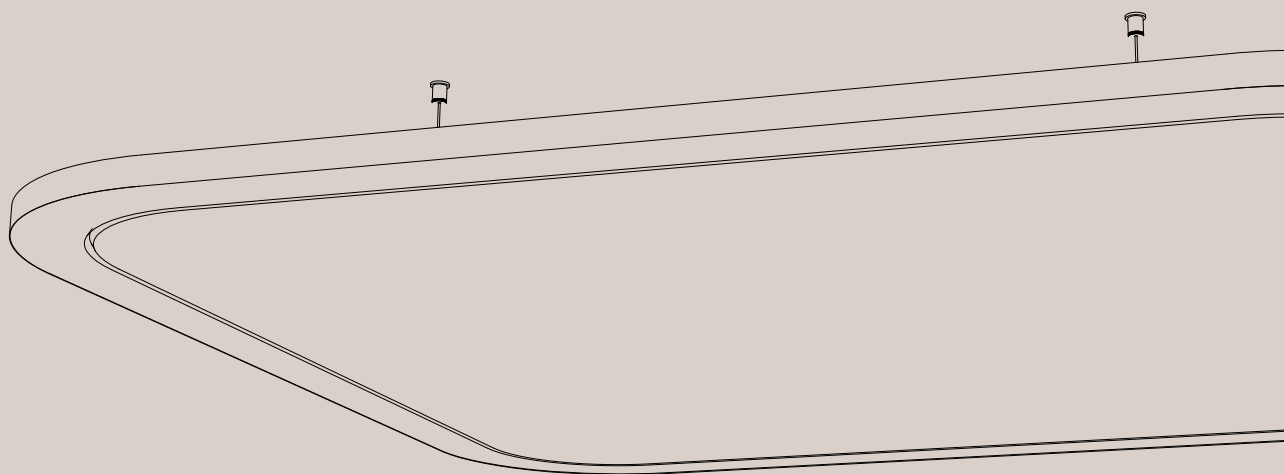


IMPACT ACOUSTIC®



Square and Rectangle Ceiling Panels

711.24.15.000.00

711.24.13.000.00

711.24.14.000.00

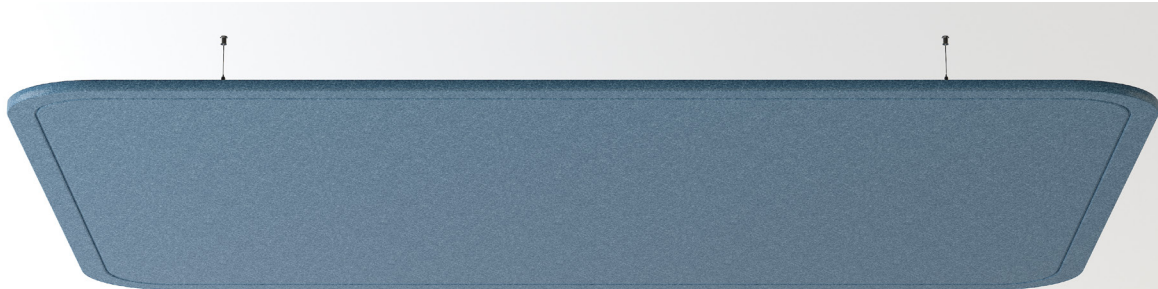
711.24.16.000.00

711.24.14.000.10

711.24.14.000.12

Square and Rectangle Ceiling Panels

General Information



Data

Applicable article numbers

711.24.10.000.00	711.24.13.000.00	711.24.16.000.00
711.24.11.000.00	711.24.14.000.00	711.24.14.000.10
711.24.12.000.00	711.24.15.000.00	711.24.14.000.12

Dimensions¹

Width	600/1200/1800mm	23.62/47.24/70.87"
Length	1200/1800/2400mm	47.24/70.87/94.49"
Material Thickness	24mm	0.94"



Custom solutions available

Material

Panel	100% PET (60% post-consumer) in 45 colours.
Frame <i>(option)</i>	Stainless steel



Extended document available

Weight²

24mm PET Material	4kg/m ² kg (±10%)	0.82 lbs/ft ² (±10%)
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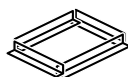
(for specific product weight please refer to Geometry Information pages 6-14)

Included

Ceiling Panel



Installation Kit



Installation
Guide



Warranty
10 years³



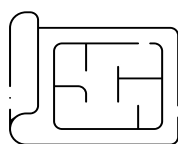
1 - All dimensions are nominal 2 - All weight values are nominal 3 - Impact Acoustic warranty terms apply

Square and Rectangle Ceiling Panels

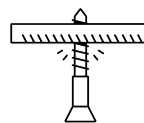
Specification Guide

Ensure you make the perfect choice by choosing our solutions for your next project. To get started, simply define some basic information and constraints about your space. Then explore our range of standard solutions or contact us directly for a more in-depth discussion of personalised, customised options.

1 Prepare this information:

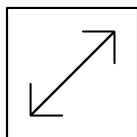


Ceiling Plans (RCP)



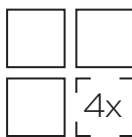
Ceiling Type

2 Specify your Panels:



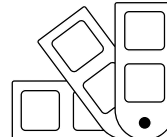
Size

page 6 - 12



Number of Modules

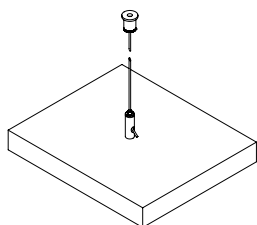
page 4 - 5



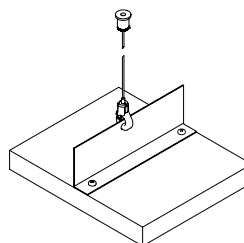
Colour

page 15

3 Verify installation method:



Direct gripper



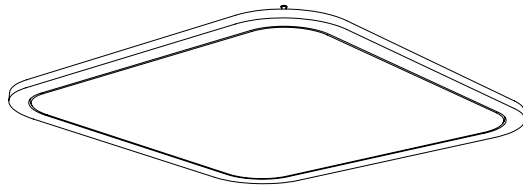
Profile and clip

Square and Rectangle Ceiling Panels

Product Family Overview

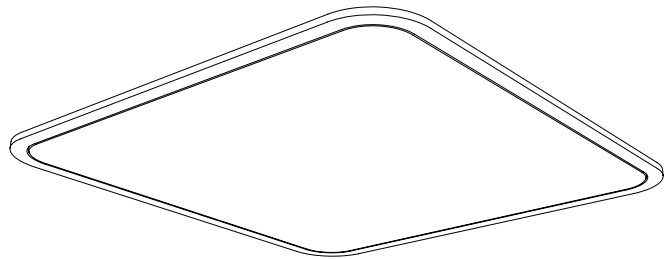
1 Ceiling Panels Square

711.24.10.000.00 - Ceiling Panel Square



(W1200 L1200)
(W47.24" L47.24")

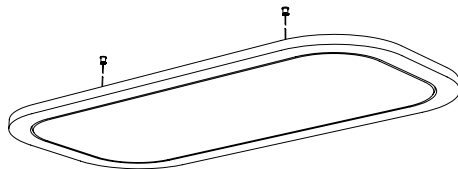
711.24.11.000.00 - Ceiling Panel Square



(W1800 L1800)
(W70.87" L70.87")

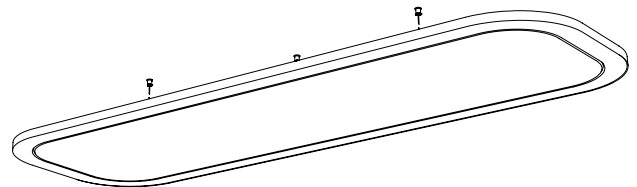
2 Ceiling Panels Rectangle

711.24.12.000.00 - Ceiling Panel Rectangle



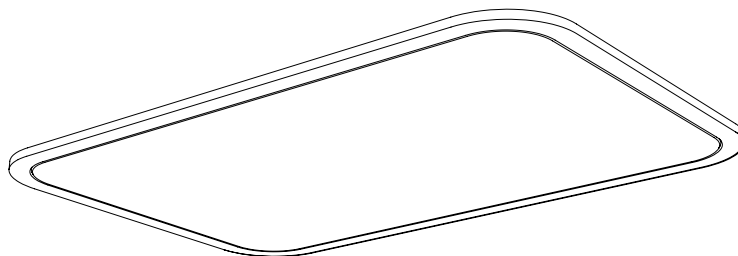
(W600 L1200)
(W23.62" L47.24")

711.24.13.000.00 - Ceiling Panel Rectangle



(W600 L1800)
(W23.62" L70.87")

711.24.14.000.00 - Ceiling Panel Rectangle



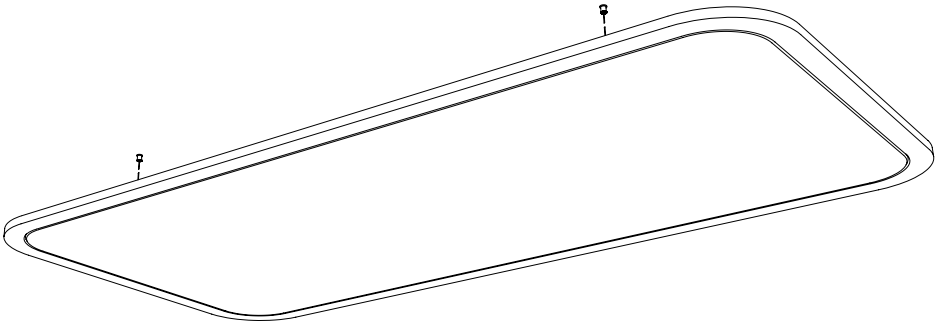
(W1200 L1800)
(W47.24" L70.87")

Square and Rectangle Ceiling Panels

Product Family Overview

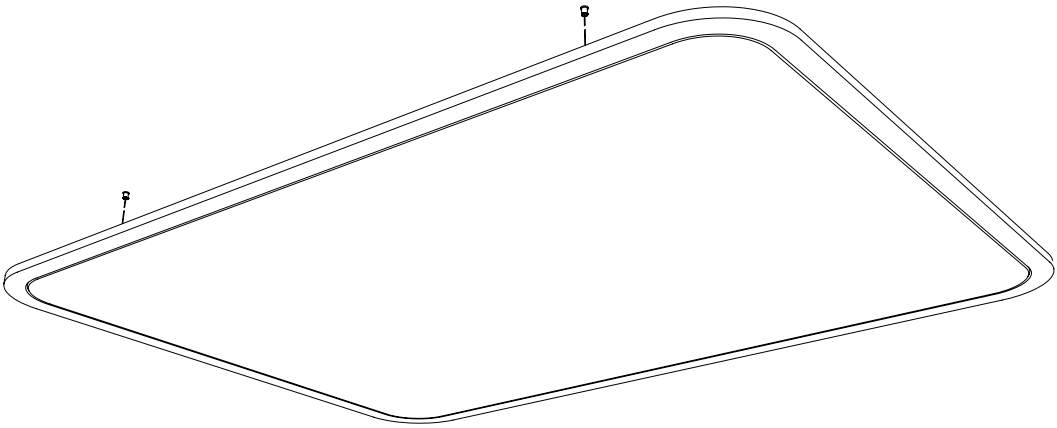
3 Ceiling Panels Rectangle with support

711.24.15.000.00 - Ceiling Panel Rectangle



(W1200 L2400 support frame)
(W47.24" L94.49")

711.24.16.000.00 - Ceiling Panel Rectangle



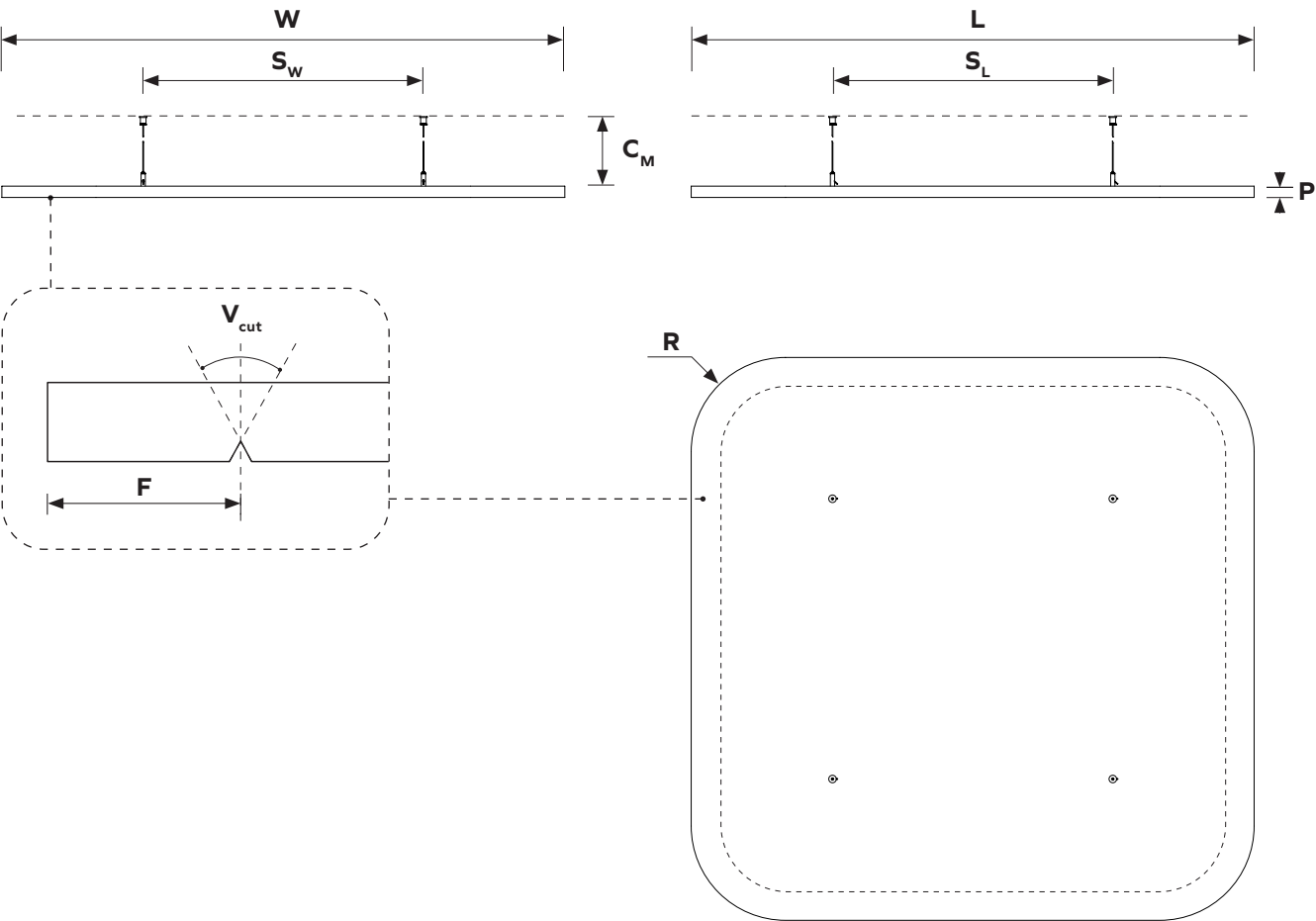
(W1800 L2400 support frame)
(W70.87" L94.49")

Square and Rectangle

Geometry Information



Ceiling Panel Square 711.24.10.000.00



Dimensions Table¹

W	Total width	1195mm	47.05"
L	Total length	1195mm	47.05"
C_M	Distance from ceiling	min. 100mm	min. 4"
S_w	Support spacing W	595mm	23.43"
S_L	Support spacing L	595mm	23.43"
P	PET material thickness	24mm	0.94"
F	V-cut offset	60mm	2.36"
V_{cut}	V-cut angle	60° (2 sides 30° V-cut) - 6mm (0.24") depth	

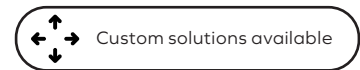
Weight Table²

PET panel	5.56 kg	12.26 lbs
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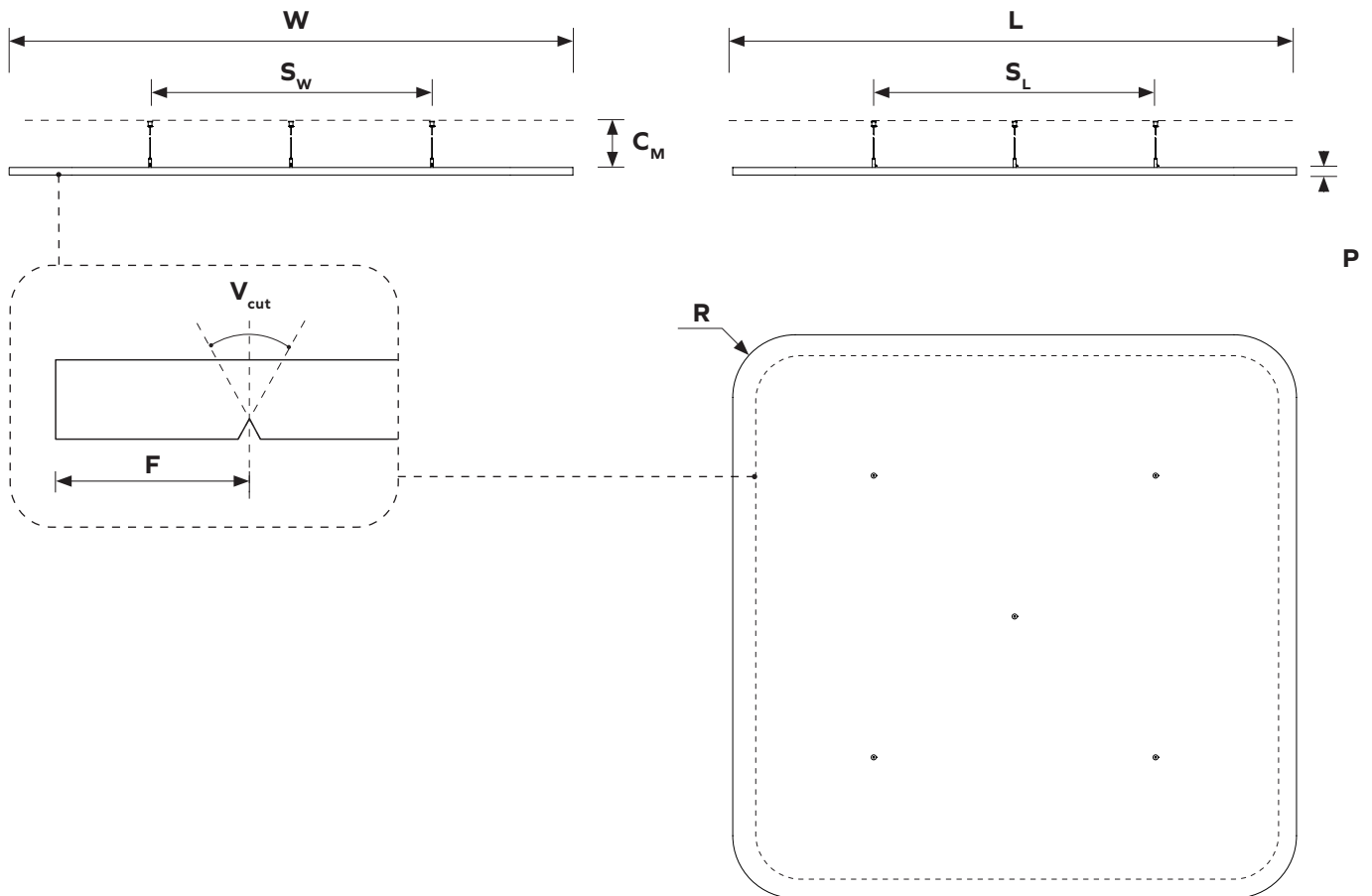
1 - All dimensions are nominal 2 - All weight values are nominal

Square and Rectangle

Geometry Information



Ceiling Panel Square 711.24.11.000.00



Dimensions Table¹

W	Total width	1800mm	70.87"
L	Total length	1800mm	70.87"
C_M	Distance from ceiling	min. 100mm	min. 4"
S_W	Support spacing W	900mm	35.43"
S_L	Support spacing L	900mm	35.43"
P	PET material thickness	24mm	0.94"
F	V-cut offset	60mm	2.36"
V_{cut}	V-cut angle	60° (2 sides 30° V-cut) - 6mm (0.24") depth	

Weight Table²

PET panel	12.8 kg	28.22 lbs
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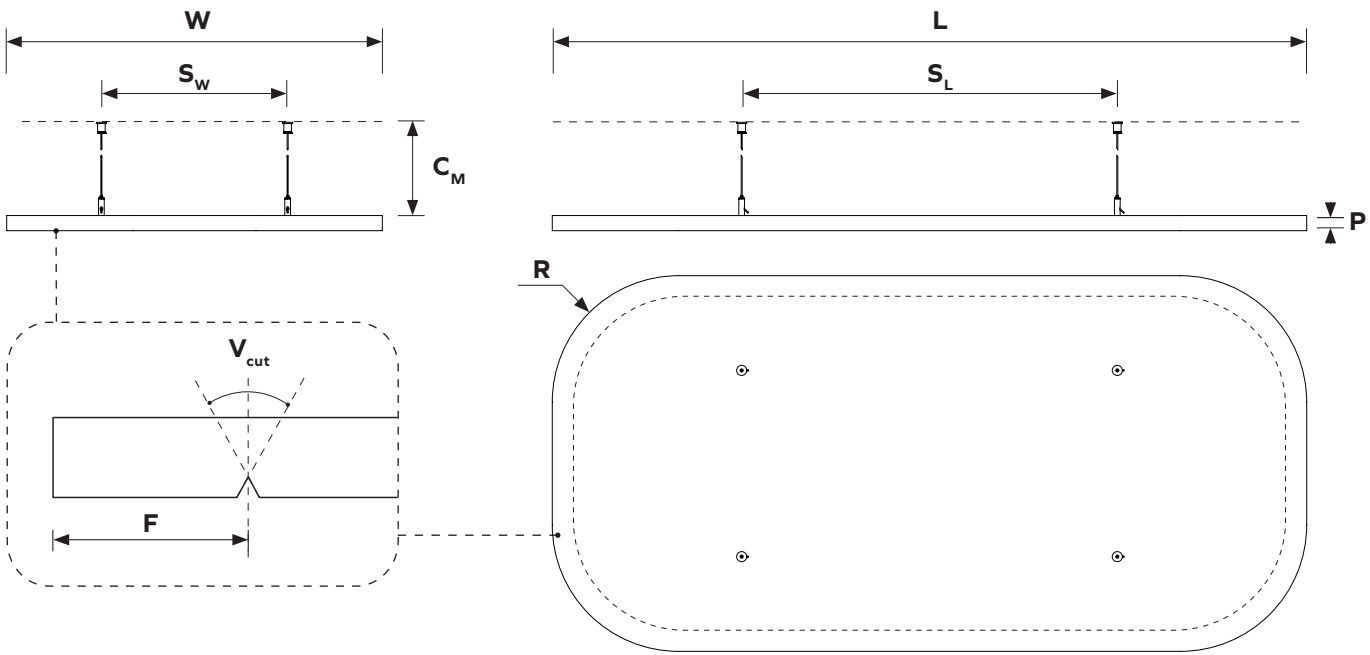
1 - All dimensions are nominal 2 - All weight values are nominal

Square and Rectangle

Geometry Information



Ceiling Panel Rectangle 711.24.12.000.00



Dimensions Table¹

W	Total width	595mm	23.43"
L	Total length	1195mm	47.05"
C_M	Distance from ceiling	min. 100mm	min. 4"
S_w	Support spacing W	295mm	11.61"
S_L	Support spacing L	595mm	23.43"
P	PET material thickness	24mm	0.94"
F	V-cut offset	60mm	2.36"
V_{cut}	V-cut angle	60° (2 sides 30° V-cut) - 6mm (0.24") depth	

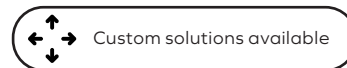
Weight Table²

PET panel	2.72 kg	6.00 lbs
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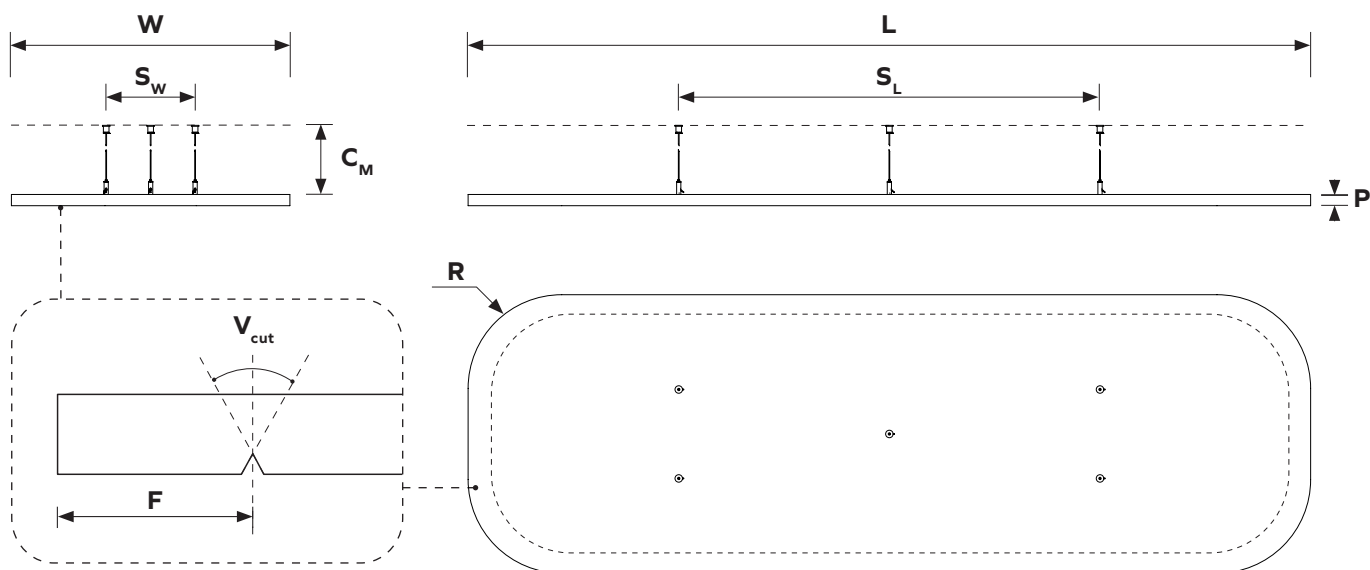
1 - All dimensions are nominal 2 - All weight values are nominal

Square and Rectangle

Geometry Information



Ceiling Panel Rectangle 711.24.13.000.00



Dimensions Table¹

W	Total width	595mm	23.43"
L	Total length	1800mm	70.87"
C_M	Distance from ceiling	min. 100mm	min. 4"
S_W	Support spacing W	295mm	11.61"
S_L	Support spacing L	900mm	35.43"
P	PET material thickness	24mm	0.94"
F	V-cut offset	60mm	2.36"
V_{cut}	V-cut angle	60° (2 sides 30° V-cut) - 6mm (0.24") depth	

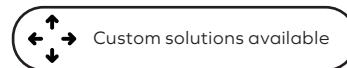
Weight Table²

PET panel	4.42 kg	9.74 lbs
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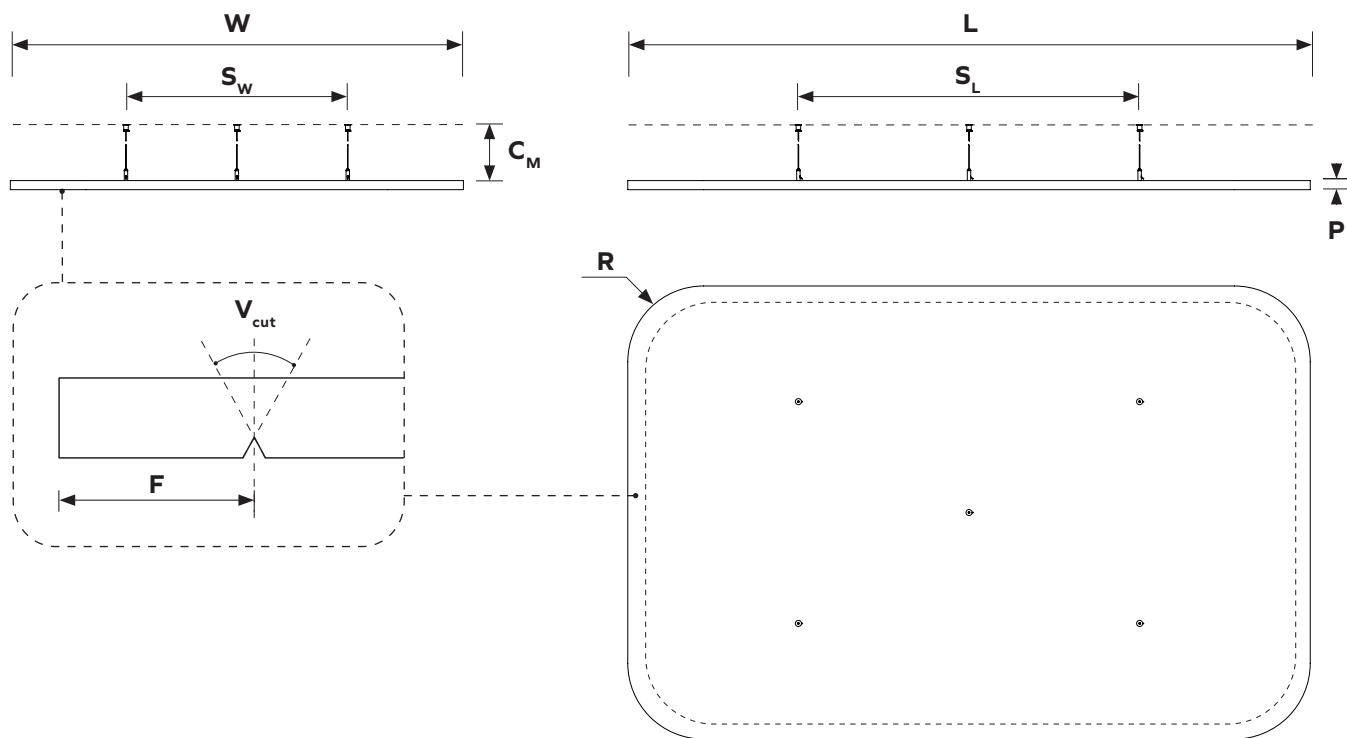
1 - All dimensions are nominal 2 - All weight values are nominal

Square and Rectangle

Geometry Information



Ceiling Panel Rectangle 711.24.14.000.00



Dimensions Table¹

W	Total width	1195mm	47.05"
L	Total length	1800mm	70.87"
C_M	Distance from ceiling	min. 100mm	min. 4"
S_W	Support spacing W	585mm	23.03"
S_L	Support spacing L	900mm	35.43"
P	PET material thickness	24mm	0.94"
F	V-cut offset	60mm	2.36"
V_{cut}	V-cut angle	60° (2 sides 30° V-cut) - 6mm (0.24") depth	

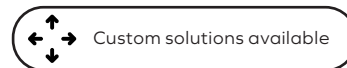
Weight Table²

PET panel	8.44 kg	18.61 lbs
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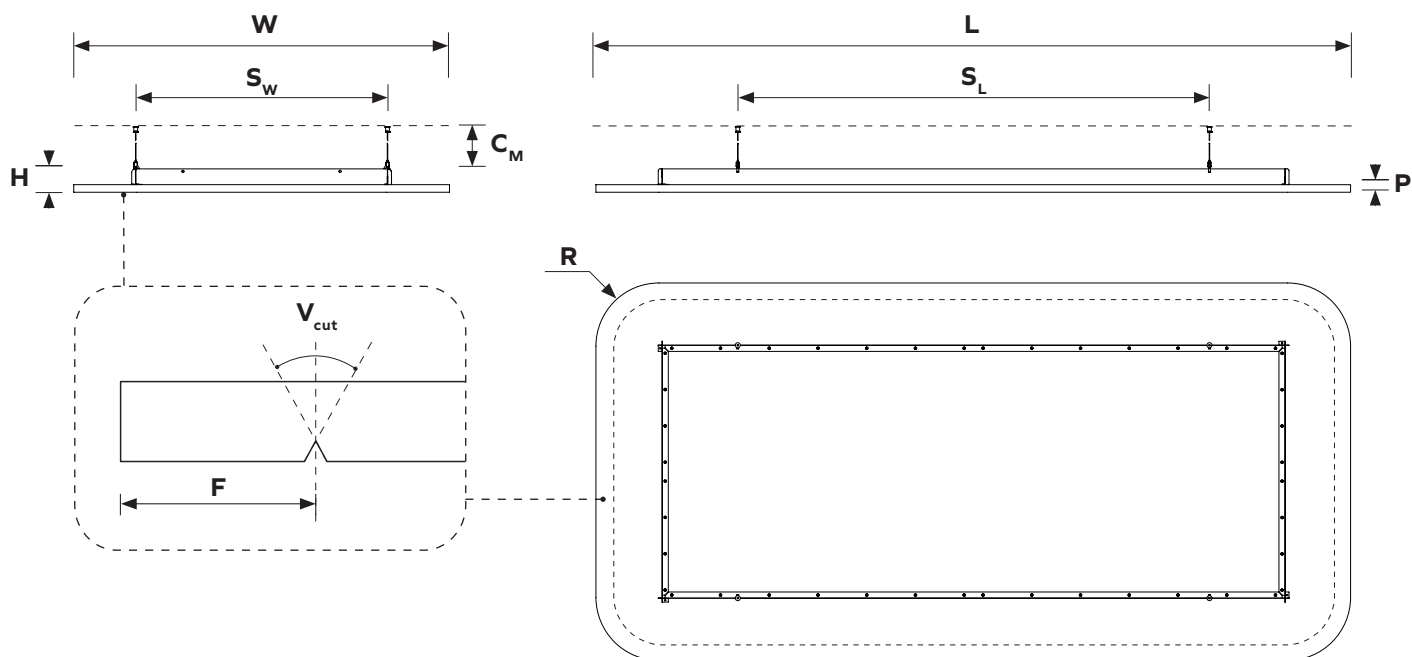
1 - All dimensions are nominal 2 - All weight values are nominal

Square and Rectangle

Geometry Information



Ceiling Panel Rectangle 711.24.15.000.00



Dimensions Table¹

W	Total width	1195mm	47.05"
L	Total length	2400mm	94.49"
C_M	Distance from ceiling	min. 100mm	min. 4"
H	Total Height	74mm	2.91"
S_W	Support spacing W	800mm	31.50"
S_L	Support spacing L	1500mm	59.06"
P	PET material thickness	24mm	0.94"
F	V-cut offset	60mm	2.36"
V_{cut}	V-cut angle	60° (2 sides 30° V-cut) - 6mm (0.24") depth	

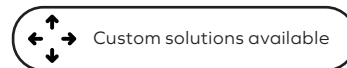
Weight Table²

PET panel	11.32 kg	24.96 lbs
Steel profiles	3.04 kg	6.70 lbs

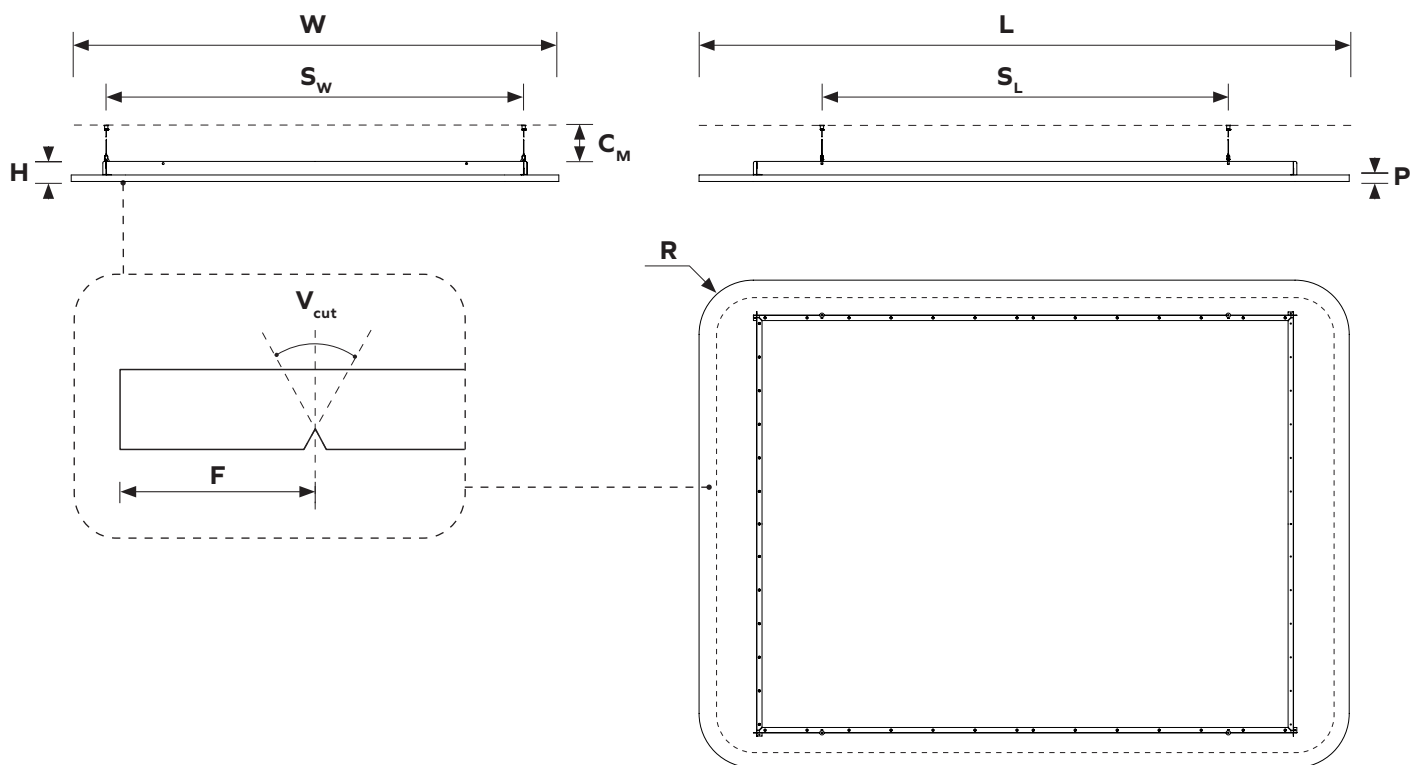
1 - All dimensions are nominal 2 - All weight values are nominal

Square and Rectangle

Geometry Information



Ceiling Panel Rectangle 711.24.16.000.00



Dimensions Table¹

W	Total width	1800mm	70.87"
L	Total length	2400mm	94.49"
C_M	Distance from ceiling	min. 100mm	min. 4"
H	Total Height	74mm	2.91"
S_W	Support spacing W	1540mm	60.63"
S_L	Support spacing L	1500mm	59.06"
P	PET material thickness	24mm	0.94"
F	V-cut offset	60mm	2.36"
V_{cut}	V-cut angle	60° (2 sides 30° V-cut) - 6mm (0.24") depth	

Weight Table²

PET panel	17.14 kg	37.79 lbs
Steel profiles	3.84 kg	8.47 lbs

1 - All dimensions are nominal 2 - All weight values are nominal

Square and Rectangle

Installation Overview



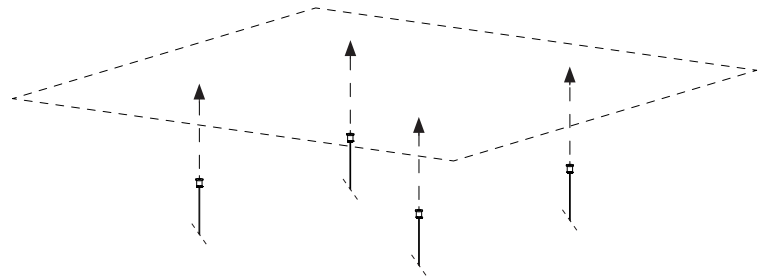
Extended document available

Applicable article numbers

711.24.10.000.00	711.24.13.000.00	711.24.14.000.10	711.24.12.000.00
711.24.11.000.00	711.24.14.000.00	711.24.14.000.12	

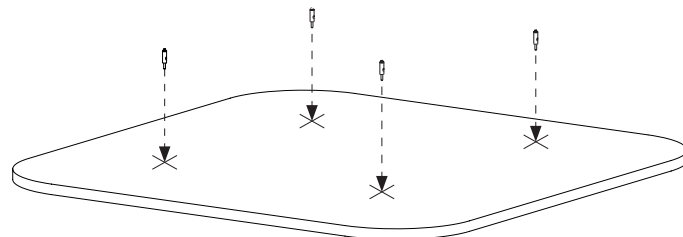
1 Attach mounting hardware

Measure the right spacing according to the X marks on the panel and attach mounting cables to the ceiling.



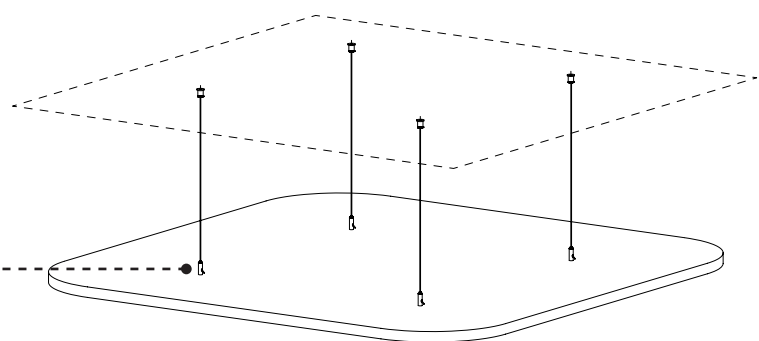
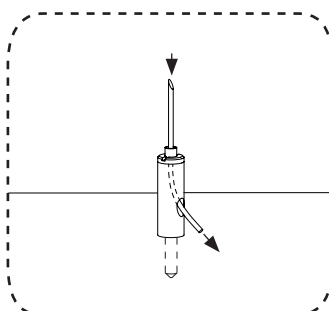
2 Attach grippers to the panel

Screw the cable grippers into the panel at the locations indicated by X marks on the panel back surface.



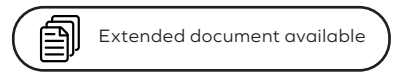
3 Connect cables

Pull suspension cables through grippers and adjust the cable length.



Square and Rectangle

Installation Overview



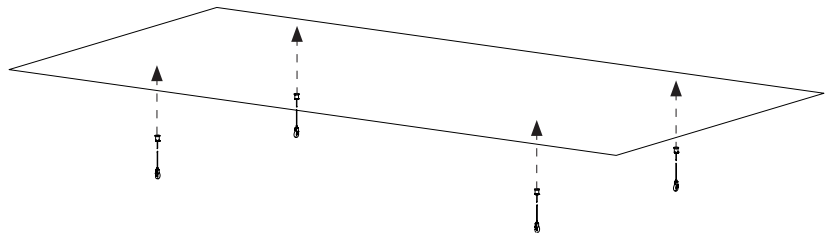
Applicable article numbers

711.24.15.000.00

711.24.16.000.00

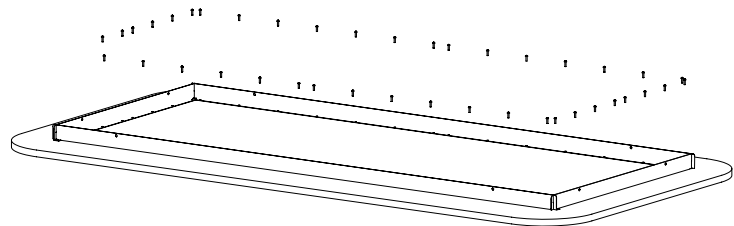
1 Attach mounting hardware

Measure the right spacing according to the X marks on the panel and attach mounting cables to the ceiling.



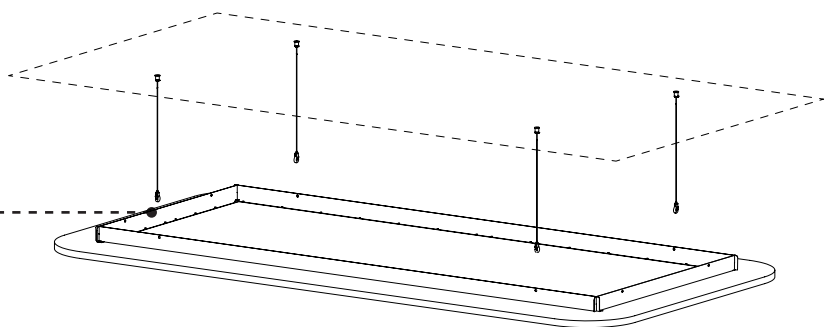
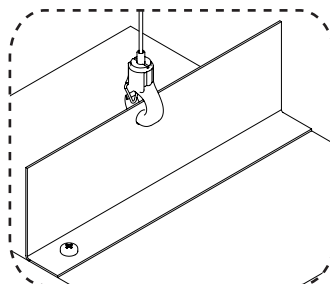
2 Install the steel frame.

Position the frame on the back of the panel and attach it using supplied screws.



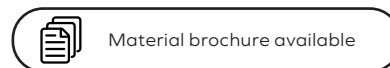
3 Connect cables

Attach clips to stiffening frame on the panel and adjust the cable length.



ARCHISONIC®

Colours



Name	Snow White	Cloud	Smoke	Slate	Charcoal	Raven	Ground	Gull	Milk
Code	500	103	442	444	542	550	108	144	404
NCS	S 0300-N	S 1002-B	S 3005-R80B	S 4500-N	S 7502-B	S 8500-N	S 5005-Y20R	S 2502-Y	S 0502-Y

Name	Linen	Dune	Jute	Fallow	Warm Stone	Truffle	Sunshine	Honeycomb	Electric Orange
Code	107	104	920	238	105	539	846	139	464
NCS	S 1505-Y30R	S 2005-Y	S 3010-Y30R	S 5010-Y30R	S 3010-Y50R	S 8502-R	S 1040-Y10R	S 2050-Y20R	S 0580-Y70R

Name	Terracotta	Soft Coral	Cinnabar	Shell Pink	Garnet	Poster Red	Hot Pink	Grape	Marine Blue
Code	239	516	725	102	724	662	140	540	864
NCS	S 4040-Y70R	S 2020-Y90R	S 6030-R	S 0510-R30B	S 5040-R10B	S 1080-R	S 2060-R20B	S 5040-R40B	S 4050-R70B

Name	Midnight	Royal Blue	Winter Sky	Deep Sea	Nocturne	True Navy	Ice Blue	Pacific Ocean	Lagoon
Code	810	865	410	918	866	194	304	432	917
NCS	S 7020-R70B	S 3560-R80B	S 2020-R90B	S 5020-R90B	S 8010-R90B	S 8005-B	S 0510-B	S 3040-B	S 7020-B30G

Name	Succulent	Spearmint	Seafoam	Nordic Pine	Moss	Grove	Pistachio	Lichen	Fern
Code	712	706	710	311	439	317	315	160	180
NCS	S 3020-B30G	S 1010-B90G	S 3010-G30Y	S 5030-G10Y	S 2040-G40Y	S 7020-G30Y	S 5020-Y	S 4005-Y	S 6010-G90Y

These NCS codes are the closest visual match available and may not be exact to blended fibres.

Colours

ARCHISONIC®

Experience our ARCHISONIC® Felt material with a stunning selection of 45 colours across 9 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colours harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Colour fastness

Class 6

ISO 105-B02:A1

Order a free sample box



ARCHISONIC® Felt

Material Specification

Product Name	ARCHISONIC® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness¹	12mm (0.47")	24mm (0.94")
Max. Size	1200x2800mm (47"x110")	1800x2400mm (70"x94")
Acoustic²	ASTM: NRC=0.6 ISO: α_w =0.65	ASTM: NRC=0.9 ISO: α_w =0.95
Density¹	2400 g/m ² (0.49 lbs/ sqft)	4000 g/m ² (0.82 lbs/sqft)
Colour Fastness	Class 6 ISO 105-B02:A1	
Colour	45 colours (see ARCHISONIC® Felt Colour page for more information)	
Maintenance	For daily cleaning we recommend alcohol solution (75%), e.g. Pantasept. In case of contamination by dust or fluff, use feather duster or a regular vacuum cleaner. For heavy dirt, treat the material with hydrogen peroxide.	
Production Lead time³	21 days	
Fire Rating⁴	DIN EN 13501-1: B-s1, d0	ASTM E84 Class A
VOC Emission	28 Days French Regulation A+ ASTM E84 Pass Breeam® (International, UK, NL, SE, NOR) Exemplary CDPH (CDPH/EHLB/Standard Method V1.2) Pass	
Certifications	Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climate-KIC, VOC emissions in LEED EQ credit (low-emitting products), SCS Recycled Content	
Durability	Contract	

1 - all values are nominal 2 - measured with 300mm air cavity 3 - depending on the location and type of product

4 - The following colours carry a B-S2 fire certificate rating: Hot Pink 140 12mm, Lichen 160 12mm, True Navy 194 24mm, Pacific Ocean 432 24mm, Pacific Ocean 432 12mm, Electric Orange 464 24mm, Soft Coral 516 24mm, Raven 550 24mm, Raven 550 12mm, Poster Red 662 12mm, Garnet 724 12mm, Midnight 810 24mm, Marine Blue 864 24mm



Climate-KIC is supported by the EIT, a body of the European Union



Declare.



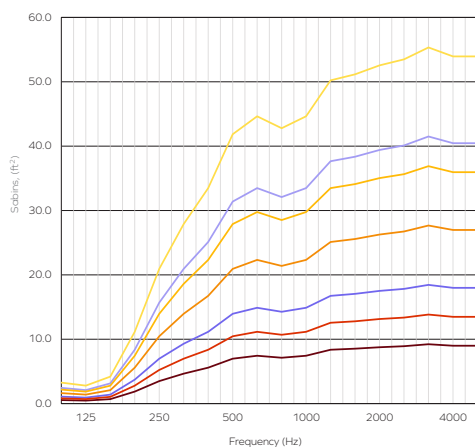
Square and Rectangle Ceiling Panels

Acoustic Performance



Testing Standards

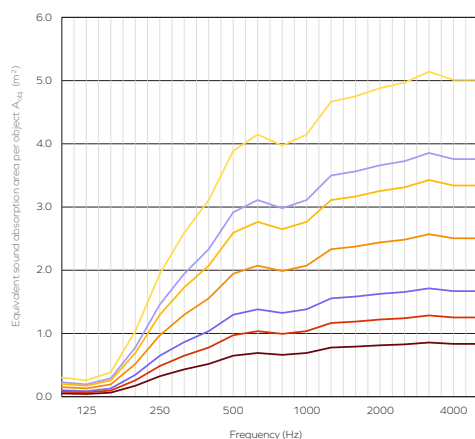
ISO 354:2003	Acoustics — Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics — Sound absorbers for use in buildings — Rating of sound absorption
ISO 20189:2018	Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound reduction of elements based on laboratory measurements
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard Practices for Mounting Test Specimens During Sound Absorption Tests



Acoustic Performance - ASTM Sabins, ft²

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Rectangle 1200x600mm	1.08	3.23	6.46	7.53	8.61	8.61
24mm Rectangle 1800x600mm	1.08	5.38	9.69	11.84	12.92	13.99
24mm Rectangle 1800x1200mm	2.15	9.69	20.45	22.60	25.83	26.91
24mm Rectangle 2400x1200mm	2.15	12.92	26.91	30.14	34.44	36.60
24mm Rectangle 2400x1800mm	3.23	20.45	39.83	46.28	52.74	54.90
24mm Square 1200x1200mm	1.08	6.46	12.92	15.07	17.22	18.30
24mm Square 1800x1800mm	2.15	15.07	30.14	34.44	39.83	40.90

The graph represents the Sabins (ft²) in the third octave band center frequencies in accordance with ASTM C423.



Acoustic Performance - ISO A_{obj}, m²

Frequency (Hz)	125	250	500	1000	2000	4000
24mm Rectangle 1200x600mm	0.1	0.3	0.6	0.7	0.8	0.8
24mm Rectangle 1800x600mm	0.1	0.5	0.9	1.1	1.2	1.3
24mm Rectangle 1800x1200mm	0.2	0.9	1.9	2.1	2.4	2.5
24mm Rectangle 2400x1200mm	0.2	1.2	2.5	2.8	3.2	3.4
24mm Rectangle 2400x1800mm	0.3	1.9	3.7	4.3	4.9	5.1
24mm Square 1200x1200mm	0.1	0.6	1.2	1.4	1.6	1.7
24mm Square 1800x1800mm	0.2	1.4	2.8	3.2	3.7	3.8

The graph represents the equivalent sound absorption area per object (A_{obj}) in the third octave band center frequencies in accordance with ISO 20189. Measurement used Pink Noise as excitation signal in a reverberant room.

- 24mm Rectangle 1200x600mm
- 24mm Rectangle 1800x600mm
- 24mm Rectangle 1800x1200mm
- 24mm Rectangle 2400x1200mm
- 24mm Rectangle 2400x1800mm
- 24mm Square 1200x1200mm
- 24mm Square 1800x1800mm

Acoustic Test Results

	α_w	SAA	NRC
24mm Ceiling Panel 1800x2400mm ¹	0.75 (MH)	0.85	0.85
24mm Ceiling Panel 1800x2400mm ²	0.55 (MH)	0.72	0.70

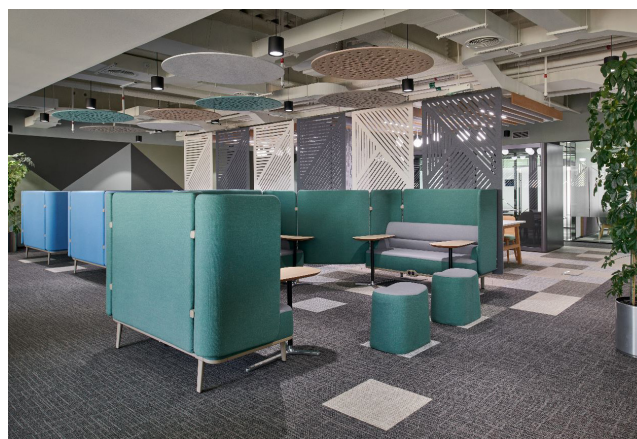
1 - Measured with 200mm air gap and open edges

2 - Measured with 200mm air gap, open edges and 18% perforation

The NRC rating is calculated as the average of the absorption coefficients measured at frequencies of 250Hz, 500Hz, 1000Hz and 2000Hz and rounded to the nearest 0.05. SAA rating is calculated as the average of the sound absorption coefficients of a material for the twelve one-third octave bands from 200Hz through 2500Hz and rounded off to the nearest 0.01.

Square and Rectangle Ceiling Panels

Reference Projects



Square and Rectangle Ceiling Panels

Additional Information

Online Resources

A variety of resources are available online for all of our products. Please visit the product's page for more information.



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Spec sheets and
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Colour families



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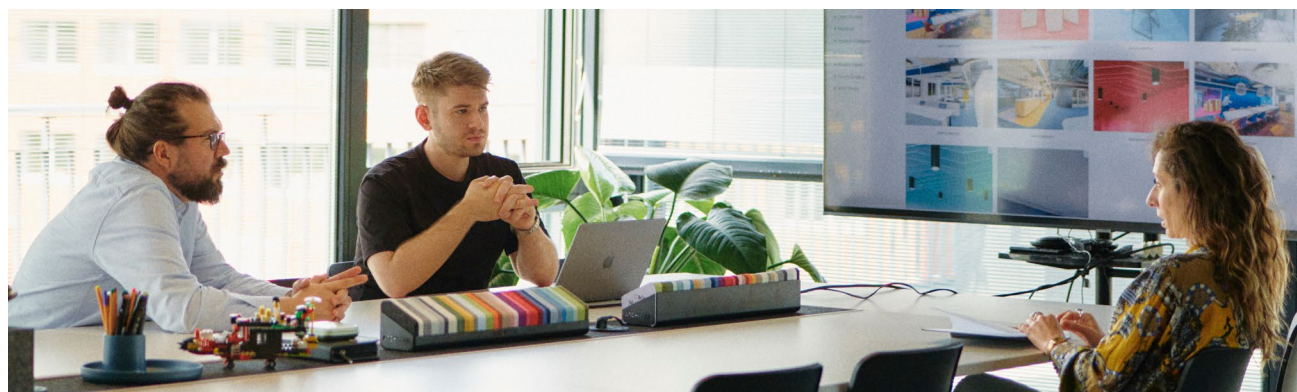
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Online form



¹ - Quote and Production times may vary.

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