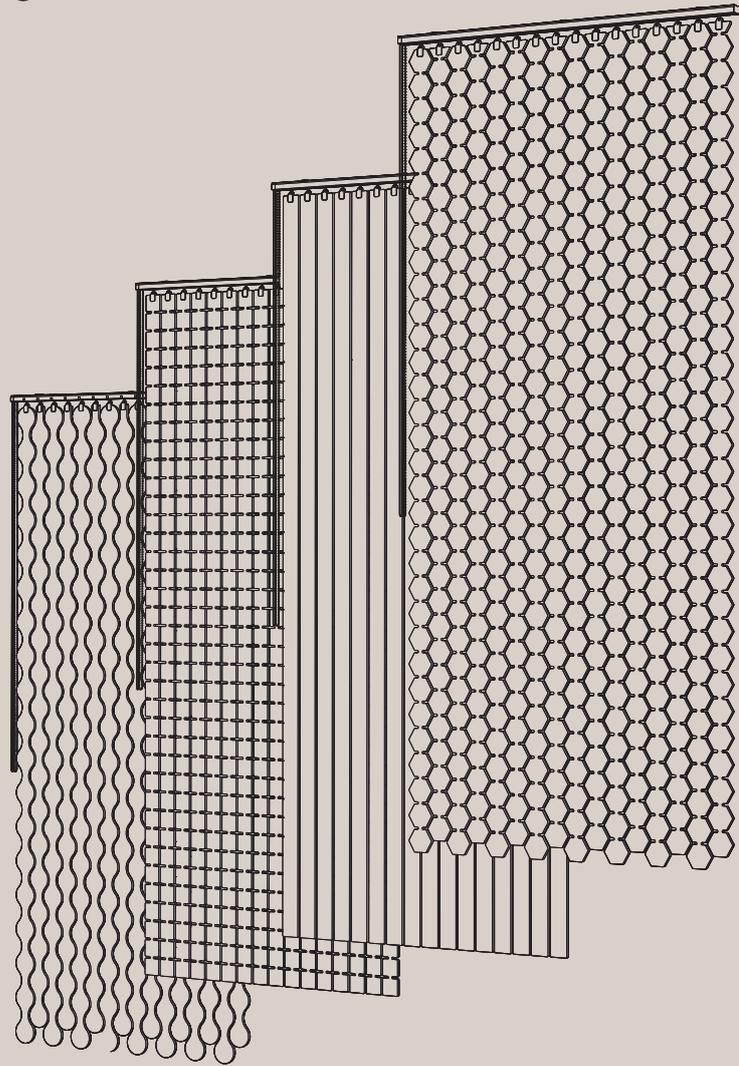# Pixels *by Rafa Ortega*
Retractable Room Division

746.12.01.000.00
746.12.02.000.00
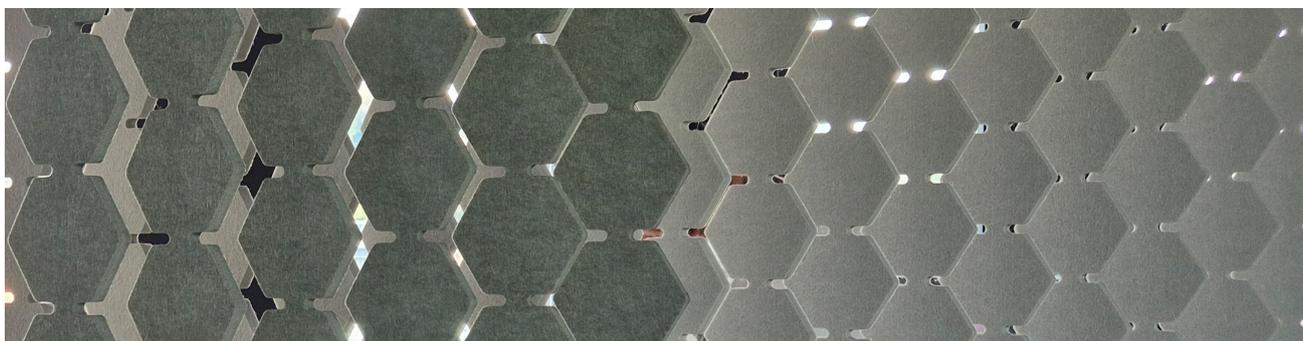746.12.03.000.00
746.12.04.000.00

Pixels Retractable Room Division
General Information

Data

Applicable article numbers

SQUARE	HEX	DROP	PLAIN
746.12.01.000.00	746.12.02.000.00	746.12.03.000.00	746.12.04.000.00

Dimensions[1]

Height	2820mm	111"	
Length	1250mm	49 ¼"	*custom length upon request - see page 6*

Material

Vertical Slats	ARCHISONIC® Felt - 100% PET (60% Post-consumer) in 45 colours
Rail	Steel (RAL9005)

Extended document available

Weight[2]

Full assembly	8.8 kg (±10%)	19.4 lbs (±10%)

Included

Acoustic Vertical Slats	Rails and components	Installation guide	Warranty 2 years[3]

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

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Pixels Retractable Room Division
## 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 personalized customized options.

1 Prepare this information:
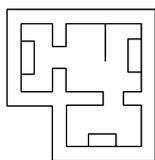
Project Area
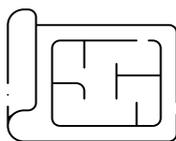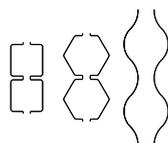

Ceiling Plans (RCP)

Other Considerations

2 Specify your design options:

Shape

page 7

Colours

page 12

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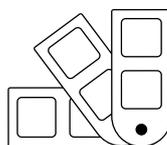
Pixels Retractable Room Division
Product Family Overview

1   **Pixels Retractable Room Division SQUARE - 1250mm (49 ¼")**   *746.12.01.000.00*

	Dimensions[1]	
Wo	Total width (open slats)	67mm / 2.6"
Wc	Total width (closed slats)	50mm / 2"
L	Total length	1250mm / 49 ¼"
H	Total height	2821mm / 111"
P	ARCHISONIC® Felt	12mm / 0.47"

closed slats

open slats

2   **Pixels Retractable Room Division HEX - 1250mm (49 ¼")**   *746.12.02.000.00*
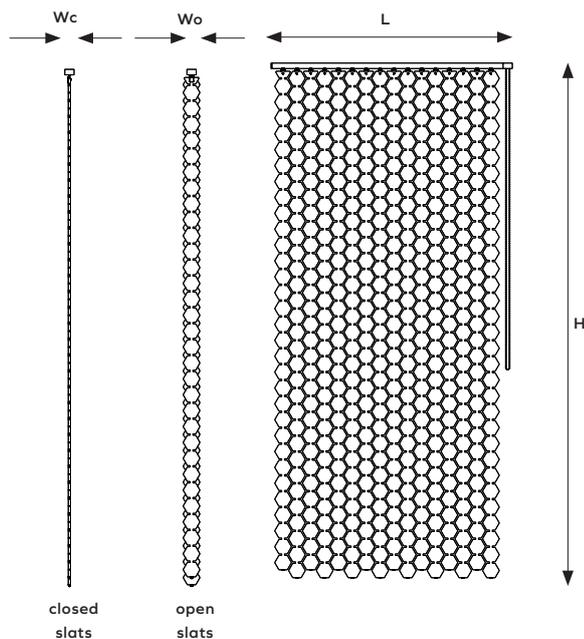
	Dimensions[1]	
Wo	Total width (open slats)	89mm / 3.5"
Wc	Total width (closed slats)	50mm / 2"
L	Total length	1250mm / 49 ¼"
H	Total height	2816mm / 110.8"
P	ARCHISONIC® Felt	12mm / 0.47"

closed slats

open slats

1 - All dimensions are nominal
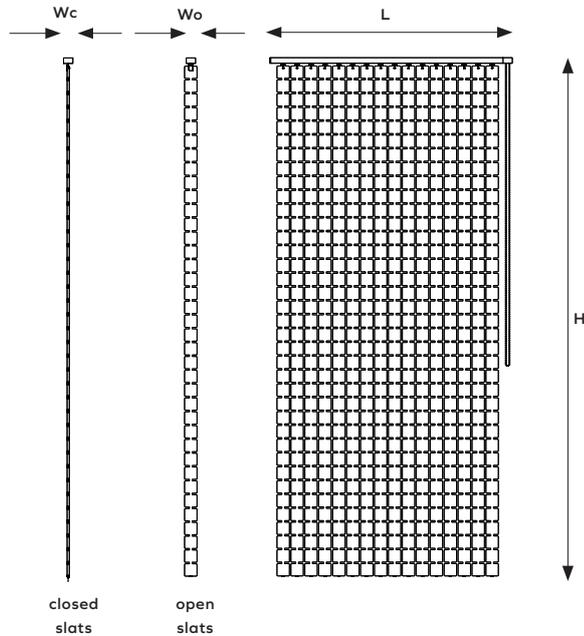
Pixels Retractable Room Division
Product Family Overview

3 **Pixels Retractable Room Division DROP - 1250mm (49 ¼")** *746.12.03.000.00*

closed
slats
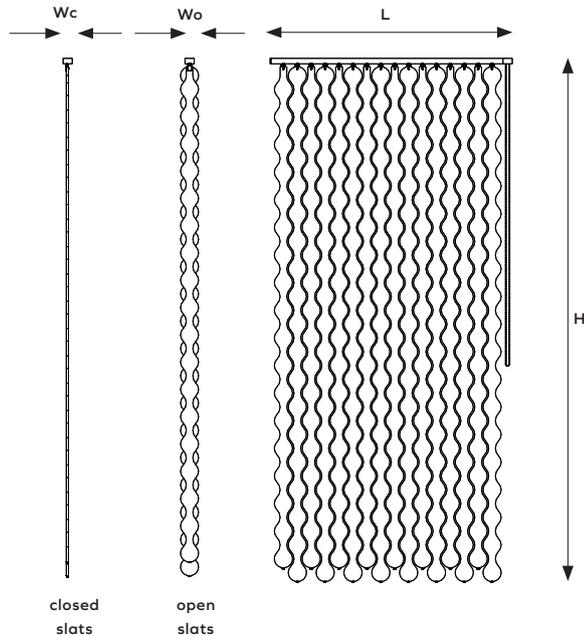
open
slats

Dimensions¹

Wo	Total width (open slats)	98mm / 3.9″
Wc	Total width (closed slats)	50mm / 2″
L	Total length	1250mm / 49 ¼″
H	Total height	2853mm / 112.3″
P	ARCHISONIC® Felt	12mm / 0.47″

4 **Pixels Retractable Room Division PLAIN - 1250mm (49 ¼")** *746.12.04.000.00*
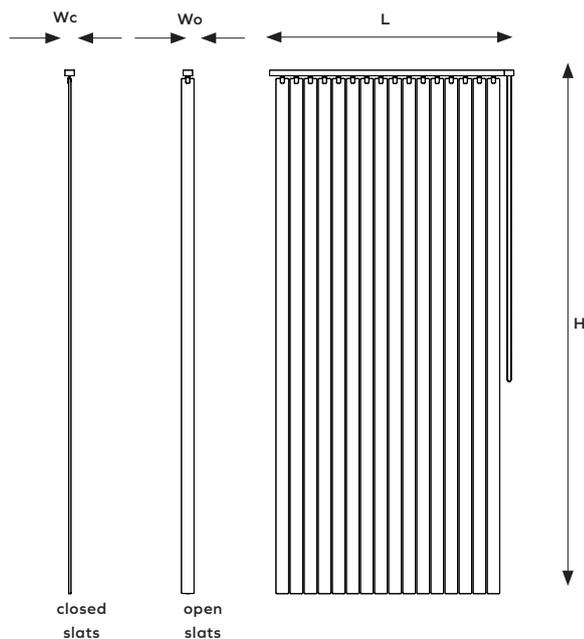
closed
slats

open
slats

Dimensions¹

Wo	Total width (open slats)	67mm /2.6″
Wc	Total width (closed slats)	50mm / 2″
L	Total length	1250mm / 49 ¼″
H	Total height	2821mm / 111″
P	ARCHISONIC® Felt	12mm / 0.47″

1 - All dimensions are nominal

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Pixels Retractable Room Division
Custom product width[1]

Standard product length of 1250mm can be modified **upon request only for orders above 50lm /160lf of total length**. The minimum available length of the profile is L_{min} **650mm/25.6"** and the maximum length is L_{max} **1400mm/55.12".** The length can be only modified in modules of **M 75mm/2.95".**

Please note that **custom lead time and pricing** will apply. Contact us for more detail.

For the reference, see drawing below.

1 - All dimensions are nominal

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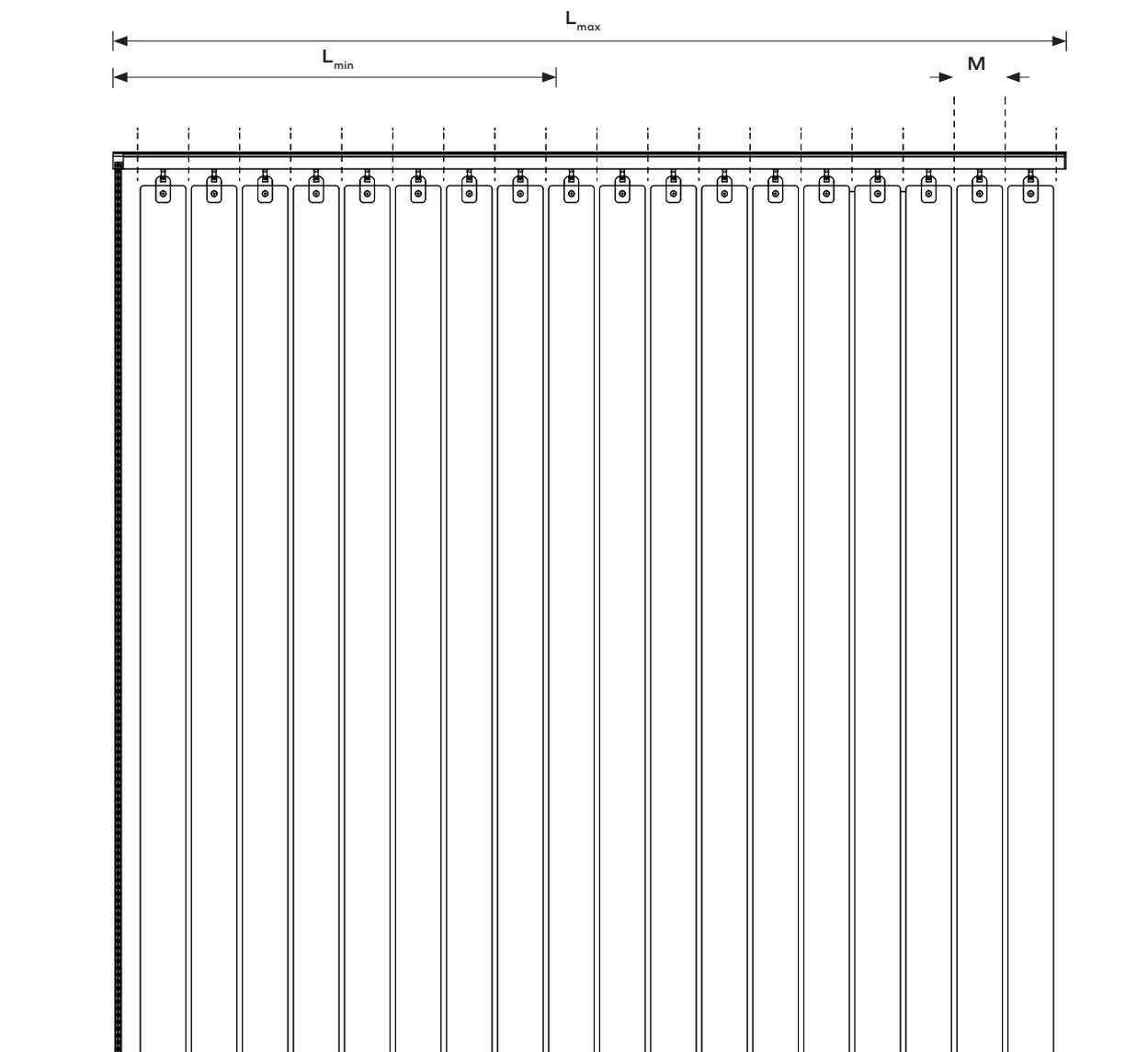
Pixels Retractable Room Division
Available Shapes

1 **Square**
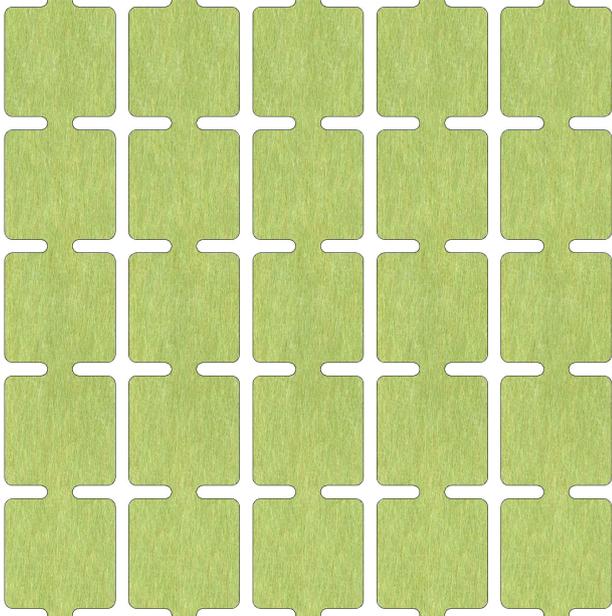
2 **Hex**
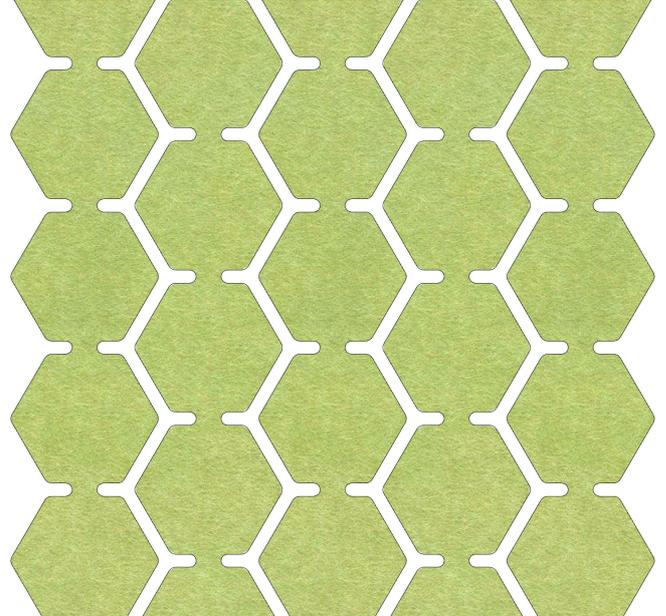
3 **Drop**

4 **Plain**
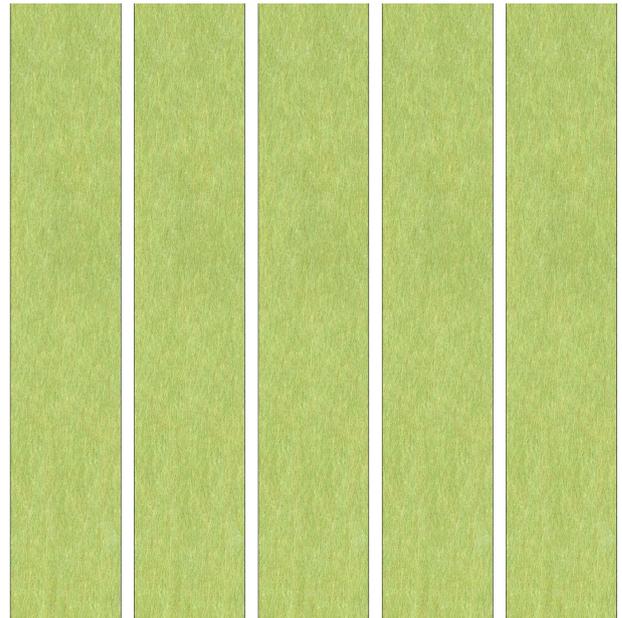
NOTE: Only a portion of the product is represented here

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Pixels Retractable Room Division
Sliding System

Operations

The mechanism on this vertical curtain division allows for the following operations:

Sliding slats from a stacked position to an extended position
Rotating slats for an open or closed position

Extended Open Position	Extended Open Position	Extended Closed Position
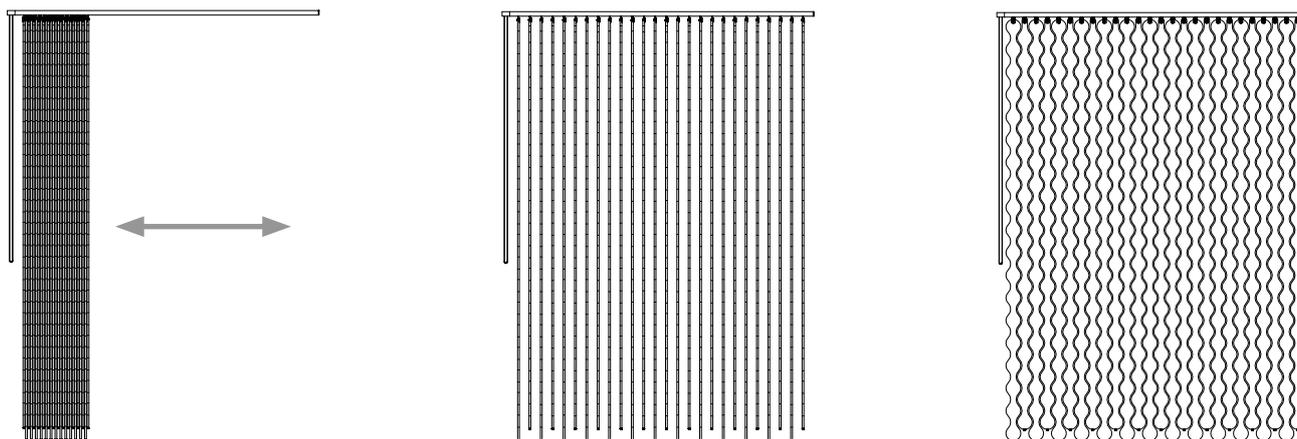
Sliding

The sliding always happen in the same direction. When the vertical slats are stacked, they remain close to the chain mechanism. If you want to change the direction of the sliding, you can always rotate the whole module in the horizontal plane by 180° upon installation.

Stacked Slats on the Left	Stacked Slats on the Right
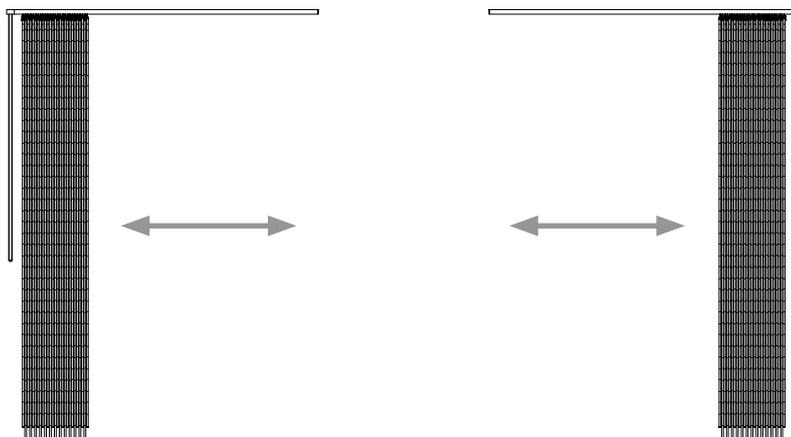
NOTE: Only one Length and Shape Option of this product is represented here. The same information applies to all product options.

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Pixels Retractable Room Division
Combination of Modules

It is possible to install the modules right next to each other to create different configurations. It is important to note that you will have to plan this properly so that the chain system for operating the curtains remains at an optimal location.

Below you will see an example of how to combine two modules for a centered opening.
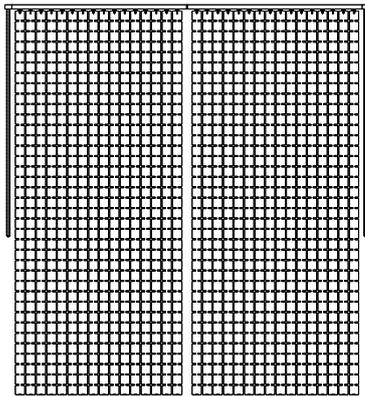
Extended Closed Position
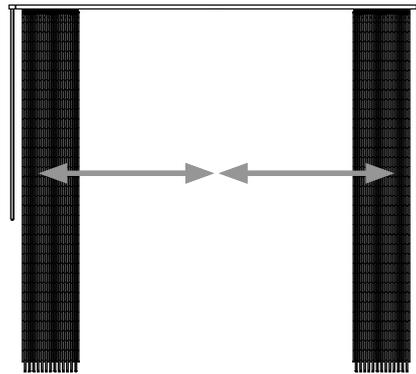
Stacked Position

On the example above you will notice the following:

- These modules are symmetrical, so there will be an opening in the center that indicates where the curtain will open. This can be changes upon installation !
- There will be two different chain mechanism located at each side to operate each module independently.

On-site adjustments

The height of the slats can be adjusted on site if needed. For this, we recommend to cut the slats at the junction between the shapes, following the diagram below:

Online Video Available
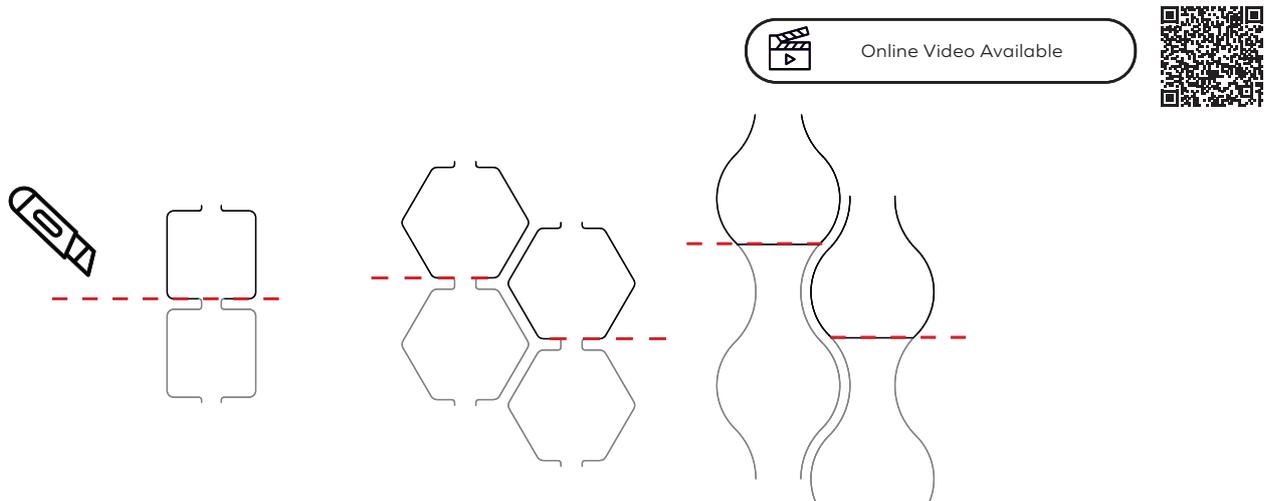
Please note no modifcations to the length of the rail can be made on site. The mechanism inside the rail has been specifcally assembled for the rail's length. If you require custom lengths, contact our Project Management Team.

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Pixel Retractable Room Division
Components

Safety ring

Hangers
Clear Polycarbonate

Chain and Wire Mechanism
White Finish

Rail System with mounting clips
White Finish

50mm / 2"

30mm / 1 1/4"

45mm / 1 3/4"

Acoustic Vertical Slats
ARCHISONIC® Felt 12mm
Available in 45 colours

All dimensions are nominal

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Pixels Retractable Room Division
Installation Overview

1   Install the rail and fix the hangers
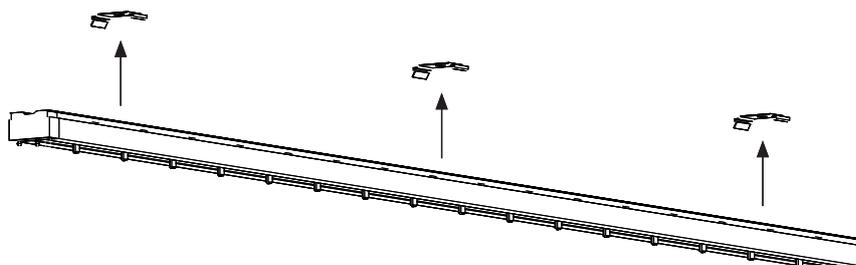
2   Attach hangers to the slats
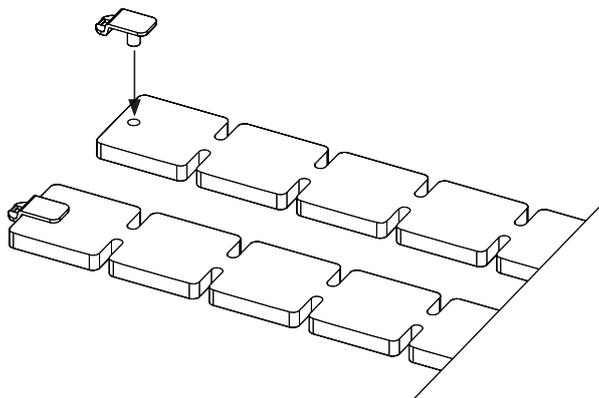
4   Secure the interface clips with the safety rings and fix slats to hangers

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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

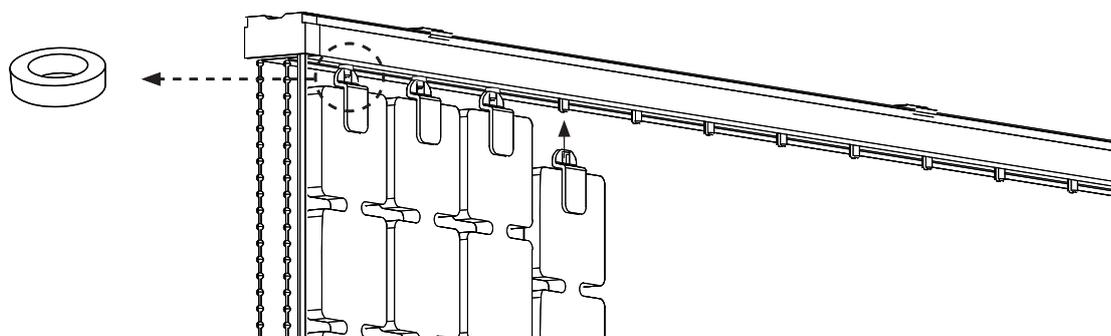| Name	Linen	Dune	Jute	Fallow	Warm Stone	Truffle	Sunshine	Honeycomb	Electric Orange
Code	107	104	920	238	105	539	846	139	464
NCS	S 1505-Y30R	S 2005-Y	S 3010-Y30R	S 5010-Y30R	S 3010-Y50R	S 8502-R	S 1040-Y10R	S 2050-Y20R	S 0580-Y70R

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.

ARCHISONIC®

Colours

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

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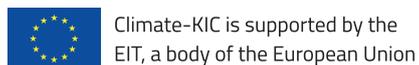# Pixels Retractable Room Division
Tender Text

Product Name	Pixels Retractable Division
Content	ARCHISONIC® Felt 12mm 100% PET (60% certified post-consumer content) Steel Rails
Sizes	2850mm (H) x 1250mm (L) *(Height ranges from 2816mm - 2853mm, depending on the variation)*
Density[1]	2.4 Kg/m² (0.49 lbs/sqft)
Acoustic[2]	**EN ISO 354:2003**: αw=0.4(H) **ASTM C423-17**: NRC=0.40
Colours and finishes	**45 colours** (see ARCHISONIC® Felt Colour page for more information)
Fire Rating	DIN EN 13501-1: **B-s1, d0** ASTM E84 **Class A**
Warranty & Support	2-Year warranty[3]. Design support (incl. 1x revision).
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.

1 - all values are nominal   2 - acoustic data refers to ARCHISONIC Felt 12mm material   3 - Impact Acoustic warranty terms apply

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

eit Climate-KIC   Declare.   DANAK TEST Reg.nr. 522

CERTIFIED cradle to cradle BRONZE   UL CERTIFIED ENVIRONMENTAL PRODUCT DECLARATION UL.COM/EPD   U.S. GREEN BUILDING COUNCIL MEMBER   LEED   eco 1 ecobau Cert.   CERTIFIED RECYCLED CONTENT SCS GLOBAL SERVICES MINIMUM 60% RECYCLED CONTENT POST-CONSUMER   CODE FOR A SUSTAINABLE BUILT ENVIRONMENT BREEAM   ilac-MRA

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Pixels Retractable Room Division
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
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 Test Results

	αw	SAA	NRC
12mm Pixels - Hanging Partition[1]	0.40 (H)	0.39	0.40
12mm Pixels - Closed Configuration[2]	0.45 (MH)	0.54	0.55
12mm Pixels - Half Open Configuration[2]	0.35 (H)	0.41	0.40
12mm Pixels - Open Configuration[2]	0.30 (H)	0.30	0.30

1 - Measured free-hanging at the center of the testing facility
2 - Measured with a 150mm air gap between the panel and the wall surface

The NRC rating is calculated as the average of the absorption coefficients measured at frequencies of 250Hz, 500Hz, 1000Hz and 2000Hz and round 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.

Acoustic Performance

Frequency (Hz)		125	250	500	1000	2000	4000
12mm Pixels - Hanging Partition	α_p	0.10	0.20	0.30	0.45	0.60	0.60
12mm Pixels - Closed Configuration	α_p	0.05	0.15	0.50	0.80	0.75	0.90
12mm Pixels - Half Open Configuration	α_p	0.05	0.10	0.30	0.55	0.70	0.90
12mm Pixels - Open Configuration	α_p	0.05	0.10	0.20	0.30	0.55	0.90
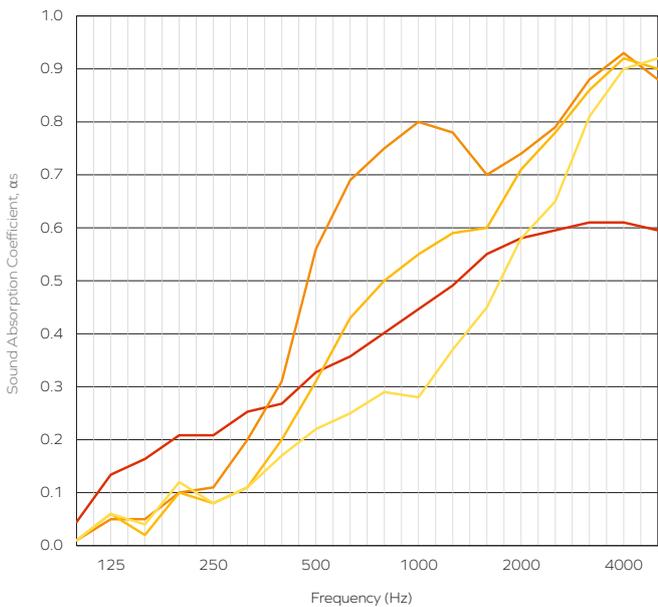
- 12mm Pixels - Hanging Partition
- 12mm Pixels - Closed Configuration
- 12mm Pixels - Half Open Configuration
- 12mm Hanging Partition

The table represents the practical sound absorption coefficient (α_p) in accordance with ISO 11654. The graph represents the sound absorption coefficients (αs) in the third octave band center frequencies in accordance with ISO 354. Measurement used Pink Noise as excitation signal in a reverberant room.

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Pixels Retractable Room Division
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.

CAD files	Spec sheets and Installation Guide	Colour families	Instruction videos	Associated products specs

Ordering Process

Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfill the majority of our orders in as little as 21 days[1] from your first point of contact, allowing you to focus on what truly matters to you.

Contact our consultant	Quote[1] 48h Order Confirmation	Production[1] 6 - 8 Weeks Dispatch	Transit location based Delivery

Contact Us

Ready to make an impact? We are just an email or call away to discuss your project and answer any question.

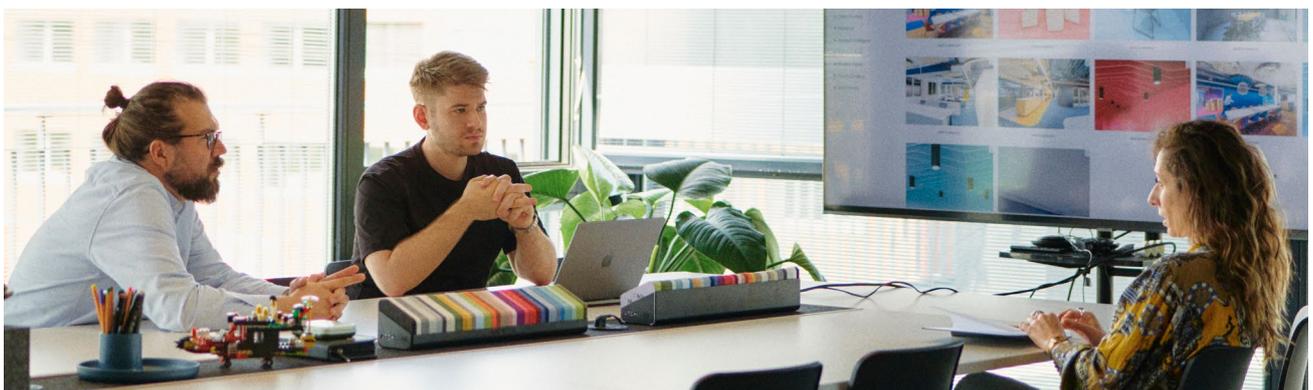+41 41 244 14 00   connect@impactacoustic.com   Online form

1 - Quote and Production times may vary.

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