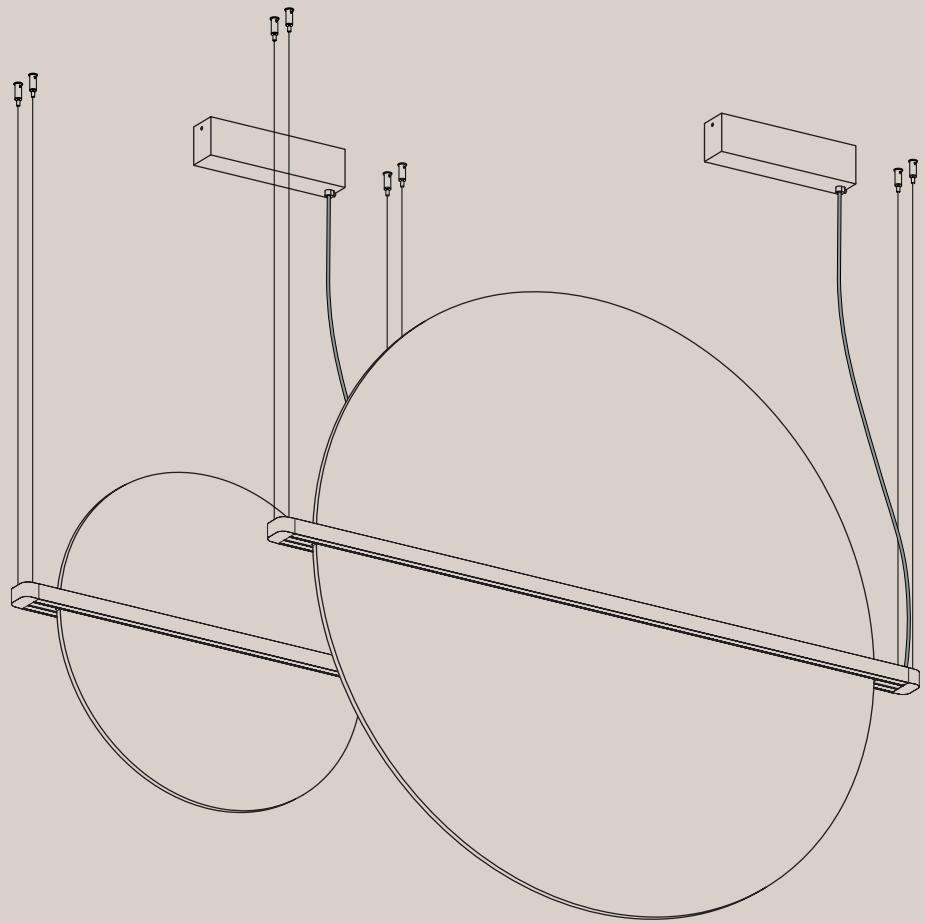


IMPACT ACOUSTIC®



HORIZON

Acoustic Lighting

Global Market:

727.12.10.000.00.00
727.12.11.000.00.00
727.12.12.000.00.00
727.12.20.000.00.00
727.12.21.000.00.00
727.12.22.000.00.00

USA & North America Market:

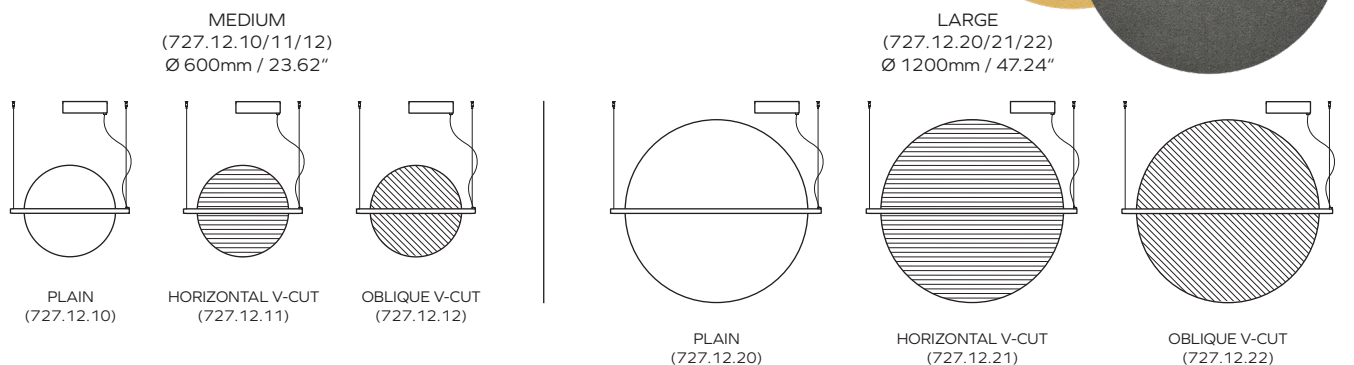
727.12.10.000.00.00A
727.12.11.000.00.00A
727.12.12.000.00.00A
727.12.20.000.00.00A
727.12.21.000.00.00A
727.12.22.000.00.00A

TECHNICAL DATA SHEET

HORIZON

Acoustic Lighting

ARTICLE NUMBERS



Lighting Product	Product Size	Colour code	Dimming	CCT	Market Voltages
727.12.	10. (Medium, Plain) 11. (Medium, Horizontal) 12. (Medium, Oblique)	Choose colour as shown on pg. 3	00. (DALI) 20. (0-10V)	30 (3000 K) 40 (4000 K) (different CCT on request)	Standard Voltage (220 - 240 V) A for USA Market (110 - 277 V)
	20. (Large, Plain) 21. (Large, Horizontal) 22. (Large, Oblique)				

Example1: 727.12.21.706.00.40

Horizon Large [(Ø1200mm / 47.24", Horizontal V-Cut, Spearmint 706 colour, DALI, 4000K, 220-240V (EU)]

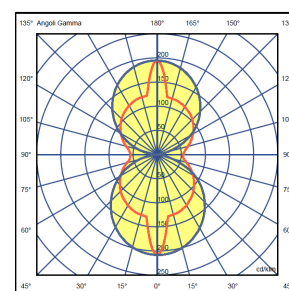
Example2: 727.12.10.706.20.30A

Horizon Medium [(Ø600mm / 23.62", Plain, Spearmint 706 colour, 0-10V, 3000K, 110-277V (USA & Canada)]

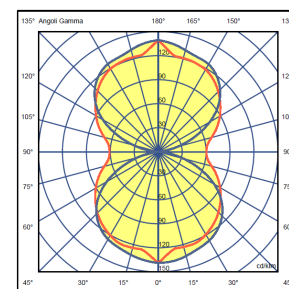
LIGHTING SPECIFICATIONS

	727.12.10		727.12.20	
Wattage (W)	45		82	
CCT (K)	3000	4000	3000	4000
Lumen LED source (lm)	4320	4395	9360	9410
Total Lumen Output (lm)	1950	1984	3520	3580
Efficacy (lm/W)	44	45	44	45
Diffuser	Opal			
Dimming	0-10V / DALI			
CRI	>90			
Voltage (V)	220 - 240 / 110 - 277			
Driver Location	Ceiling Canopy			

LIGHT DISTRIBUTION GRAPH



727.12.10
Horizon Medium



727.12.20
Horizon Large

CERTIFICATIONS



IMPACT ACOUSTIC®
HORIZON Acoustic Lighting rev.01- 05.12.25

(Switzerland)
(USA)
(Philippines)

connect@impactacoustic.com
usa@impactacoustic.com
philippines@impactacoustic.com

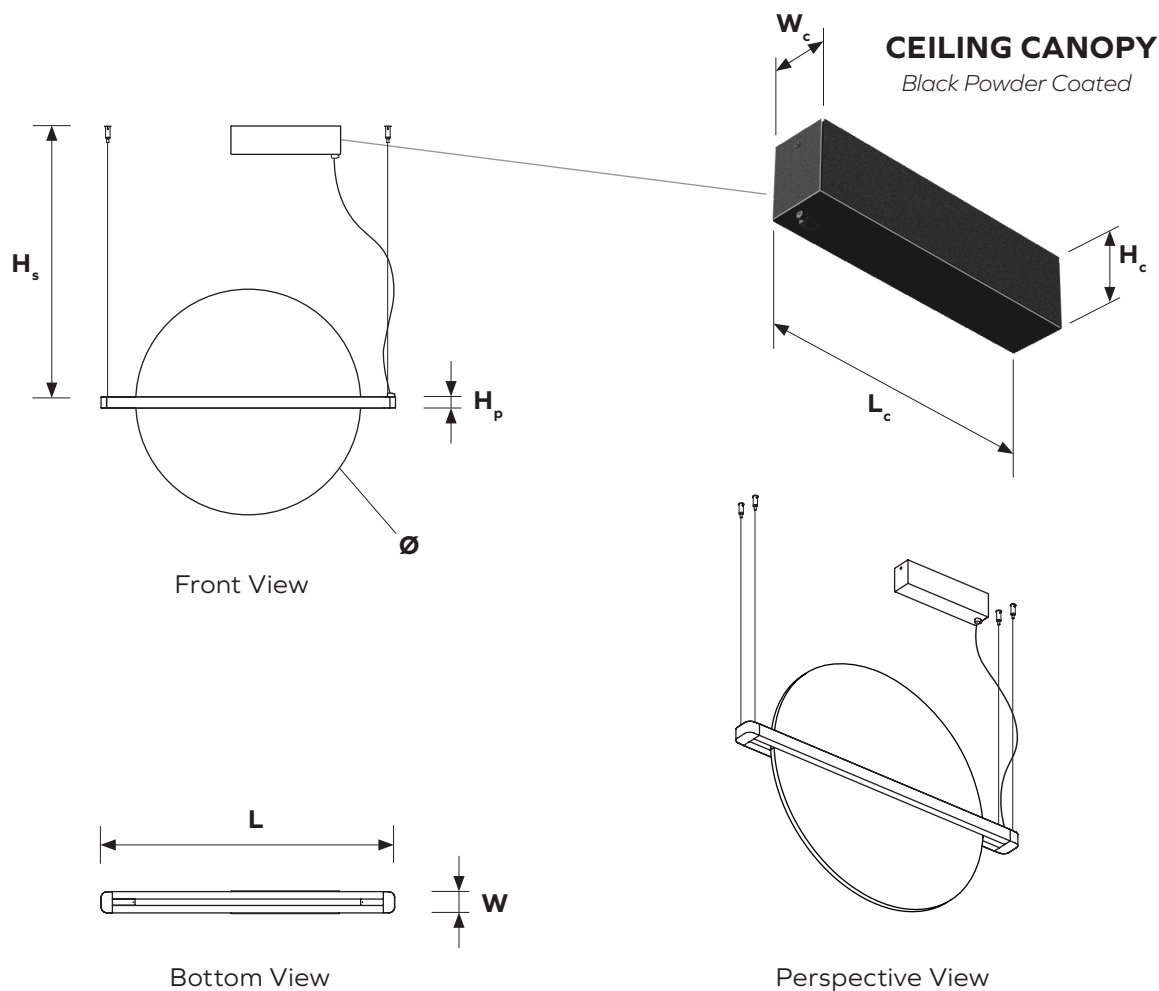
(+41) 41 244 14 00
(+1) 619 378 2100
(+63) 285 80 02 50

#WeMakeAnImpact

HORIZON

Geometry Information

MEDIUM 727.12.10/11/12



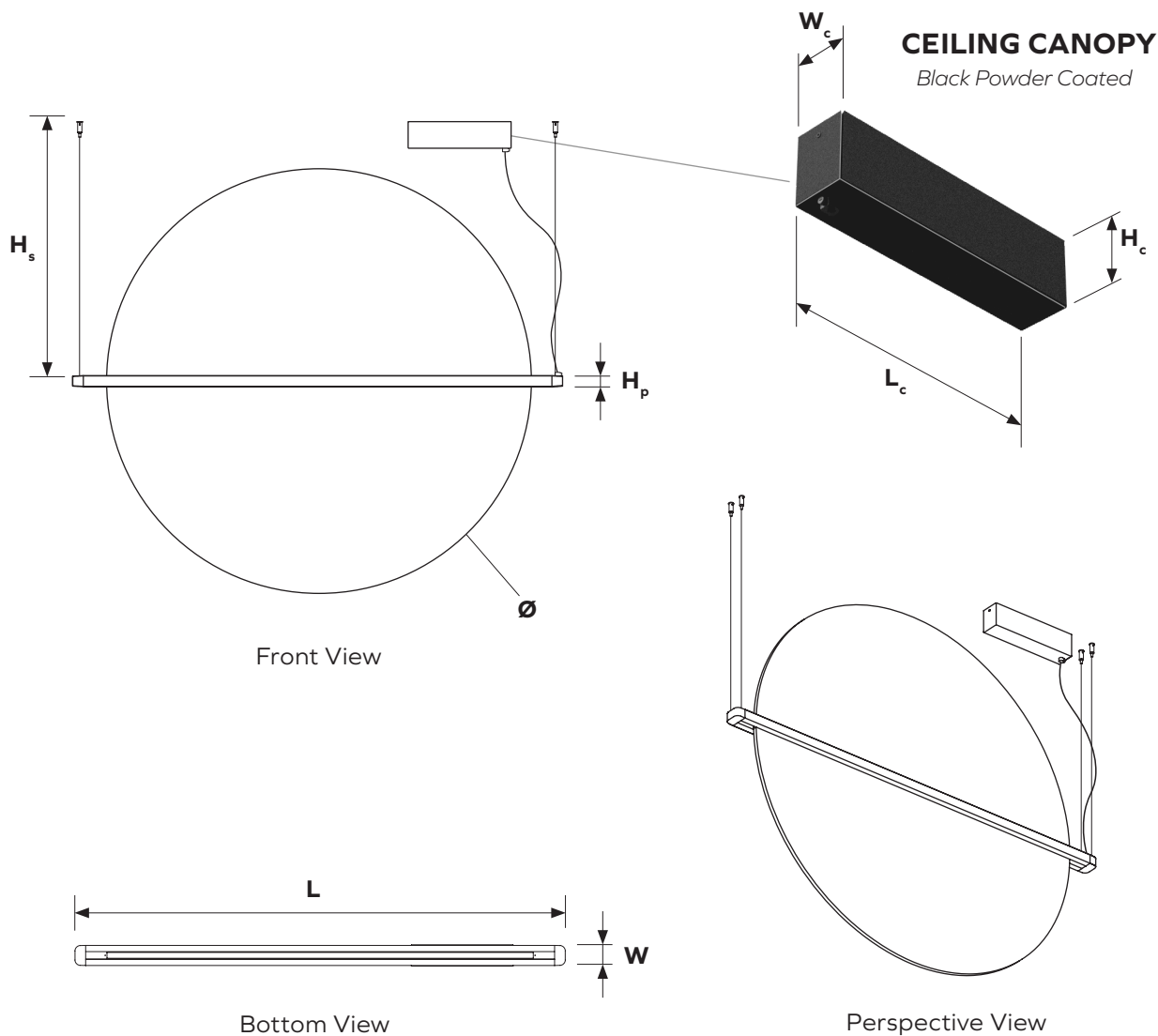
Dimensions

$\varnothing$	Diameter	600 mm / 23.62"
H_p	Profile Height	30 mm / 1.18"
W	Width	57 mm / 2.24"
L	Length	780 mm / 30.71"
L_c	Ceiling Canopy Length	290 mm / 11.42"
W_c	Ceiling Canopy Width	60 mm / 2.36"
H_c	Ceiling Canopy Height	75 mm / 2.95"
H_s	Suspension Height	1500 mm / 59.5" - 6000 mm / 236.2" (on request)

HORIZON

Geometry Information

LARGE 727.12.20/21/22



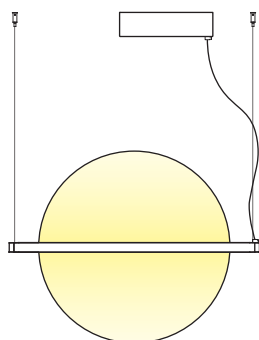
Dimensions

$\varnothing$	Diameter	1200 mm / 47.24"
H_p	Profile Height	30 mm / 1.18"
W	Width	57 mm / 2.24"
L	Length	1380 mm / 54.33"
L_c	Ceiling Canopy Length	290 mm / 11.42"
W_c	Ceiling Canopy Width	60 mm / 2.36"
H_c	Ceiling Canopy Height	75 mm / 2.95"
H_s	Suspension Height	1500 mm / 59.5" - 6000 mm / 236.2" (on request)

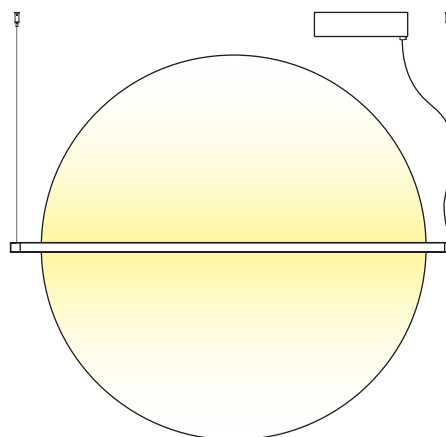
HORIZON

Patterns

PLAIN

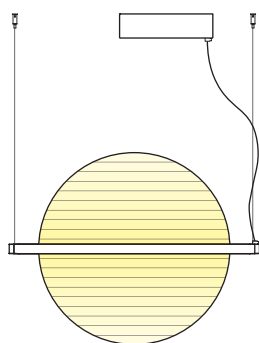


MEDIUM 727.12.10

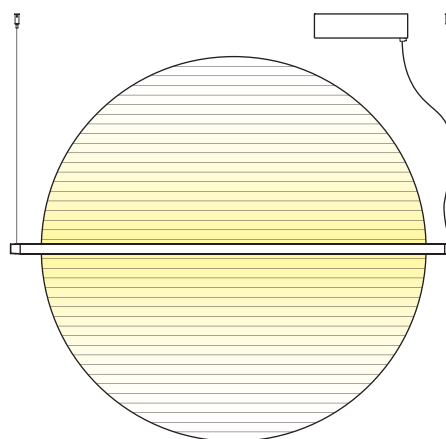


LARGE 727.12.20

**HORIZONTAL
45° V-Cut**

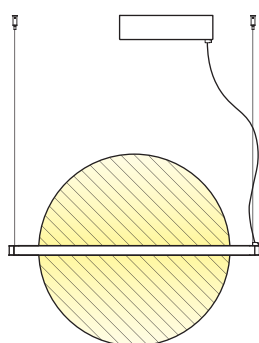


MEDIUM 727.12.11

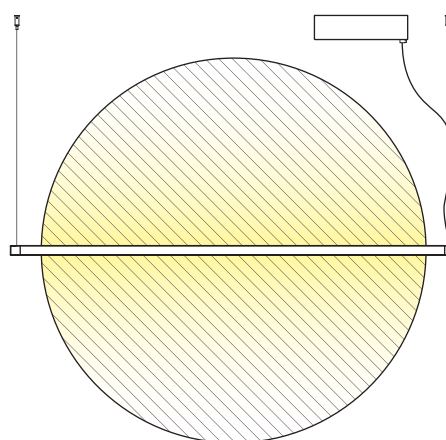


LARGE 727.12.21

**OBLIQUE
45° V-Cut**

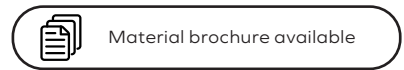


MEDIUM 727.12.12



LARGE 727.12.22

ARCHISONIC® Felt Colours



									
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	S 2502-Y	S 3005-R80B	S 5005-Y20R	S 7502-B	S 4500-N	S 8500-N

									
Name	Nordic Pine	Grove	Fern	Moss	Spearment	Ice Blue	Succulent	Deep Sea	True Navy
Code	311	317	180	439	706	304	712	918	194
NCS	S 5030-G10Y	S 7020-G30Y	S 6010-G90Y	S 2040-G40Y	S 1010-B90G	S 0510-B	S 3020-B30G	S 5020-R90B	S 8005-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	S 4005-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® Riftcut Natural Collection

Natural Collection colour sets

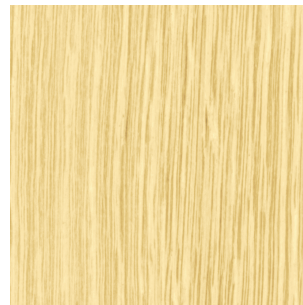
Riftcut Natural Collection (NC) is a natural wood shade extension to our bestselling Riftcut. Developed in collaboration with German veneer specialists Schotten & Hansen, ARCHISONIC® Riftcut NC introduces 3 different colour groups: elegant brights, essential mids and classical darks.



ELEGANT BRIGHTS



240 Pebble



241 Sunlit



242 Blush



ESSENTIAL MIDS



243 Malt



244 Honey



245 Mocha



CLASSICAL DARKS



246 Woodsmoke



247 Bourbon



248 Twilight

Sustainable Ink

CP65 and RoHS3 compliant



Order a free sample set



ARCHISONIC® Felt

Material Specification

Product Name	ARCHISONIC® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness¹	12mm (0.47")	
Max. Size	1200x2800mm (47"x110")	
Acoustic²	ASTM: NRC=0.6 ISO: αw=0.65	
Density¹	2400 g/m ² (0.49 lbs/ sqft)	
Colour Fastness	Class 6 ISO 105-B02:A1	
Colour	36 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 Rating	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, Climmate-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



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



Declare.



ARCHISONIC® Felt (Printed option)

Material Specification

Product Name	ARCHISONIC® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness¹	12mm (0.47")	
Max. Size	1200x2800mm (47"x110")	
Acoustic^{2, 4}	ASTM: NRC=0.6 ISO: α_w =0.65	
Density¹	2400 g/m ² (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 Rating⁴	DIN EN 13501-1: B-s1, d0	ASTM E84 Class A
VOC Emission⁴	28 Days French Regulation A+ ASTM E84 Pass Breeam® (International, UK, NL, SE, NOR) Exemplary CDPH (CDPH/EHLB/Standard-Methode V1.2) Pass	
Certifications⁴	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



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



HORIZON

Acoustic Performance

Testing Standards

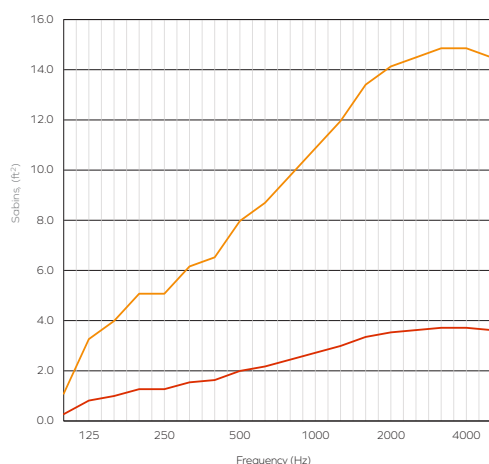
ISO 354:2003	Acoustics — Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics — Sound absorbers for use in buildings — Rating of sound absorption
ISO 20189:2018	Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound 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 Test Results

	α_w	SAA	NRC
12mm Hanging Panel 1200x2800mm (Plain) ¹	0.4 (H)	0.39	0.40

1 - Measured with panel hanging vertically, 200mm from the floor.

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.

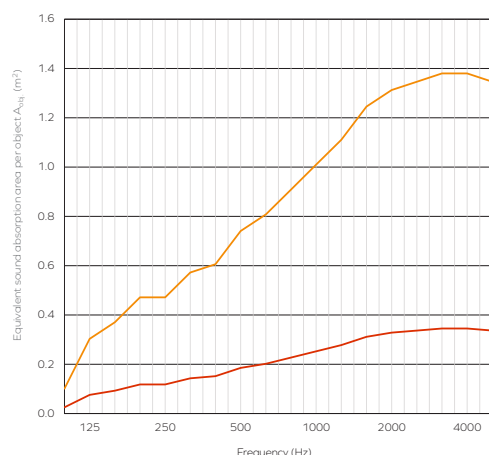


Acoustic Performance - ASTM Sabins/Object, ft²

Frequency (Hz)	125	250	500	1000	2000	4000
12mm Horizon D600mm	1.1	1.1	2.2	3.2	3.2	3.2
12mm Horizon D1200mm	3.2	5.4	7.5	10.8	14.0	15.1

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

- 12mm Horizon D600mm
- 12mm Horizon D1200mm



Acoustic Performance - ISO A_{obj} , m²

Frequency (Hz)	125	250	500	1000	2000	4000
12mm Horizon D600mm	0.10	0.10	0.20	0.30	0.30	0.30
12mm Horizon D1200mm	0.30	0.50	0.70	1.00	1.30	1.40

The graph represents the equivalent sound absorption 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.

- 12mm Horizon D600mm
- 12mm Horizon D1200mm

HORIZON

Acoustic Lighting

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
IES/LDT 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 days¹ from your first point of contact, allowing you to focus on what truly matters to you.



Contact our
consultant

Quote¹

48 h



Order Confirmation

Production¹

2 - 3 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.



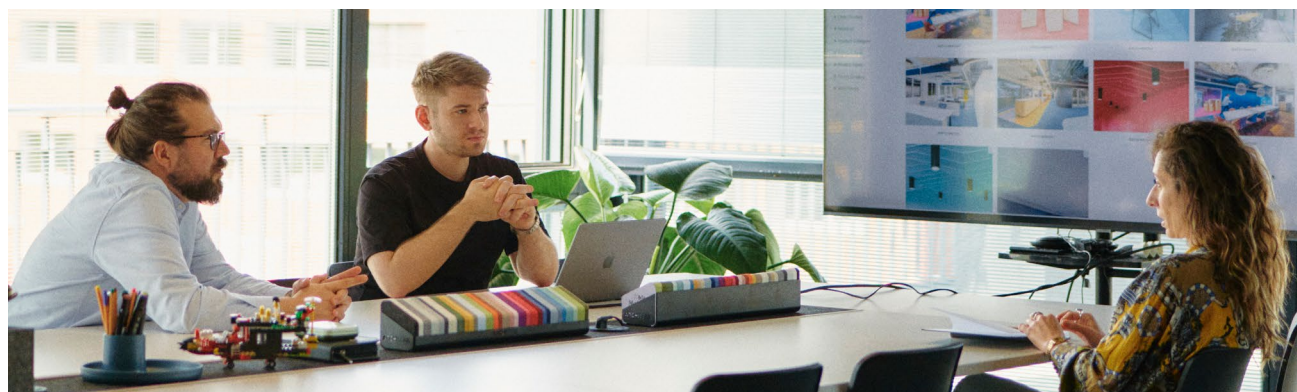
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

IMPACT ACOUSTIC®
HORIZON Acoustic Lighting rev.01- 05.12.25

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(+63) 285 80 02 50

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