. Materials with good acoustic performance can reduce noise levels, improve speech intelligibility, and create more comfortable and functional environments by controlling reverberation and sound transmission.

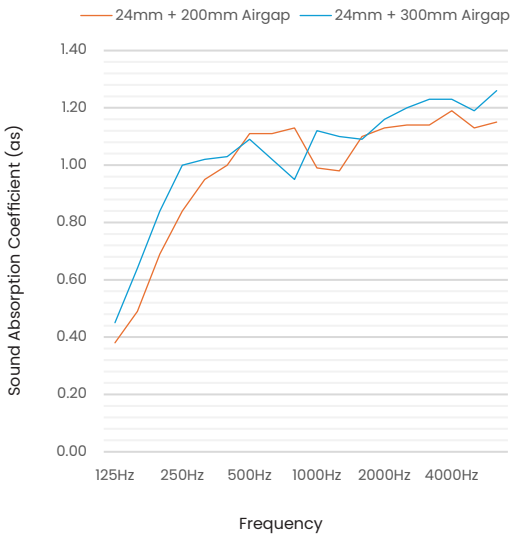
TESTING STANDARDS

ISO 354	Measurement of sound absorption in a reverberation room
ISO 11654	Sound absorbers for use in buildings — Rating of sound absorption
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ACOUSTICS:	Sound absorbers for use in buildings — Rating of sound absorption

ACOUSTICALLY TESTED ATMOS	aw	NRC	CLASS
24mm + 200mm Airgap	1.00	1.05	A
24mm + 300mm Airgap	1.00	1.10	A

For aw, it is strongly recommended to use this single-number rating in combination with the complete sound absorption curve that can be obtained on request.

FREQUENCY (Hz)	125	250	500	1000	2000	4000
24mm + 200mm Airgap	0.50	0.95	1.00	1.00	1.00	1.00
24mm + 300mm Airgap	0.65	1.00	1.00	1.00	1.00	1.00



Weighted Sound Absorption Coefficient (aw) - Measured in accordance with ISO 11654. Practical sound absorption coefficient ap values at given standard frequencies are compared with reference curve aw.

Noise Reduction Coefficient (NRC) - The mean average as value at frequencies 250, 500, 1000 and 2000 Hz.

Absorption Class – Levels of comparison of absorption values against a reference curve with A as highest and E as lowest. Measured in accordance with ISO 11654.

Practical Sound Absorption Coefficient (ap) - The average of the three as values centered on the 1/3 octave band center frequency, measured in accordance with EN ISO 354.

Note: The sound absorption values provided in this product sheet are subject to change without prior notice from The Acoustics Company. For the most current and accurate technical specifications, please contact our Sales Team directly.

THE ACOUSTICS COMPANY

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