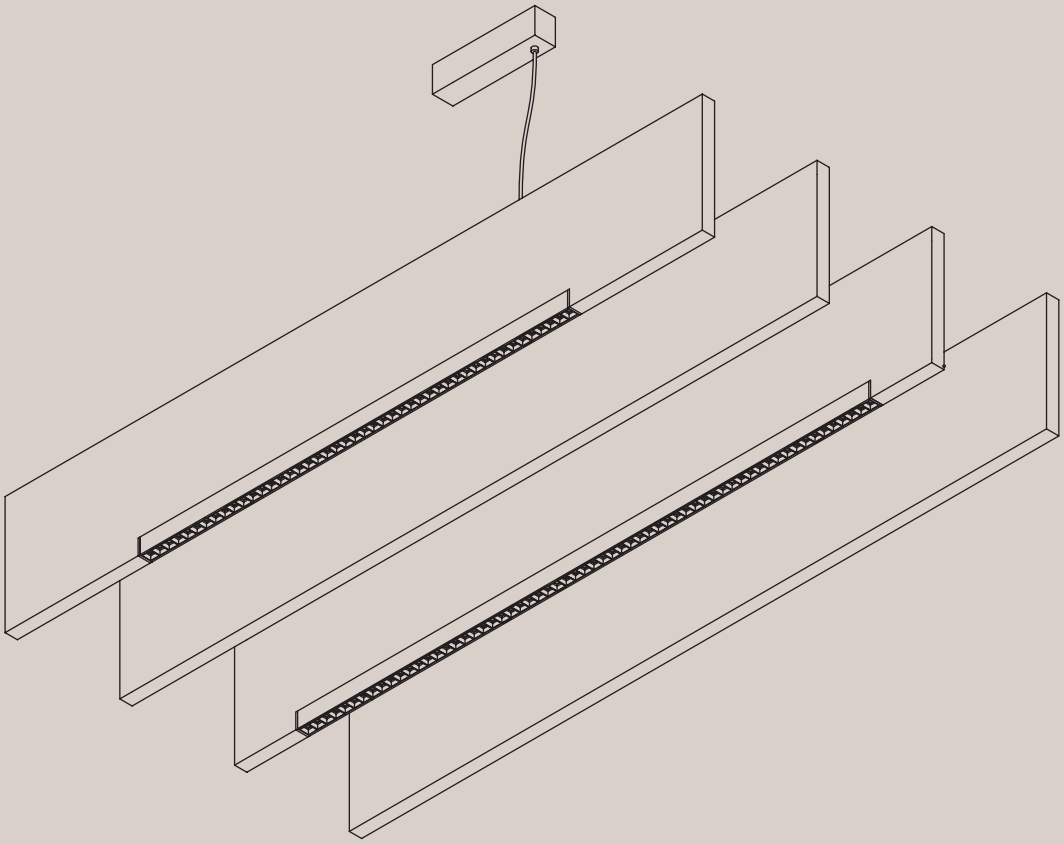
IMPACT ACOUSTIC®



# LUMINA

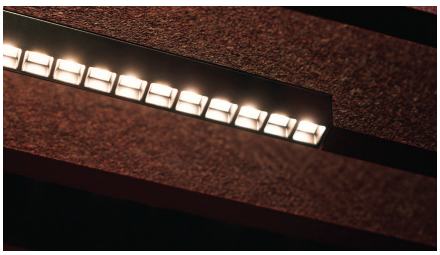
## Acoustic Lighting System

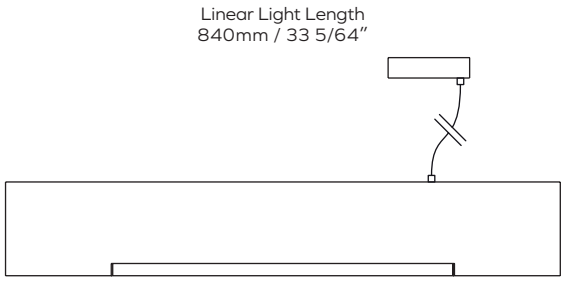
TECHNICAL DATA SHEET

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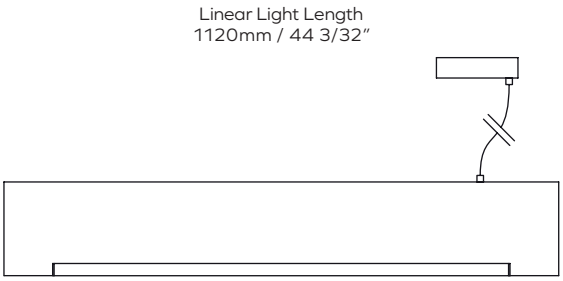
# LUMINA

## Acoustic Lighting System






LUMINA SMALL




LUMINA LARGE

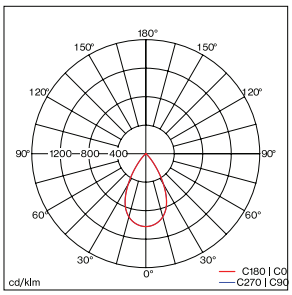
| Lighting Product | Product Size | Colour code | Dimming | CCT | Market Voltages |
|---|---|---|---|---|---|
| **LUMINA** | **SMALL** with ARCHISONIC® Felt | Choose colour as shown on pg. 9 - 10 | DALI 0-10V | 2700 K 3000 K 3500 K 4000 K | **Standard Voltage** (220 - 240 V) **USA Market** (110 - 277 V) |
| | **SMALL** with ARCHISONIC® Riftcut | | | | |
| | **LARGE** with ARCHISONIC® Felt | | | | |
| | **LARGE** with ARCHISONIC® Riftcut | | | | |

**Example:** Lumina Large [1220mm / 44 3/32", Spearmint 706 colour, 220-240V (EU)]

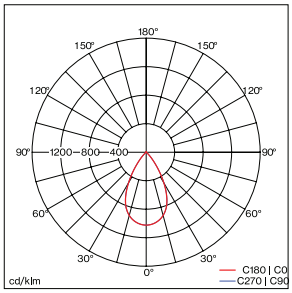
## LIGHTING SPECIFICATIONS

| | LUMINA SMALL | | LUMINA LARGE | |
|---|---|---|---|---|
| Output | Direct | | Direct | |
| Wattage (W) | 21.2 | | 27.8 | |
| CCT (K) | 3000 | 4000 | 3000 | 4000 |
| Total Lumen Output (lm) | 2570 | 2827 | 3420 | 3762 |
| Efficacy (lm/W) | 121 | 133 | 123 | 135 |
| Diffuser | Darklight | | | |
| Dimming | 0-10V / DALI | | | |
| CRI | 90 | | | |
| Voltage (V) | 220 - 240 / 110 - 277 | | | |
| Driver Location | Ceiling Canopy / Recessed | | | |

## LIGHT DISTRIBUTION GRAPH




Lumina S




Lumina L

## CERTIFICATIONS

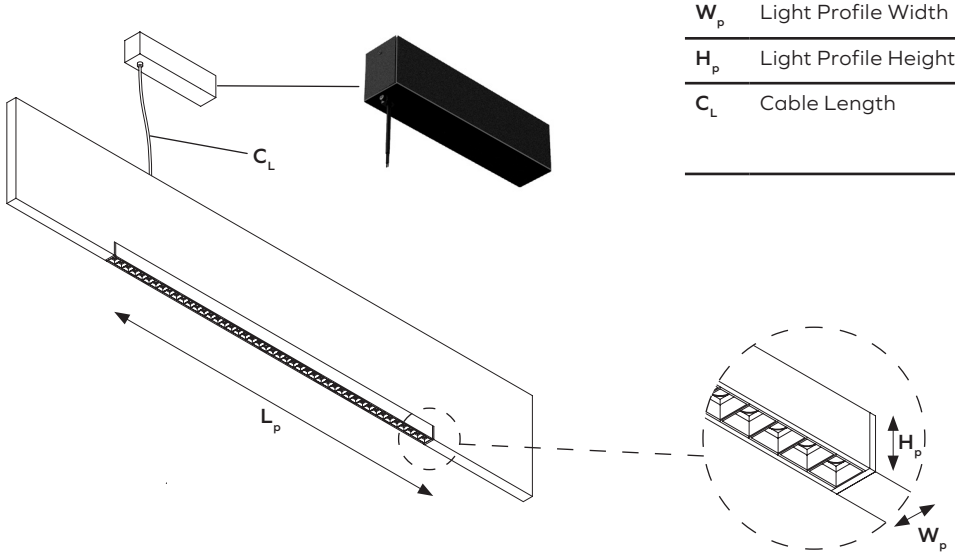
CE UL

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# LUMINA Linear Light
## Geometry Information

### 1 LUMINA SMALL

**CEILING CANOPY**
Black Powder Coated

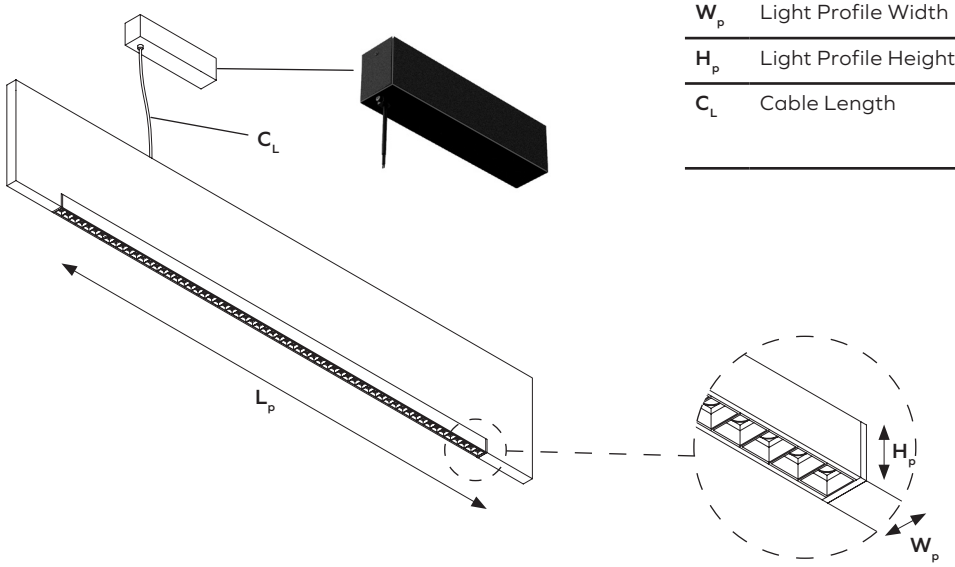



**Dimensions**[1]

| | | |
|---|---|---|
| $L_p$ | Light Profile Length | 840 mm / 33 5/64” |
| $W_p$ | Light Profile Width | 24 mm / 15/16” |
| $H_p$ | Light Profile Height | 30 mm / 1 3/16” |
| $C_L$ | Cable Length | 5 m / 16 ft 4 14/16” |
| | | other Lengths on request |

### 2 LUMINA LARGE

**CEILING CANOPY**
Black Powder Coated




**Dimensions**[1]

| | | |
|---|---|---|
| $L_p$ | Light Profile Length | 1120 mm / 44 3/32” |
| $W_p$ | Light Profile Width | 24 mm / 15/16” |
| $H_p$ | Light Profile Height | 30 mm / 1 3/16” |
| $C_L$ | Cable Length | 5 m / 16 ft 4 14/16” |
| | | other Lengths on request |

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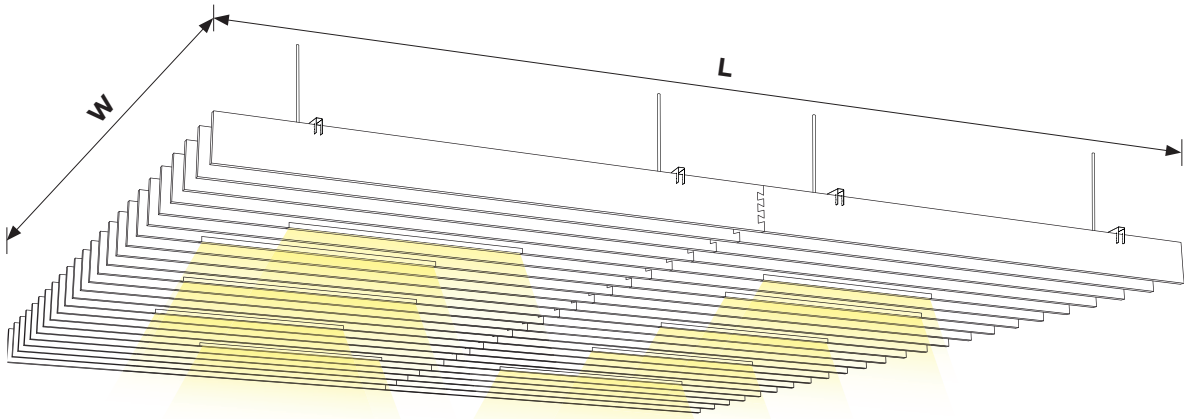
# LUMINA Bespoke Baffle
## Geometry Information

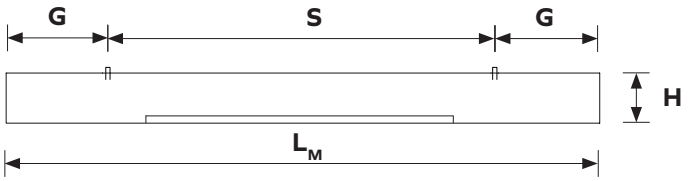
Custom solutions available

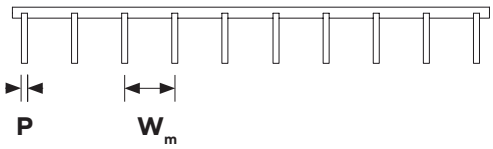
## Reference geometry

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**

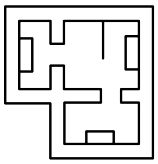
| | | | | |
|---|---|---|---|---|
| **W** | Total width | on demand | on demand | *bespoke* |
| **$W_m$** | Spacing | 100 - 300 mm | 4”-10” | *standard or bespoke* |
| **L** | Total length | on demand | on demand | *bespoke* |
| **$L_m$** | Length module | 1600 - 2400 mm | 63’’-94.5” | *standard* |
| **G** | Overhang | 400 mm | 15.75” | *standard* |
| **S** | Support spacing | max. 1600 | max.63” | *standard* |
| **H** | Baffle height | 100 - 300 mm | 4”-10” | *standard or bespoke* |
| **P** | PET material thickness | 24 mm | 0.94” | *fixed* |

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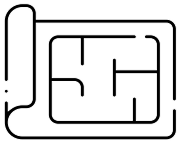
# LUMINA Bespoke Baffle
## Specification Guide

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



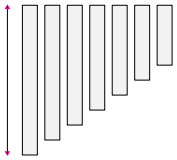
Ceiling Plans (RCP)

page 4



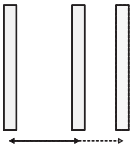
Other Considerations

### 2 Specify your Baffles:



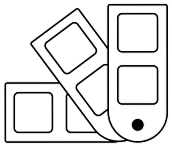
Height

page 4



Spacing

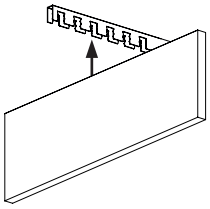
page 4



Colour

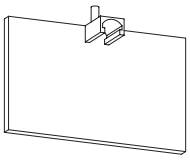
page 7 - 8

### 3 Select installation method:

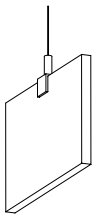


Felt-Fit Profile

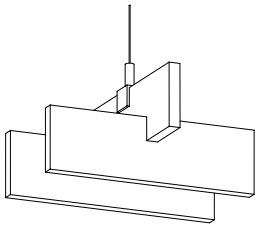
Standard Installation Method



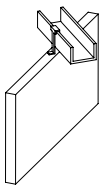
Strut Channel



Suspension Kit Bracket



Suspension Kit Bracket + Slotted Baffle



Multidirectional track

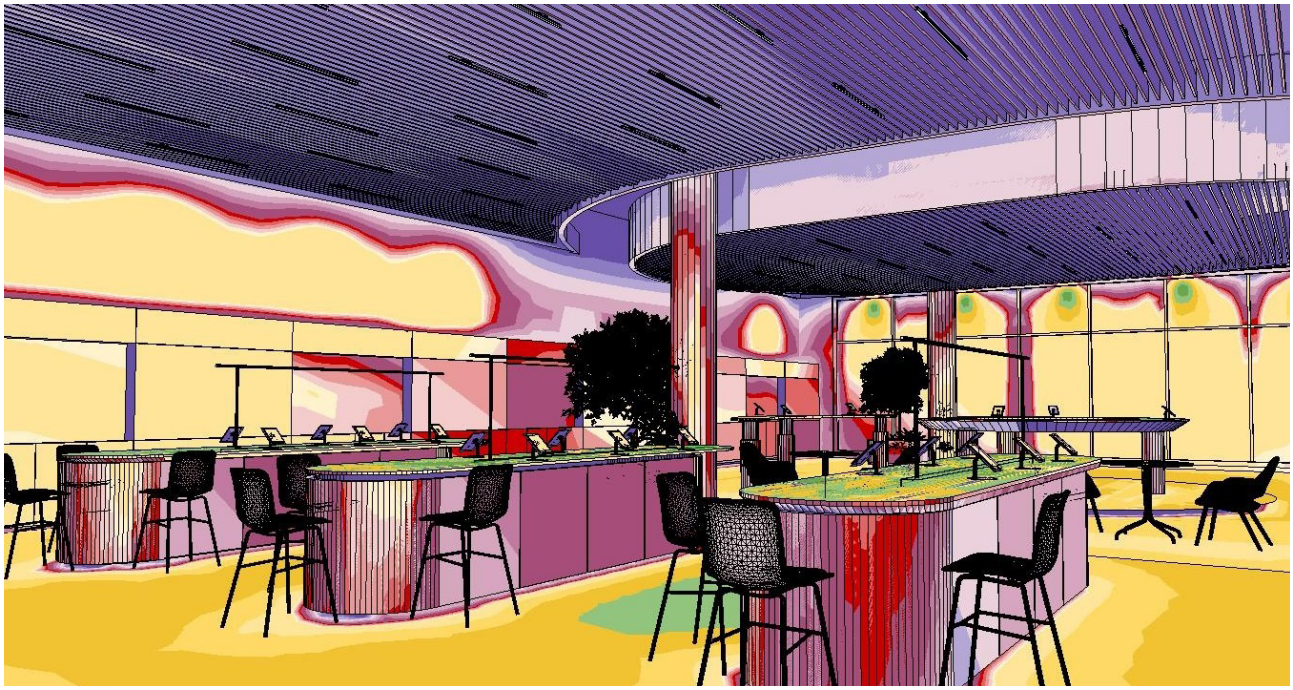
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# LUMINA Algorithmic System

## Acoustic meets lighting

We developed an algorithmically optimized parametric baffle system with fully integrated lighting. It combines Computational Design, high-performance acoustic absorption, and architectural lighting into one coherent, elegant system.
The integrated baffle system allows architects to create environments that feel lighter, softer, and more human—while simultaneously improving acoustic comfort and lighting quality. Because the geometry itself is algorithmically generated, each installation can adapt to the architectural context with far greater flexibility than conventional systems.





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# ARCHISONIC®
# Colours

Material brochure available



| 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

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# **ARCHI**SONIC® 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

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# **ARCHI**SONIC® Felt
# Material Specification

| | | |
|---|---|---|
| **Product Name** | ARCHISONIC® Felt | |
| **Content** | 100% PET (60% certified post-consumer content) | |
| **Thickness**[1] | 12mm (0.47") | 24mm (0.94") |
| **Max. Size** | 1200x2800mm (47"x110") | 1800x2400mm (70"x94") |
| **Acoustic**[2] | **ASTM:** NRC=0.6 **ISO**: αw=0.65 | **ASTM**: NRC=0.9 **ISO**: αw=0.95 |
| **Density**[1] | 2400 g/m² (0.49 lbs/ sqft) | 4000 g/m² (0.82 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 fluff, 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**<br>Breeam® (International, UK, NL, SE, NOR) **Exemplary**<br>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

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# **ARCHI**SONIC® 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**<br>Breeam® (International, UK, NL, SE, NOR) **Exemplary**<br>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

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