

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

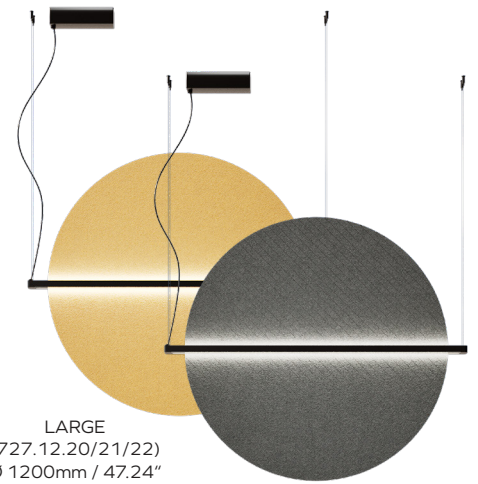
USA & North America Market:

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

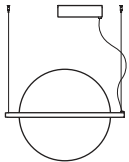
HORIZON

Acoustic Lighting

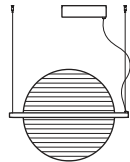
ARTICLE NUMBERS



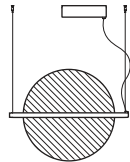
MEDIUM
(727.12.10/11/12)
Ø 600mm / 23.62"



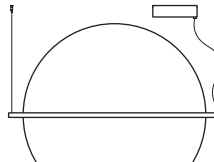
PLAIN
(727.12.10)



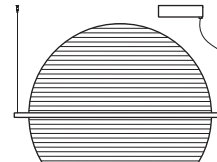
HORIZONTAL V-CUT
(727.12.11)



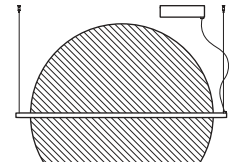
OBLIQUE V-CUT
(727.12.12)



PLAIN
(727.12.20)



HORIZONTAL V-CUT
(727.12.21)



OBLIQUE V-CUT
(727.12.22)

| Lighting Product | Product Size | Colour code | Dimming | CCT | Market Voltages |
|------------------|---------------------------------|---------------------------------|---|--|--|
| 727.12. | 10. (Medium, Plain) | 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) |
| | 11. (Medium, Horizontal) | | | | |
| | 12. (Medium, Oblique) | | | | |
| | 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)]

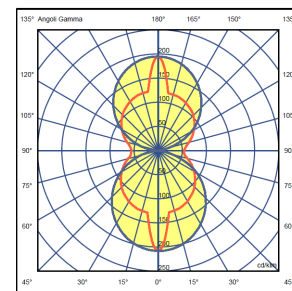
Example2: 727.12.10.706.20.30A

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

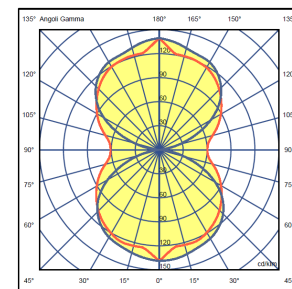
LIGHTING SPECIFICATIONS

| | 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- 05.11.25

(Switzerland)
(USA)
(Philippines)

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

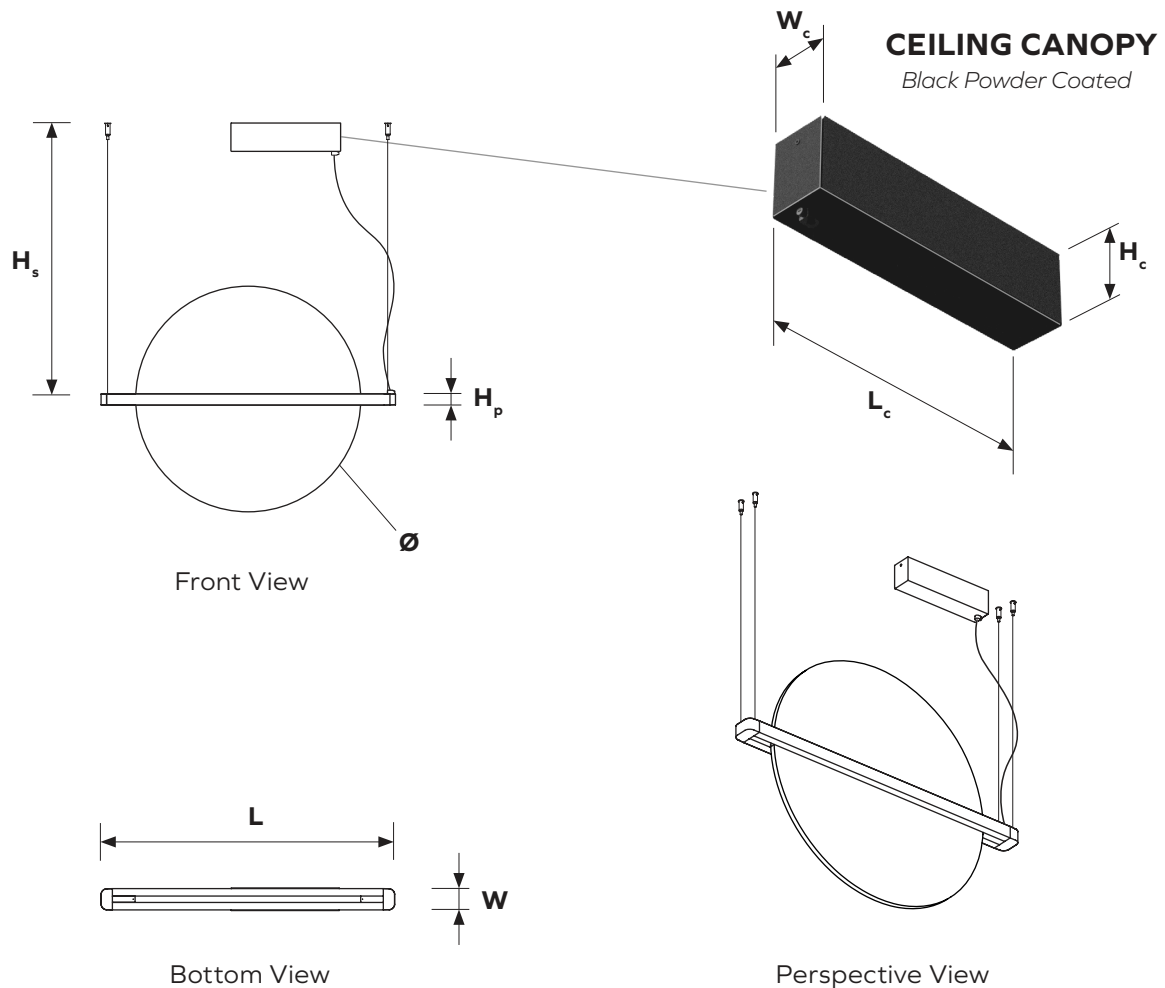
(+41) 41 244 14 00
(+1) 619 378 2100
(+63) 285 80 02 50

#WeMakeAnImpact

HORIZON

Geometry Information

MEDIUM 727.12.10/11/12



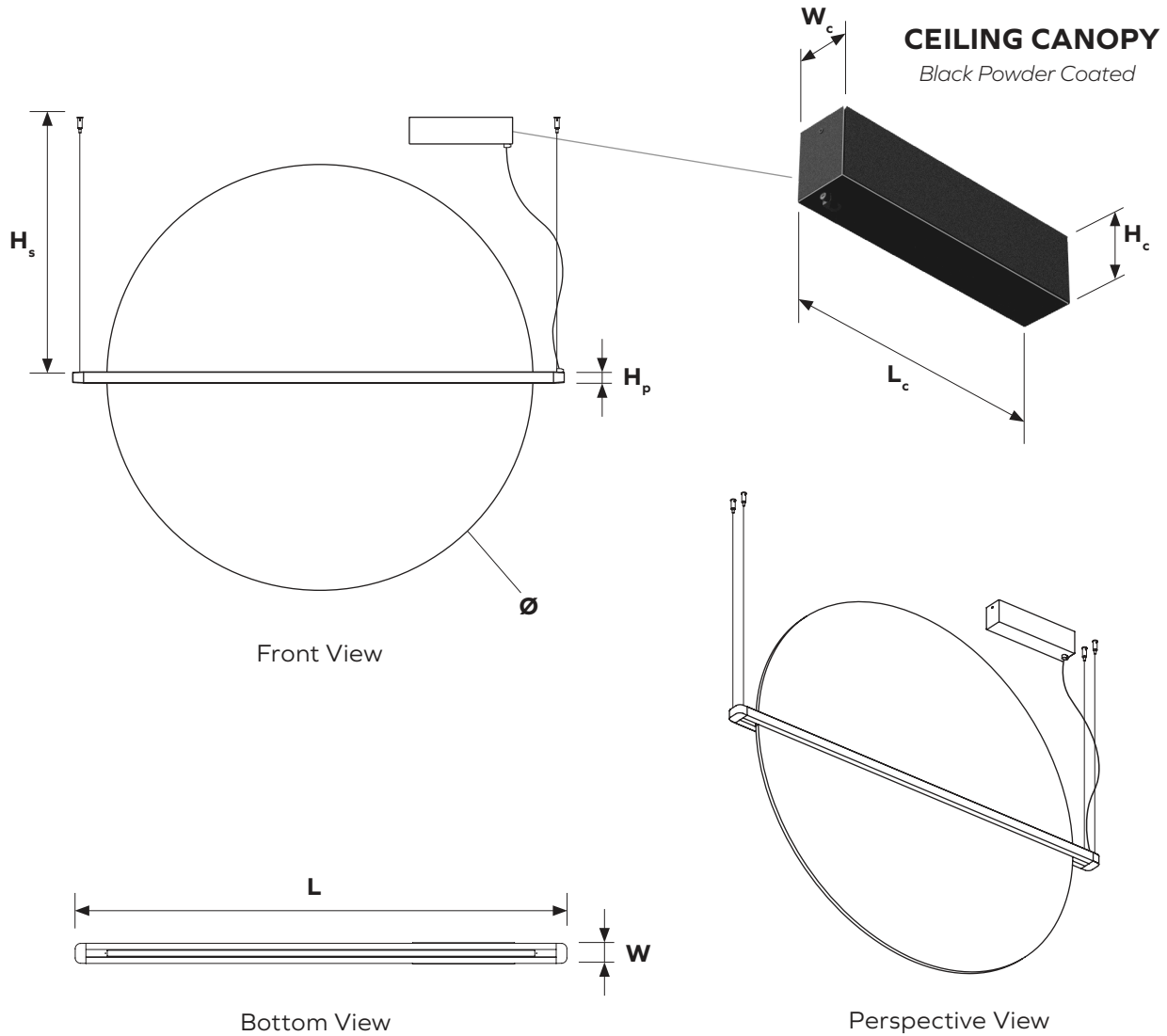
Dimensions

| | | |
|---------------|-----------------------|---|
| \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



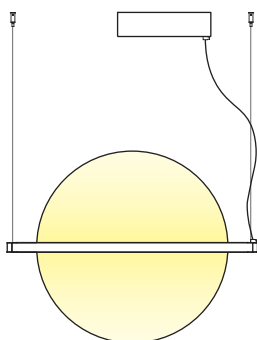
Dimensions

| | | |
|---------------|-----------------------|---|
| \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) |

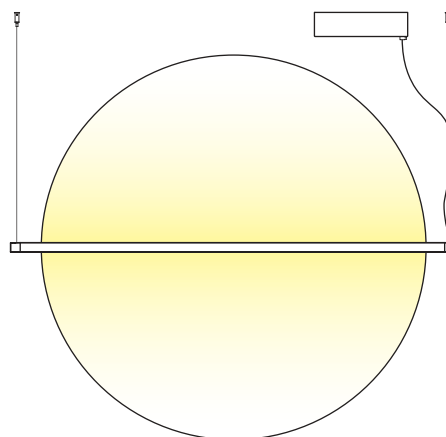
HORIZON

Patterns

PLAIN

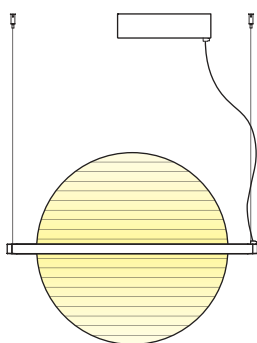


MEDIUM 727.12.10

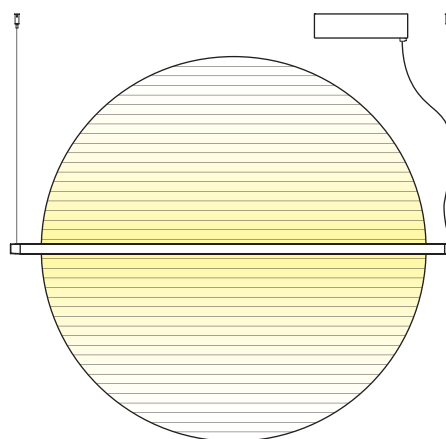


LARGE 727.12.20

HORIZONTAL
45° V-Cut

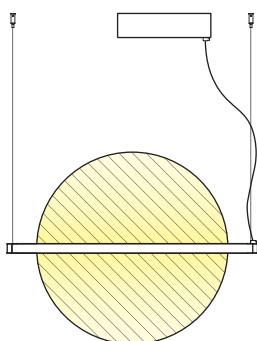


MEDIUM 727.12.11

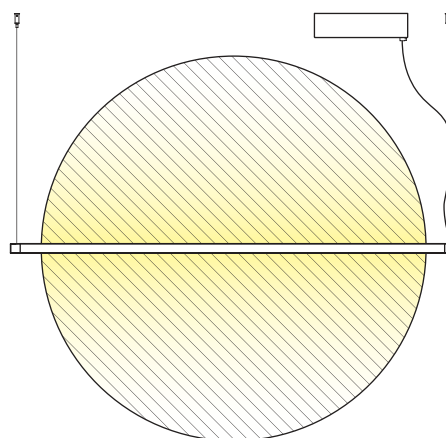


LARGE 727.12.21

OBLIQUE
45° V-Cut













MEDIUM 727.12.12



LARGE 727.12.22










ARCHISONIC® Felt Colours

 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® 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.

DANAK
TEST Reg.nr. 522



ARCHISONIC® Riftcut Natural Collection

Natural Collection colour sets

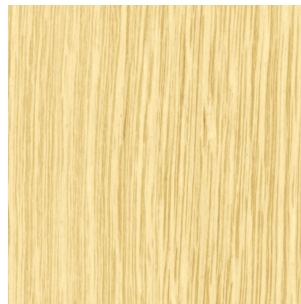
Riftcut Natural Collection (NC) is a natural wood shade extension to our bestselling Riftcut. Developed in collaboration with German veneer specialists Schotten & Hansen, ARCHISONIC® Riftcut NC introduces 3 different colour groups: elegant brights, essential mids and classical darks.



ELEGANT BRIGHTS



240 Pebble



241 Sunlit



242 Blush



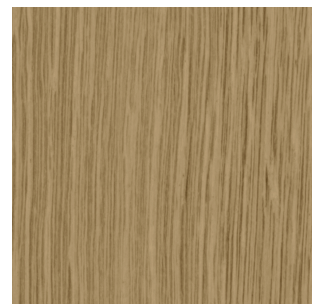
ESSENTIAL MIDS



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® Riftcut

A Synthesis of Nature and Innovation

Developed in collaboration with German veneer specialists Schotten & Hansen and Swiss designer Ina Rinderknecht, ARCHISONIC® Riftcut adds a natural touch to our acclaimed Felt range.



ARCHISONIC® Riftcut Flax 50

Colour options

The printed shades form the basis of 24 colour spectrum, offering interior designers a sophisticated range of options linked to natural dyes.



Sustainable Ink

CP65 and RoHS3 compliant



Order a free sample set



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: αw=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+ Bream® (International, UK, NL, SE, NOR) Exemplary CDPH (CDPH/EHLB/Standard-Method V1.2) Pass | ASTM E84 Pass |
| Certifications⁴ | 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 | |
| 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  **Declare.**  TEST Reg.n. 522



HORIZON

Acoustic Performance

Testing Standards

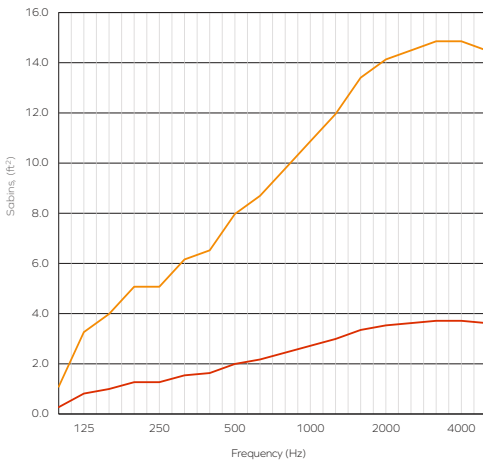
| | |
|----------------|---|
| ISO 354:2003 | Acoustics — Measurement of sound absorption in a reverberation room |
| ISO 11654:1997 | Acoustics — Sound absorbers for use in buildings — Rating of sound absorption |
| ISO 20189:2018 | Acoustics — Screens, furniture and single objects intended for interior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

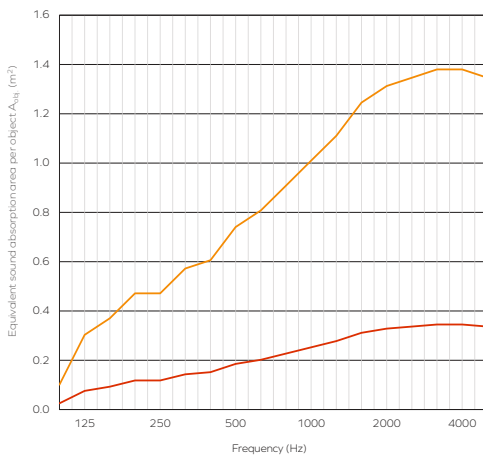


Acoustic Performance - ASTM Sabins/Object, ft²

| 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.



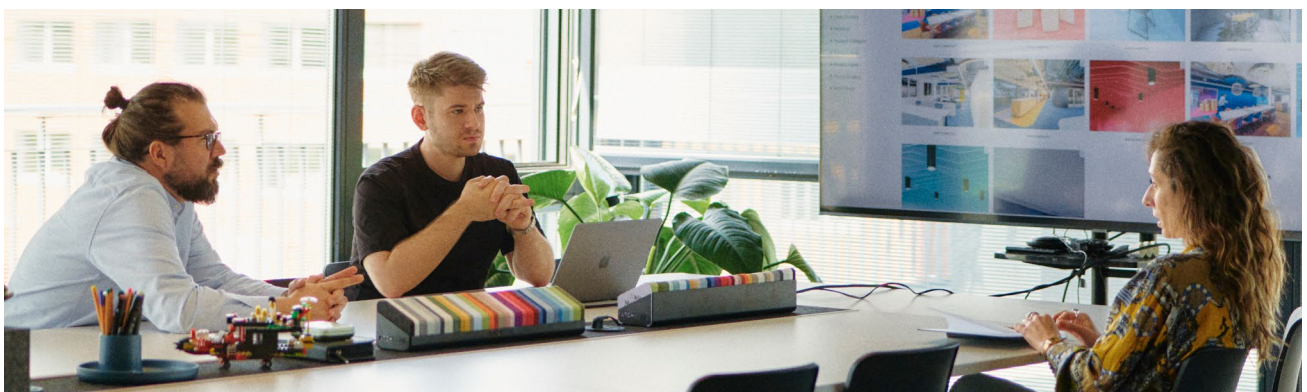
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

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Impact**

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