IMPACT ACOUSTIC®

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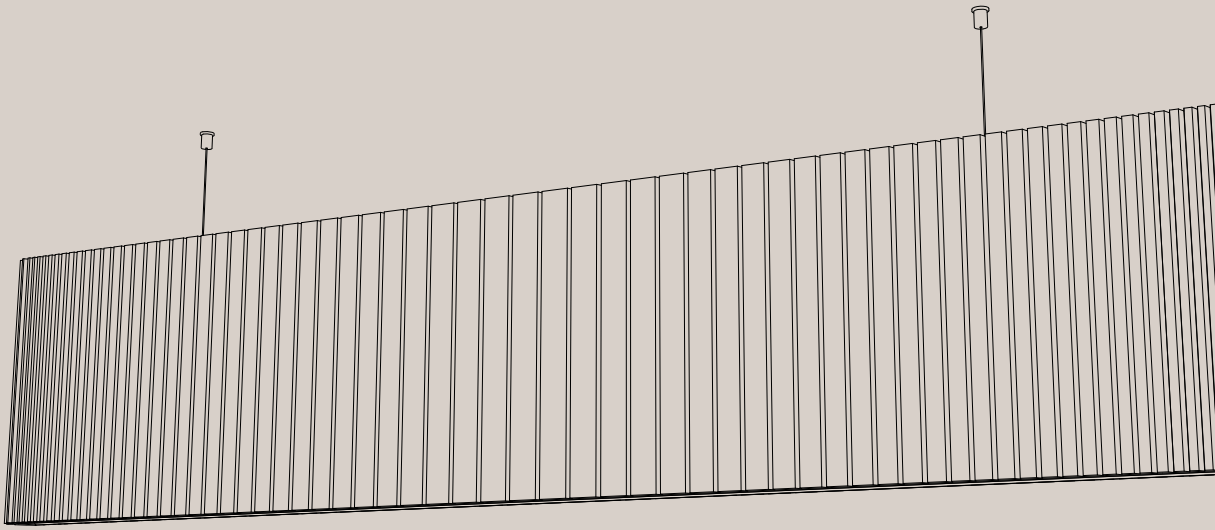
habitatmatter.com
spec@habitatmatter.com

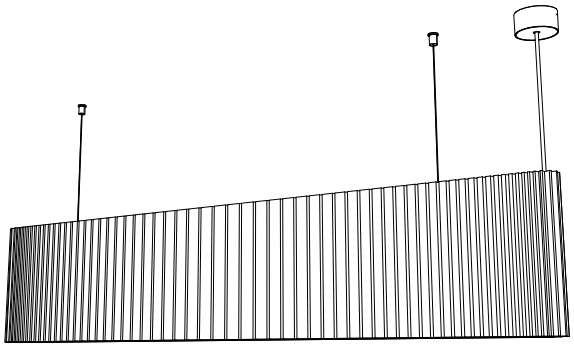


Sensa
Acoustic Lighting

723.12.10.000.00
723.12.11.000.00

TECHNICAL DATA SHEET

Sensa
Acoustic Lighting



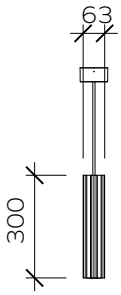
Article Number
723.12.10.000.00

Dimensions

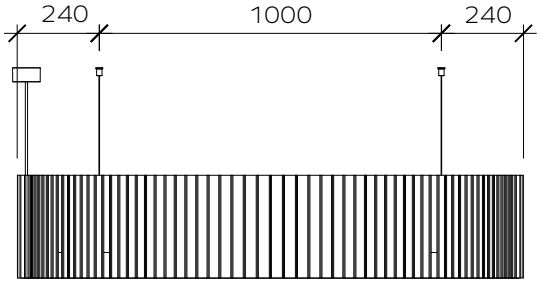
Length	1480mm	58.26″
Width	63mm	2.48″
Height	300mm	11.81″

Information
1 pc., incl. installation kit

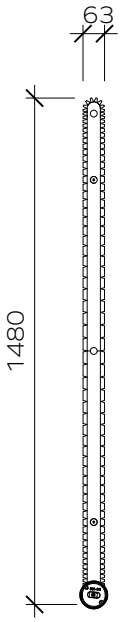
Side



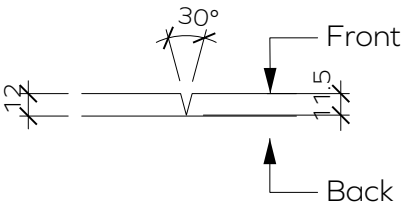
Front



Plan



V-cut Detail



IMPACT ACOUSTIC® Bodenhof 4, 6014 Luzern (Switzerland)

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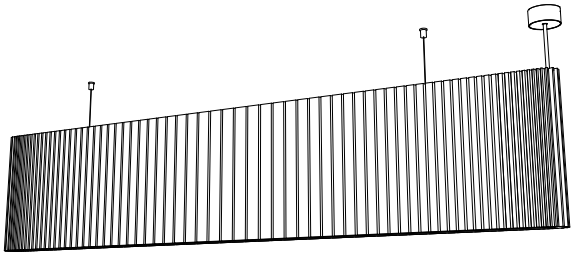
Sensa
Acoustic Lighting



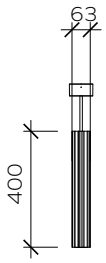
Article Number
723.12.11.000.00

Dimensions

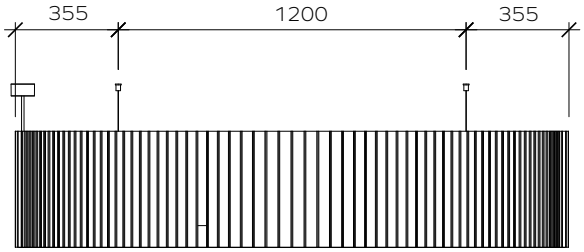
Length	1910mm	75.19″
Width	63mm	2.48″
Height	400mm	15.74″

Information
1 pc., incl. installation kit

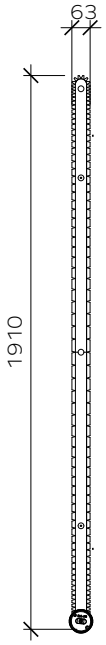
Side



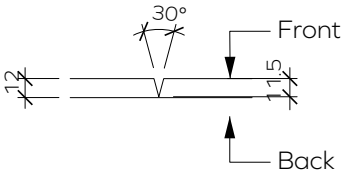
Front



Plan



V-cut Detail



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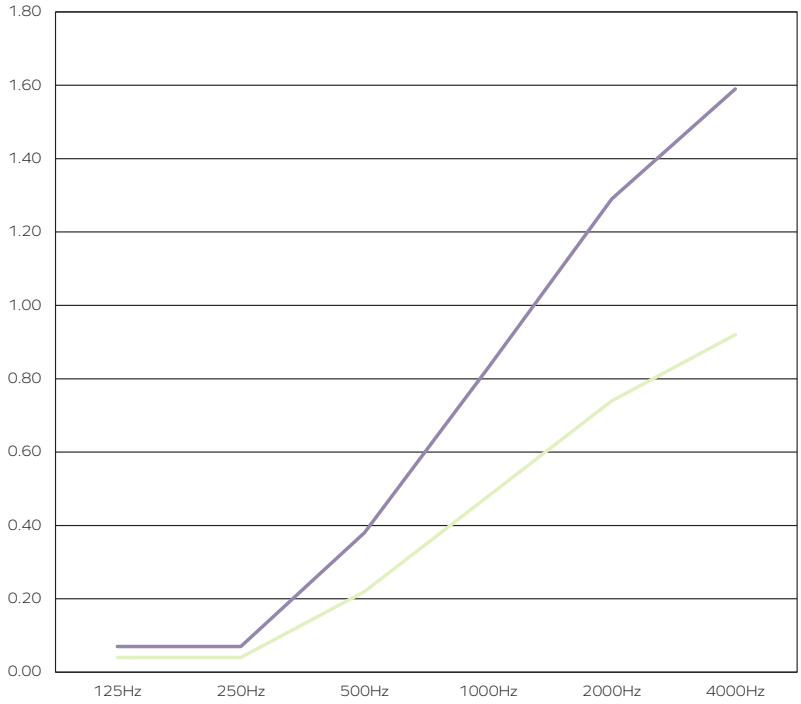
Sensa
Acoustic Lighting

Acoustic Technical Specifications

Sensa Acoustic Lighting 12mm	Equivalent Absorption Surface Area for an object (Aeq)					
Frequency (Hz)	**125**	**250**	**500**	**1000**	**2000**	**4000**
Sensa (1480mm)	0.04	0.04	0.22	0.48	0.74	0.92
Sensa (1910mm)	0.07	0.07	0.38	0.83	1.29	1.59

Equivalent Absorption Coefficient for an object (Aeq)
Universität Stuttgart – Institut für Akustik und Bauphysik IABP

University of Stuttgart
Germany



"Just like sound, lighting appeals to the senses and is a driver for a good work environment and contributes to your health and well-being and should be synced with your circadian rhythm. However, if every evening you're the last person to switch off the lights in the office, you might have a tag on your back saying "overachiever".

– Daniel Verlooven,
Global Acoustic Ambassador

Sensa - 1480mm
Sensa - 1910mm

The graph represents the equivalent absorption surface area for an object (Aeq). Measurement used Pink Noise as excitation signal in a reverberant room.

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Sensa
Acoustic Lighting

Lighting Technical Specifications

PROLICHT

Electrical

Voltage	220-240V
Control gear needed	Yes
Control gear included	Yes
Dimming	DALI

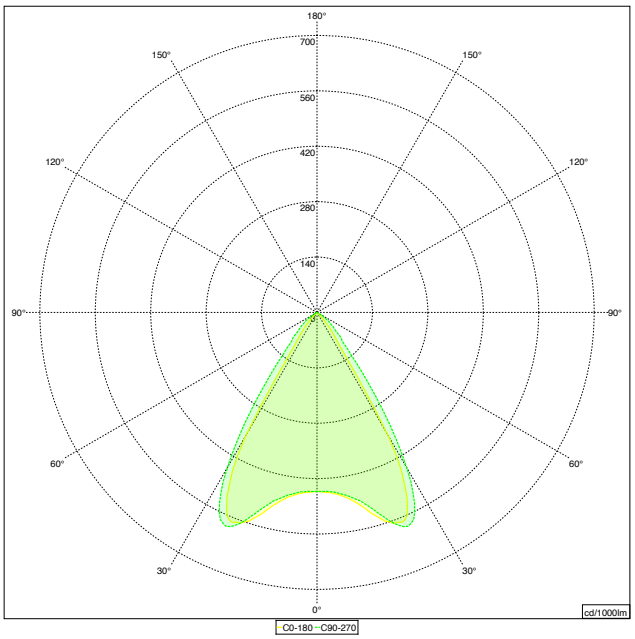
Dimensions

Size	1454mm / 1884mm
Height	90mm

Light

Light Distribution	Direct
Diffuser	Rico
FWHM / Beam Angle	66°
Lamp Type	LED
Total Power	31 W / 41 W
Luminous Flux of Light Source	4488 lm / 5835 lm
Usable luminous flux	3061 lm / 3980 lm
Colour rendering index (CRI)	90
MacAdam	3
Colour temperature (CCT)	4000 K

Polar Curve



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ARCHISONIC®
Colours

Quiet Neutrals

12mm & 24 mm

These shades work in harmony with natural textural materials and soften industrial environments. From light to dark and cool to warm, these are the foundations of any scheme where longevity and a mood of calm is desired.

Snow White
500

Cloud
103

Smoke
442

Ground
108

Charcoal
542

Slate
444

Raven
550

Linen
107

Jute
920

Warm Naturals

12mm & 24 mm

Combinations of lighter toned neutrals and pinks have a gently soothing and restorative effect while the more saturated hues make perfect environments for relaxation.

Warm Stone
105

Milk
404

Shell Pink
102

Soft Coral
516

Terracotta
239

Garnet
724

Linen
107

Jute
920

Honeycomb
139

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ARCHISONIC®
Colours

Living Greens

12mm & 24 mm

From the cool greens of forests to the yellowed aspect of young wheat, we see Living Greens breathing life into indoor spaces, and an essential palette for the future. Use in tonal layers brings the depth and diversity of green, while a single note can provide an ampli-fying backdrop to a biophilic space.

Spearmint
706

Succulent
712

Moss
439

Nordic Pine
311

Grove
317

Elemental Blues

12mm & 24 mm

These blues work perfectly both as familiar single hues and in effortless tonal layers to create an immersive environment for focus or resto-ration.

Ice Blue
304

Winter Sky
410

Marine Blue
864

Pacific Ocean
432

Midnight
810

Deep Sea
918

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ARCHISONIC®
Colours

Soothing Pastels

12mm & 24 mm

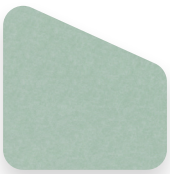
With tonal duos of pink and blue and green, this perfectly balanced group is designed for peaceful plays on light and shade and playful contrast. While the lightest tones have a dreamlike quality, their deeper counterparts add a subtle grounding.

Shell Pink
102

Soft Coral
516

Ice Blue
304

Winter Sky
410



Spearmint
706

Succulent
712

Elegant Darks

12mm & 24 mm

While colour can create a mood, it is the depth or lightness of a hue that truly defines the emotion. While each hue has the strength to stand alone, beautiful effects can be achieved with harmonized pairs.

Garnet
724

Marine Blue
864

Midnight
810

Nordic Pine
311

Raven
550

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ARCHISONIC®
Colours

Energetic Brights

12mm & 24 mm

There are no rules here with endless possibilities for clashing contrasts or surprising highlights. For a sophis-ti-cated use of energetic colour, take a single hue and colour match con-trasting textiles and solid surfaces.

Pacific Ocean
432

Moss
439

Sunshine
846

Electric Orange
464

Hot Pink
140

Primary Play

12mm & 24 mm

The primary story happens when all three main colours are used together, with varied proportions creating differing moods. As with the Energetic Brights palette, combine with coordinating-coloured textiles and solid surfaces.

Snow White
500

Charcoal
542

Sunshine
846

Poster Red
662

Marine Blue
864

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ARCHISONIC®
Material

Composition

100% PET (60% certified post-consumer content)

Material Reutilisation

24mm
88 PET bottles/m²

12mm
53 PET bottles/m²

Density

24mm
4000 g/m² (+/-10%)

12mm
2400 g/m² (+/-10%)

Dimensions Raw Panels

24mm
1800 x 2400 x 24mm
70" x 94" x 0.94" (+/-7%)

12mm
1200 x 2800 x 12mm
47" x 110" x 0.47" (+/-7%)

Fire Test

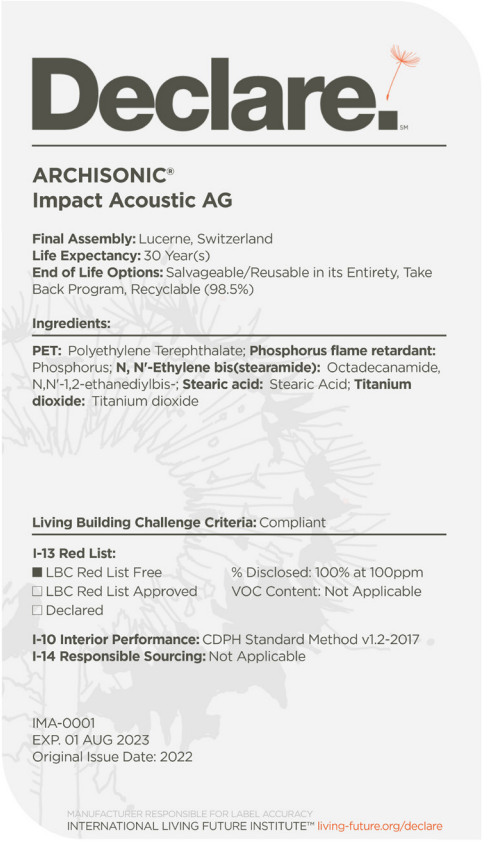
B-s1, d0
DIN EN 13501-1

Class A
ASTM E84

VOC Emission

A+
28 Days French Regulation

Pass
14 Days CDPH/EHLB



Declare.

ARCHISONIC®
Impact Acoustic AG

Final Assembly: Lucerne, Switzerland
Life Expectancy: 30 Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Take Back Program, Recyclable (98.5%)

Ingredients:

PET: Polyethylene Terephthalate; **Phosphorus flame retardant:** Phosphorus; **N, N'-Ethylene bis(stearamide):** Octadecanamide, N,N'-1,2-ethanediylbis-; **Stearic acid:** Stearic Acid; **Titanium dioxide:** Titanium dioxide

Living Building Challenge Criteria: Compliant

I-13 Red List:
■ LBC Red List Free
☐ LBC Red List Approved
☐ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: CDPH Standard Method v1.2-2017
I-14 Responsible Sourcing: Not Applicable

IMA-0001
EXP. 01 AUG 2023
Original Issue Date: 2022

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

Care Instructions

PET fibres do not provide a breeding ground for bacteria and other germs. The dyed-through fibres do not bleach out even when using aggressive cleaning agents and disinfectants. Alcohols, aldehydes or active chlorine can be used for cleaning.

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.

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ARCHISONIC®
Material

Matching NCS Colour Codes

Developed by Colour Hive

Quiet Neutrals	500	103	442	108	542	444	550	107	920
NCS Code	**S 0300-N**	**S 1002-B**	**S 3005-R80B**	**S 5005-Y20R**	**S 7502-B**	**S 4500-N**	**S 8500-N**	**S 1505-Y30R**	**S 3010-Y30R**
Warm Naturals	105	404	102	516	239	724	107	920	139
NCS Code	**S 3010-Y50R**	**S 0502-Y**	**S 0510-R30B**	**S 2020-Y90R**	**S 4040-Y70R**	**S 5040-R10B**	**S 1505-Y30R**	**S 3010-Y30R**	**S 2050-Y20R**
Living Greens	706	712	439	311	317				
NCS Code	**S 1010-B90G**	**S 3020-B30G**	**S 2040-G40Y**	**S 5030-G10Y**	**S 7020-G30Y**				
Elemental Blues	304	410	864	432	810	918			
NCS Code	**S 0510-B**	**S 2020-R90B**	**S 4050-R70B**	**S 3040-B**	**S 7020-R70B**	**S 5020-R90B**			
Soothing Pastels	102	516	304	410	706	712			
NCS Code	**S 0510-R30B**	**S 2020-Y90R**	**S 0510-B**	**S 2020-R90B**	**S 1010-B90G**	**S 3020-B30G**			
Elegant Darks	724	846	810	311	550				
NCS Code	**S 5040-R10B**	**S 4050-R70B**	**S 7020-R70B**	**S 5030-G10Y**	**S 8500-N**				
Energetic Brights	432	439	846	464	140	540			
NCS Code	**S 3040-B**	**S 2040-G40Y**	**S 1040-Y10R**	**S 0580-Y70R**	**S 2060-R20B**	**S 5040-R40B**			
Primary Play	500	542	846	662	864				
NCS Code	**S 0300-N**	**S 7502-B**	**S 1040-Y10R**	**S 1080-R**	**S 4050-R70B**				

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

Colour fastness

Class 6

ISO 105-B02:A1

Colour and surface deviation

ARCHISONIC® is manufactured to the highest quality standards, but slight colour and surface variations caused by the high percentage of recycled fibers are an unavoidable part of the product characteristics and do not claim warranty. Please request a free sample box to verify the colours.

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ARCHISONIC®
Material

Light Reflection

Hochschule Luzern – Institut für Gebäudetechnik | Energie

HSLU Hochschule Luzern

Quiet Neutrals	500	103	442	108	542	444	550	107	920
Reflection ρ	**61.9%**	**51.4%**	**34.6%**	**22.5%**	**6%**	**7.9%**	**2.6%**		
Warm Naturals	105	404	102	516	239	724	107	920	139
Reflection ρ	**27.5%**	**59.3%**	**55.2%**	**34.1%**	**10.3%**	**4.1%**			
Living Greens	706	712	439	311	317				
Reflection ρ	**51.7%**	**27.7%**	**33.2%**	**10.3%**	**9.6%**				
Elemental Blues	304	410	864	432	810	918			
Reflection ρ	**60%**	**32%**	**9.5%**	**15.2%**	**3.7%**				
Soothing Pastels	102	516	304	410	706	712			
Reflection ρ	**55.2%**	**34.1%**	**60%**	**32%**	**51.7%**	**27.7%**			
Elegant Darks	724	846	810	311	550				
Reflection ρ	**4.1%**	**9.7%**	**3.7%**	**10.3%**	**2.6%**				
Energetic Brights	432	439	846	464	140	540			
Reflection ρ	**15.2%**	**33.2%**	**44.3%**	**26.8%**	**12.2%**	**5.5%**			
Primary Play	500	542	846	662	864				
Reflection ρ	**61.9%**	**6%**	**44.3%**	**12.5%**	**9.5%**				

Sustainability

CERTIFIED cradle to cradle BRONZE

UL CERTIFIED ENVIRONMENTAL PRODUCT DECLARATION UL.COM/EPD

U.S. GREEN BUILDING COUNCIL MEMBER

LEADERSHIP IN ENERGY & ENVIRONMENTAL DESIGN LEED

eco 1 ecobau Cert.

CERTIFIED RECYCLED CONTENT SCS GLOBAL SERVICES TM

MINIMUM 60% RECYCLED CONTENT POST-CONSUMER

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#We MakeAn Impact

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