

Procession House 55 Ludgate Hill, London



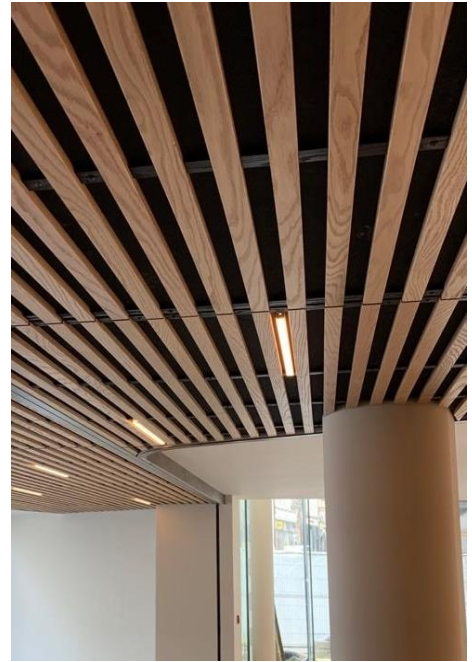
Architects: John Robertson Architects
Main Contractor: ISG
Joinery Contractor: CIM Ltd
Products: Laudescher LINEA 4.2.4
Finish: Oak, Clear Varnish
Completed: 2020

PROJECT INFORMATION

Shortlisted for the 2020 Architect of the Year Awards organised by Design Build; this internal refurbishment met the Breeam excellent status which we are very happy contributor.

John Robertson Architects specified the Laudescher LINEA 4.2.4 which was superbly installed by CIM Ltd on behalf of ISG London.

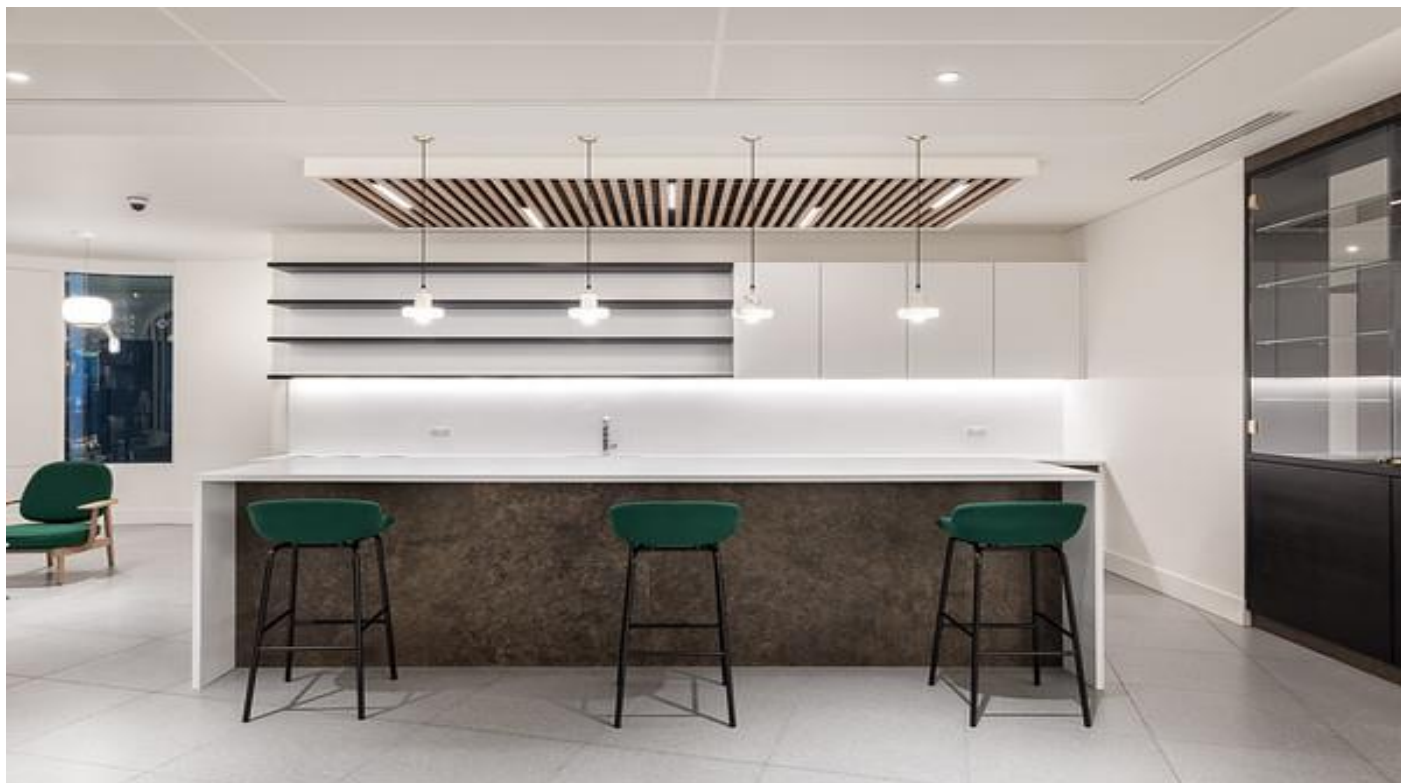
Specified and installed by CIM Ltd was our Laudescher Linea 4.2.4 (absorption class B, NRC 0.9) in Oak with a Varnished finish. Using the Laudescher system in various areas within the office area will contribute in keeping an area clam whilst ensuring good effective communication.



PROJECT IMAGES



Procession House
55 Ludgate Hill, London

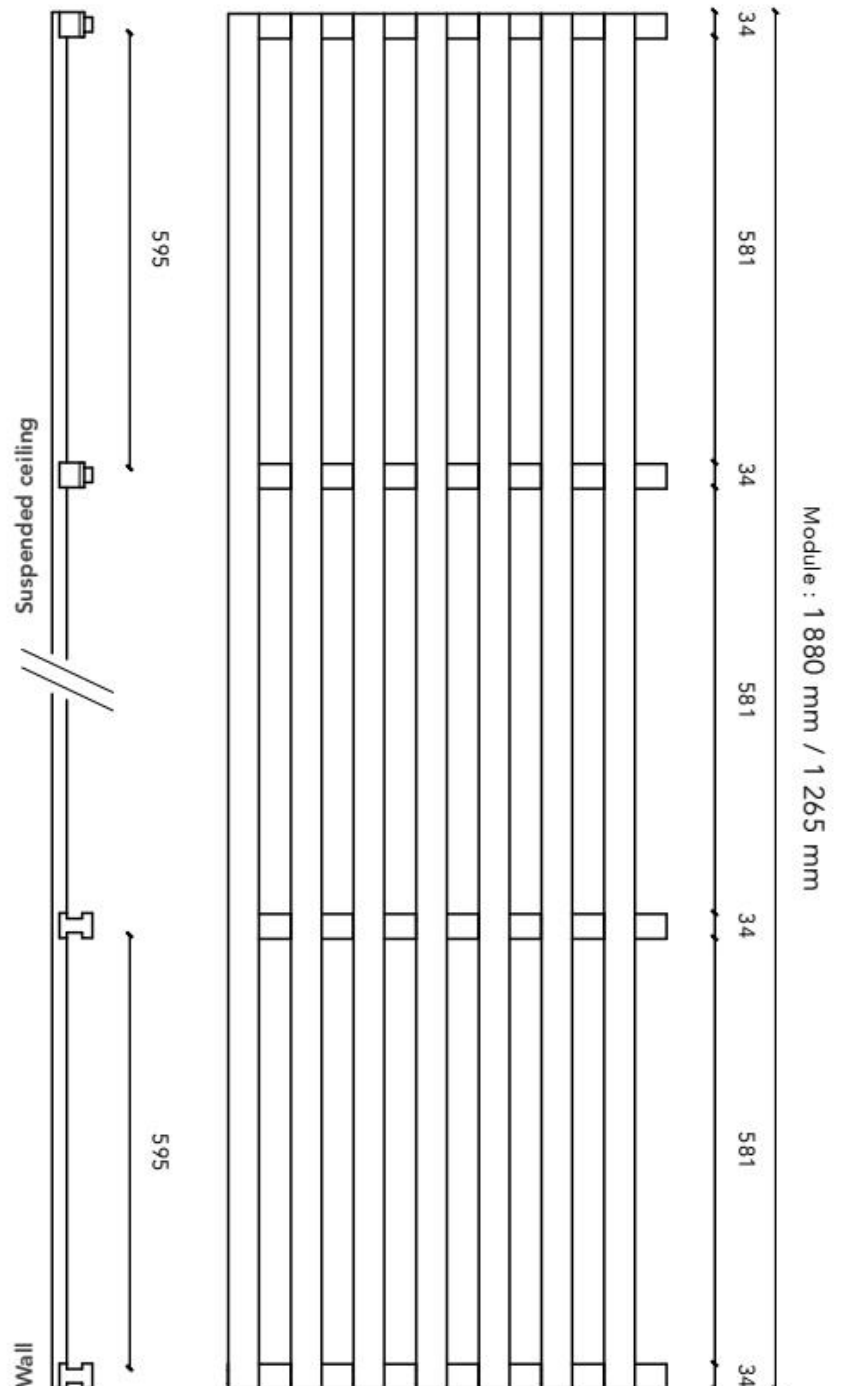
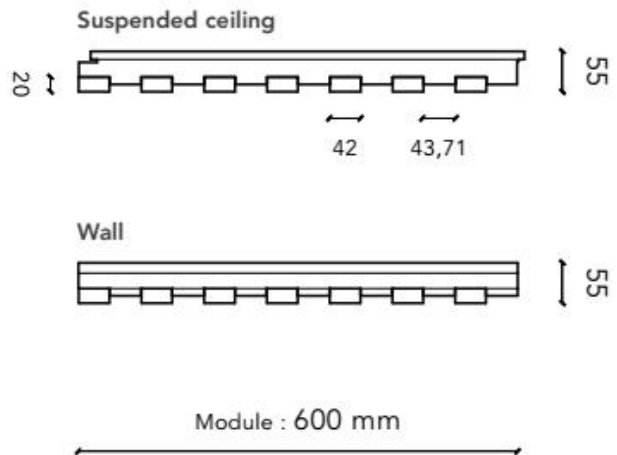


Procession House
55 Ludgate Hill, London



LINEA 4.2.4

LINEA RANGE
INTERIOR



Procession House

55 Ludgate Hill, London



FINISH / REACTION TO FIRE (AS PER EN 13501-1)

Natural	D-s2,d0 / B-s1,d0 / B-s2,d0
Varnish	D-s2,d0 / B-s1,d0 / B-s2,d0
Wax Color	D-s2,d0 / B-s1,d0 / B-s2,d0
Wax Color + varnish	D-s2,d0 / B-s1,d0 / B-s2,d0

ACOUSTIC RESULTS

Acoustic absorption was measured as per the ISO 354 standard. The various data relating to acoustic absorption (α_p , α_w , absorption class) have been calculated according to ISO 11654 standard (LINEA + acoustic supplement).

TECHNICAL CHARACTERISTICS

Panel dimensions	1880 x 600 mm and 1265 x 600 mm
Cross-section of slats	42 mm (face) x 20 mm (height)
Spacing between slats	43.71 mm
Centre distance of slats	85.71 mm
Black rear counter-slats	34 x 45 mm
Overall thickness	55 mm
Wood species	Pine, Oak, Douglas fir
Surface mass (pine)	8.75 kg/m ² (wall)
Surface mass (oak)	11 kg/m ² (wall)
Surface mass (douglas fir)	8.6 kg/m ² (wall)
Openness percentage	51%

Rear surface: acoustic mineral wool tiles 120 kg/m³ surfaced with black fleece facing (format : 600 x 600 mm; 20 mm or 22 mm thickness)
Not supplied by Laudescher

FITTING SYSTEM

Suspended ceiling

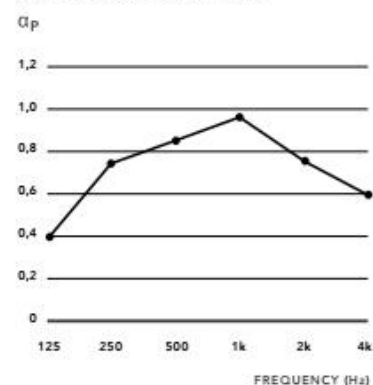
Fitting on T24 grid system:
 – As per DTU 58-1
 – As per EN 13964

Wall cladding

Mechanical fixing by screwing:
 – As per DTU 36-2
 – As per EN 14915

LINEA 4.2.4 CEILING + LR 20mm on E250 mm plenum

ACOUSTIC ABSORPTION COEFFICIENT



WEIGHTED INDEX:

$\alpha_w = 0.75$

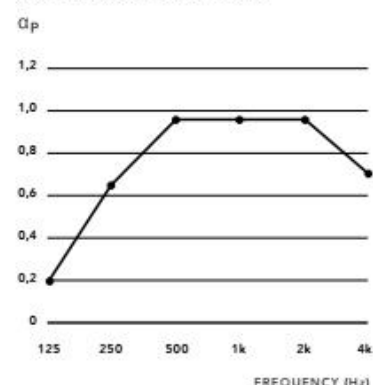
ABSORPTION CLASS:
Class C

AS PER ASTM C423:

NRC = 0.85

LINEA 4.2.4 WALL + LR 20mm on E50 mm plenum

ACOUSTIC ABSORPTION COEFFICIENT



WEIGHTED INDEX:

$\alpha_w = 0.85$

ABSORPTION CLASS:
Class B

AS PER ASTM C423:

NRC = 0.9

Procession House
55 Ludgate Hill, London



If you would like further information or have any questions please do not hesitate to get in contact:

Address: 70c High Street, Whitstable, CT5 1BB

Telephone: 01227 281140

Email: enquiries@acoustic-products.co.uk

Website: <https://www.acoustic-products.co.uk/>