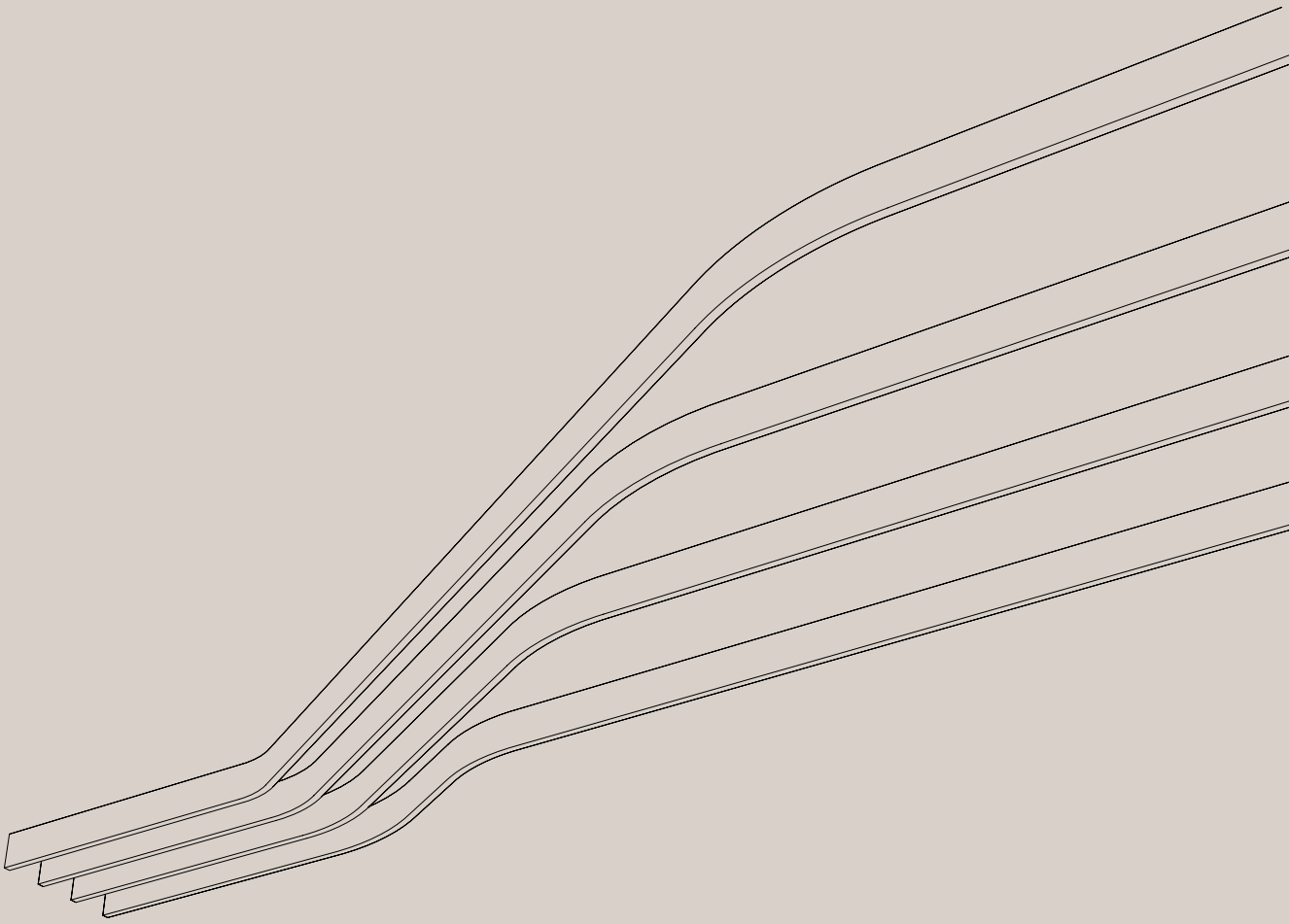
IMPACT ACOUSTIC®



Libra

Volumetric Baffles

716.12.30.000.00 716.12.31.000.00.00
716.12.31.000.00 716.12.32.000.00.00
716.12.32.000.00

TECHNICAL DATA SHEET

Libra Volumetric Baffles
General Information



Data

Applicable article numbers

Libra Volumetric Baffles (per lm)

716.12.30.000.00 - Libra Baffle S

716.12.31.000.00 - Libra Baffle M

716.12.32.000.00 - Libra Baffle L

Libra Light Volumetric Baffles (per lm)

716.12.31.000.00.00 - Libra Light Baffle M

716.12.32.000.00.00 - Libra Light Baffle L

Dimensions[1]

	Libra without Light		Libra with Light	
Height	100-580mm	4-23″	200-580mm	8-23″
Width	50-200mm	2-8″	80-200mm	3 1/4-8″

Material

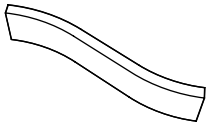
Libra Baffle	100% PET (60% post-consumer) in 45 Felt colours, 11 Printed textures (Riftcut, Terrazzo and Travertine)

Weight[2]

ARCHISONIC® Felt 12mm	2.4 kg/m2 (±10%)	0.49 lbs/sqft (±10%)

Included

Libra Baffles (Assembled)



Suspension Kits



Installation guide



Warranty 2 years[3]



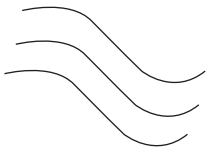
1 - all dimensions are nominal 2 - all weight values are nominal 3 - Impact Acoustic warranty terms apply

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

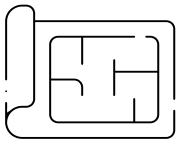
Libra Volumetric Baffles
Specification Guide

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.

Provide us with:



Design Intent
as 2D vector curves

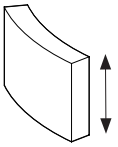


Ceiling Plans (RCP)



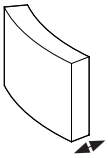
Other Considerations

Select:



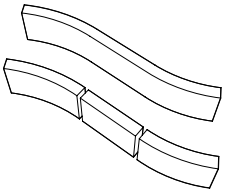
Baffle Height

page 4

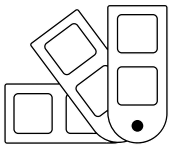


Baffle Width

page 4



Continous
or
Segmented



Colour and
Texture

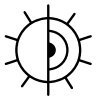
page 10, 12 and 13

Select additionally for light:



Light Colour
Temperature

page 7



Dimming Type

page 7

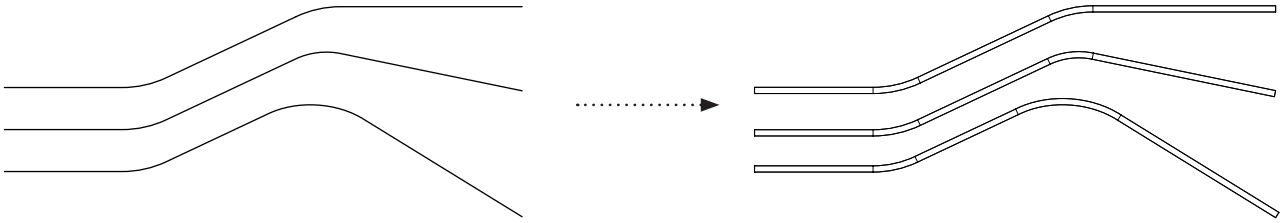
(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Libra Volumetric Baffles

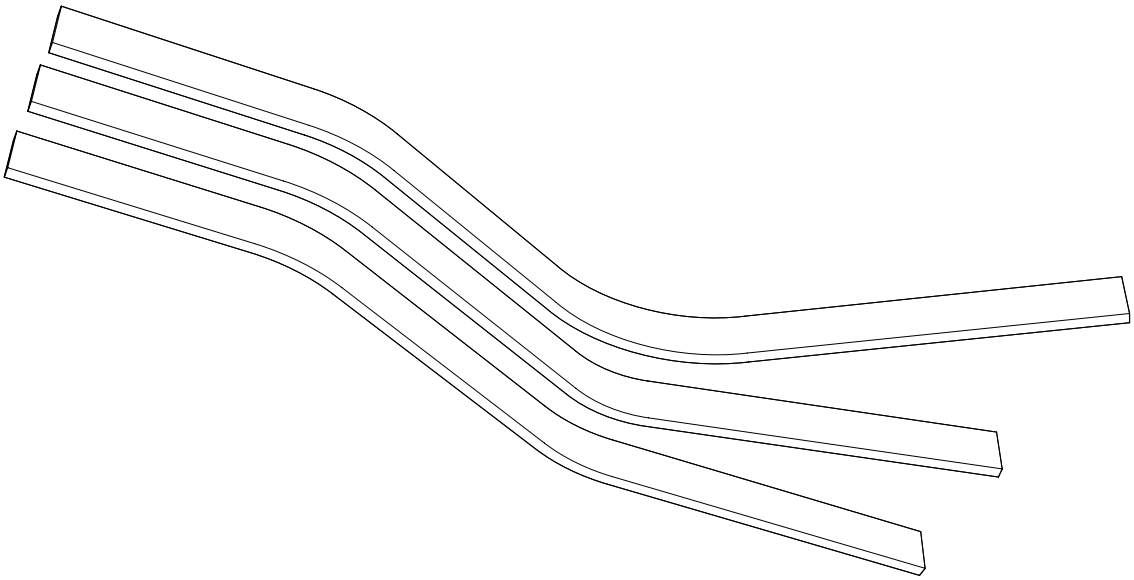
Geometry Information

Draw your baffle

Baffle Height[1]	Baffle Width[1]	% Curved[2]	min. radius	Colours	Light integration
100-580mm (4-23″)	50-200mm (2-8″)	up to 25%	R250mm (10″)	45 Felt colours + print	16mm LED light



2D Curve Drawing **3D Curve Baffles**



	LIBRA Baffle S	LIBRA Baffle M	LIBRA Baffle L
Product Number	716.12.30.000.00	716.12.31.000.00	716.12.32.000.00
Baffle Height[1]	100-195mm (4 - 7¾″)	200-380mm (8-15″)	385-580mm (15¼ - 23″)
Baffle Width[1]	50-75mm (2-3″)	80-125mm (3¼ - 5″)	130-200mm (5¼ - 8″)
Min. Curvature[1]	R=250mm (10″)	R=250mm (10″)	R=250mm (10″)
Max % of Curved[1]	25%	25%	25%

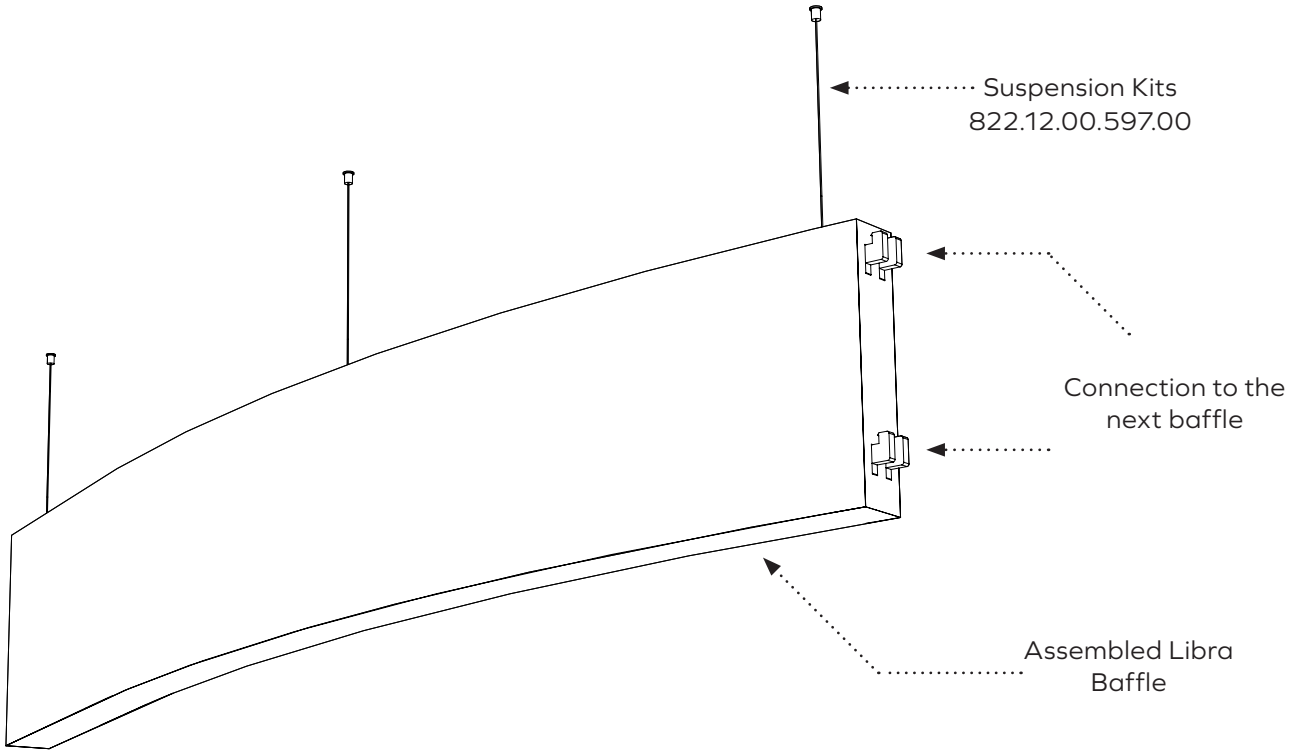
[1] all values are nominal [2] for standart implementations - custom rate apply othervise

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

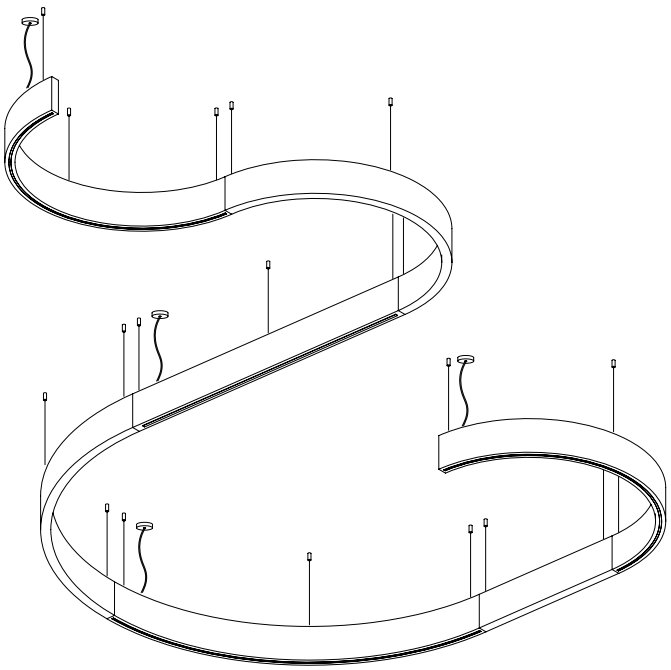
Libra Volumetric Baffles

Components

Single element



Example possibilities



All dimensions are nominal

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

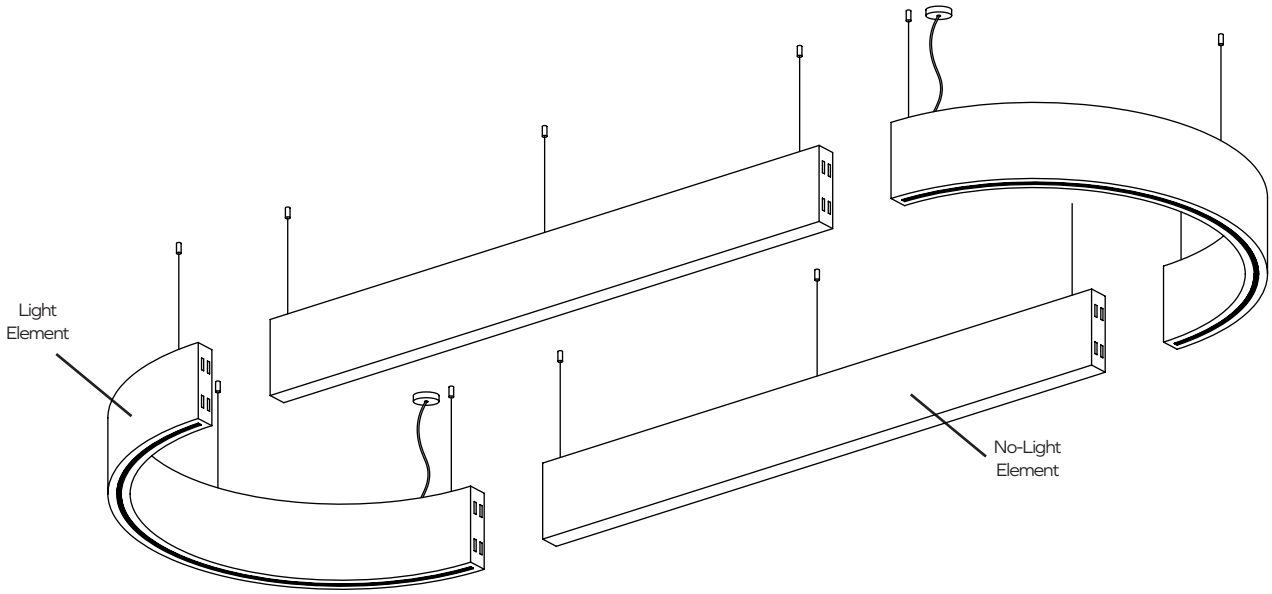
Libra Volumetric Baffles
Implementation Reference



1 - All dimensions are nominal

Libra Light Volumetric Baffles

Acoustic Lighting

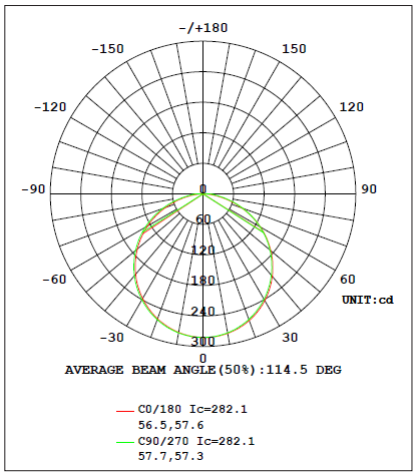


Lighting Product	Product Size	Colour code	Dimming	CCT	Market Voltages
LIBRA	**Volumetric Curved Baffle** with ARCHISONIC® Felt	Choose colour as shown on pg. 9 - 10	DALI 0-10V	3000 K or 4000K	**Standard Voltage** (220 - 240 V) **USA Market** (110 - 277 V)

LIGHTING SPECIFICATIONS

	LIBRA
Output	Direct
Wattage (W)	36
CCT (K)	3000 or 4000
Total Lumen Output (lm)	3770 (2,5 linear meter)
Efficacy (lm/W)	105
Diffuser	Opal
Dimming	0-10V / DALI
CRI	90
Voltage (V)	220 - 240 / 110 - 277
Driver Location	Baffle body

LIGHT DISTRIBUTION GRAPH



CERTIFICATIONS

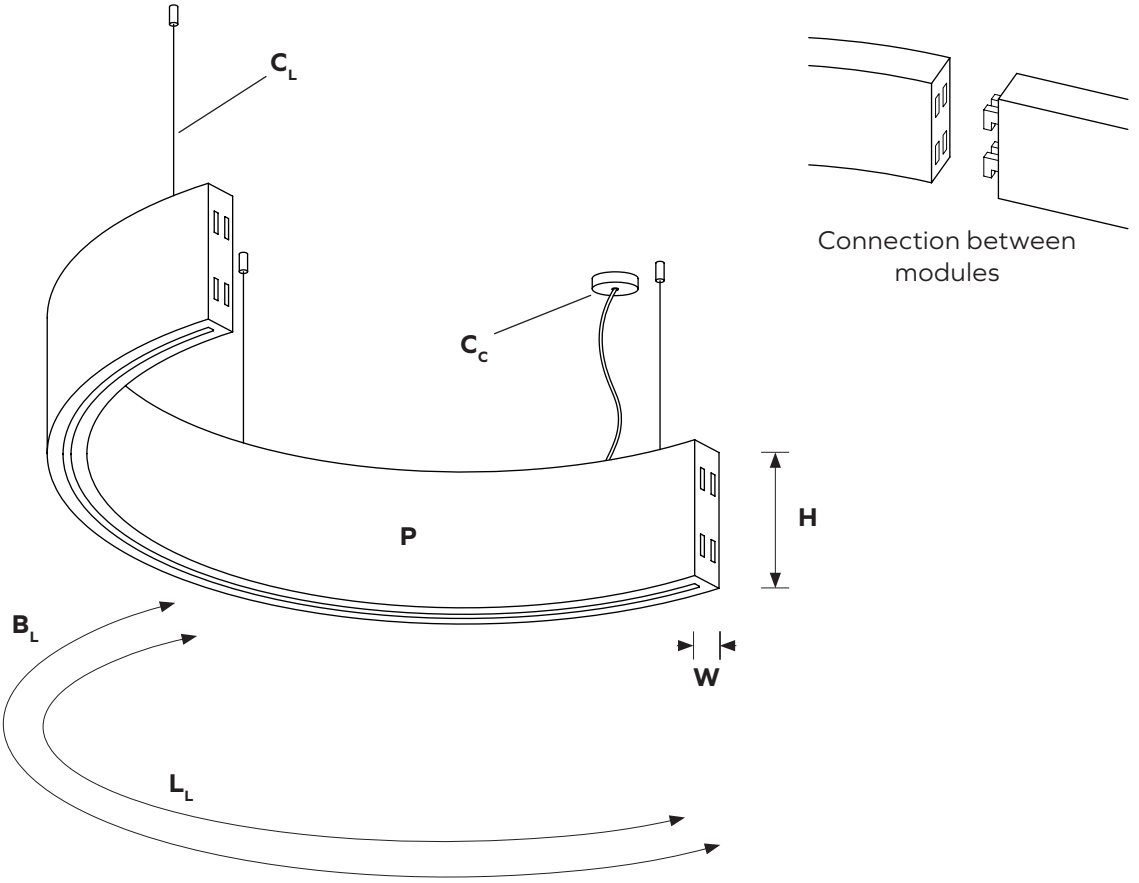
(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Libra Light Volumetric Baffles
Geometry Information

Reference geometry

Explore the various standard and custom sizes in our product families. See the drawing below for an overview of basic dimensions, modules and ranges.

Customize our **Bespoke** products beyond the presented values - contact us for details.



Dimensions table[1]

H	Baffle height	200-580mm (8 - 23”)	*standard or bespoke*
W	Width	80-200mm (3 1/4 - 8”)	*bespoke*
L_L	LIGHT max. length	2500mm (100”)	*standard*
C_C	Canopy color	Black RAL 9003	*standard*
C_L	Cable Length	1500mm (60”)	*standard*
P	PET material thickness	12mm (0.5”)	*fixed*

1- All dimensions are nominal

(Switzerland) connect@impactacoustic.com (+41) 41 244 14 00
(USA) usa@impactacoustic.com (+1) 619 378 2100
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

Libra Volumetric Baffles

Special requests

We realize that some project are truly special and require extreme design flexibility in order to properly communicate your design intent. Our Special Design team is ready to further customize Libra baffles adding an extra dimensions of freedom into your design. For more information on truly bespoke implementations, please contact our consultants.



ARCHISONIC® Felt Colours

Material brochure available



Name	Snow White	Milk	Cloud	Gull	Smoke	Ground	Charcoal	Slate	Raven
Code	**500**	**404**	**103**	**144**	**442**	**108**	**542**	**444**	**550**
NCS	S 0300-N	S 0502-Y	S 1002-B	S2502-Y	S 3005-R80B	S 5005-Y20R	S 7502-B	S 4500-N	S 8500-N



Name	Nordic Pine	Grove	Fern	Moss	Spearmint	Ice Blue	Succulent	Deep Sea	True Navy
Code	**311**	**317**	**180**	**439**	**706**	**304**	**712**	**918**	**194**
NCS	S 5030-G10Y	S 7020-G30Y	S6010-G90Y	S 2040-G40Y	S 1010-B90G	S 0510-B	S 3020-B30G	S 5020-R90B	S8005-B



Name	Lichen	Linen	Shell Pink	Jute	Warm Stone	Terracotta	Soft Coral	Honeycomb	Sunshine
Code	**160**	**107**	**102**	**920**	**105**	**239**	**516**	**139**	**846**
NCS	S4005-Y	S 1505-Y30R	S 0510-R30B	S 3010-Y30R	S 3010-Y50R	S 4040-Y70R	S 2020-Y90R	S 2050-Y20R	S 1040-Y10R



Name	Garnet	Hot Pink	Poster Red	Electric Orange	Winter Sky	Pacific Ocean	Midnight	Grape	Marine Blue
Code	**724**	**140**	**662**	**464**	**410**	**432**	**810**	**540**	**864**
NCS	S 5040-R10B	S 2060-R20B	S 1080-R	S 0580-Y70R	S 2020-R90 B	S 3040-B	S 7020-R70B	**S 5040-R40B**	S 4050-R70B

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 36 colours across 8 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® Print
Riftcut Natural Collection

Natural Collection colour sets

Riftcut Natural Collection (NC) is a natural wood shade extension to our bestselling Riftcut. Developed in collaboration with German veneer specialists Schotten & Hansen, ARCHISONIC® Riftcut NC introduces 3 different colour groups: elegant brights, essential mids and classical darks.

107

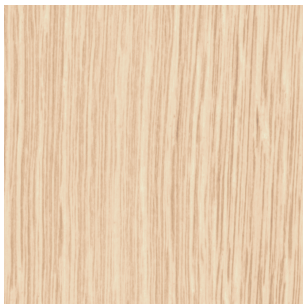
ELEGANT BRIGHTS



240 Pebble



241 Sunlit



242 Blush

920

ESSENTIAL MIDS



243 Malt



244 Honey



245 Mocha

105

CLASSICAL DARKS



246 Woodsmoke



247 Bourbon



248 Twilight

Sustainable Ink

CP65 and RoHS3 compliant

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

Order a free sample



ARCHISONIC® Print
Terrazzo and Travertine

Terrazzo

Inspired by the timeless beauty of natural mineral textures, ARCHISONIC® Print TERRAZZO introduces a sophisticated new expression of acoustic surface design. Utilizing advanced, zero-VOC precision printing technology, the collection captures intricate terrazzo patterns with exceptional clarity while supporting healthier indoor environments.



printed on Linen 107



260 Terrazzo

Travertine

Inspired by the quiet elegance of natural stone, ARCHISONIC® Print TRAVERTINE introduces a timeless aesthetic to a new generation of acoustic surfaces. Utilizing advanced, zero-VOC precision printing technology, the collection recreates the depth, softness, and organic movement of travertine with remarkable clarity while supporting healthier indoor environments.



printed on Linen 107



261 Travertine

Sustainable Ink

CP65 and RoHS3 compliant

Order a free sample



ARCHISONIC® Felt
Material Specification

Product Name	ARCHISONIC® Felt
Content	100% PET (60% certified post-consumer content)
Thickness[1]	12mm (0.47")
Max. Size	1200x2800mm (47"x110")
Acoustic[2]	**ASTM:** NRC=0.6 **ISO**: αw=0.65
Density[1]	2400 g/m² (0.49 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 flu°, use feather duster or a regular vacuum cleaner. For heavy dirt, treat the material with hydrogen peroxide.
Production Lead time[3]	21 days
Fire Rating[4]	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

ARCHISONIC® Felt (Printed option) Material Specification

Product Name	ARCHISONIC® Felt
Content	100% PET (60% certified post-consumer content)
Thickness[1]	12mm (0.47")
Max. Size	1200x2800mm (47"x110")
Acoustic[2, 4]	**ASTM:** NRC=0.6 **ISO**: αw=0.65
Density[1]	2400 g/m² (0.49 lbs/ sqft)
Colour	**33** printed finishes.
Maintenance	To prevent dust and stains, regularly dust or vacuum with a soft brush. Avoid tools that might scratch the surface. Use mild detergents sparingly for tough stains, blotting instead of rubbing with a microfiber cloth. Test cleaning methods on a hidden area first to check for adverse effects.
Lead Time[3, 4]	21 days
Fire Rating[4]	DIN EN 13501-1: **B-s1, d0** ASTM E84 **Class A**
VOC Emission[4]	28 Days French Regulation **A+** ASTM E84 **Pass** Breeam® (International, UK, NL, SE, NOR) **Exemplary** CDPH (CDPH/EHLB/Standard-Methode V1.2) **Pass**
Certifications[4]	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
Ink Certifications	UL Greenguard, No NVC, No VOCs, No TPO, Vegan, compliant with California Prop65 (CP65) and European Directive RoHS3
Durability	Contract

1 - all values are nominal 2 - measured with 300mm air cavity 3 - depending on the location and type of product 4 - values refer to the non-printed option

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

Libra Volumetric Baffles
Acoustic Performance

Liberal design freedom requires can be only possible together with tailored analytic data. Our in house acoustic consultancy team can provide estimated absorption data or carry out an assessment based on your specific design and configuration. Please contact our consultants for more information.

For a general acoustic absorption values regarding the Archisonic Felt material please refer to page 11 and 14.



Libra Volumetric Baffles
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

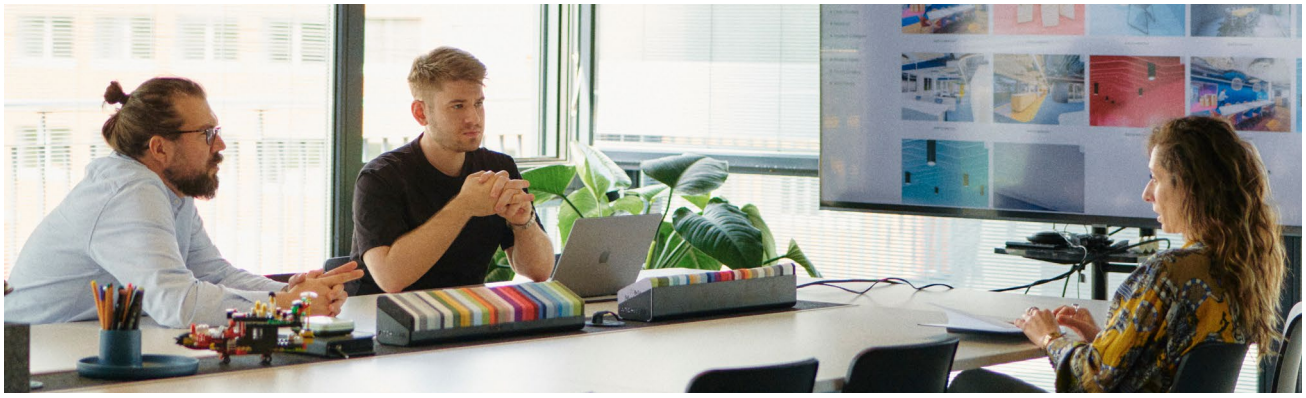
Contact Us

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.

#We MakeAn Impact

connect@impactacoustic.com I www.impactacoustic.com