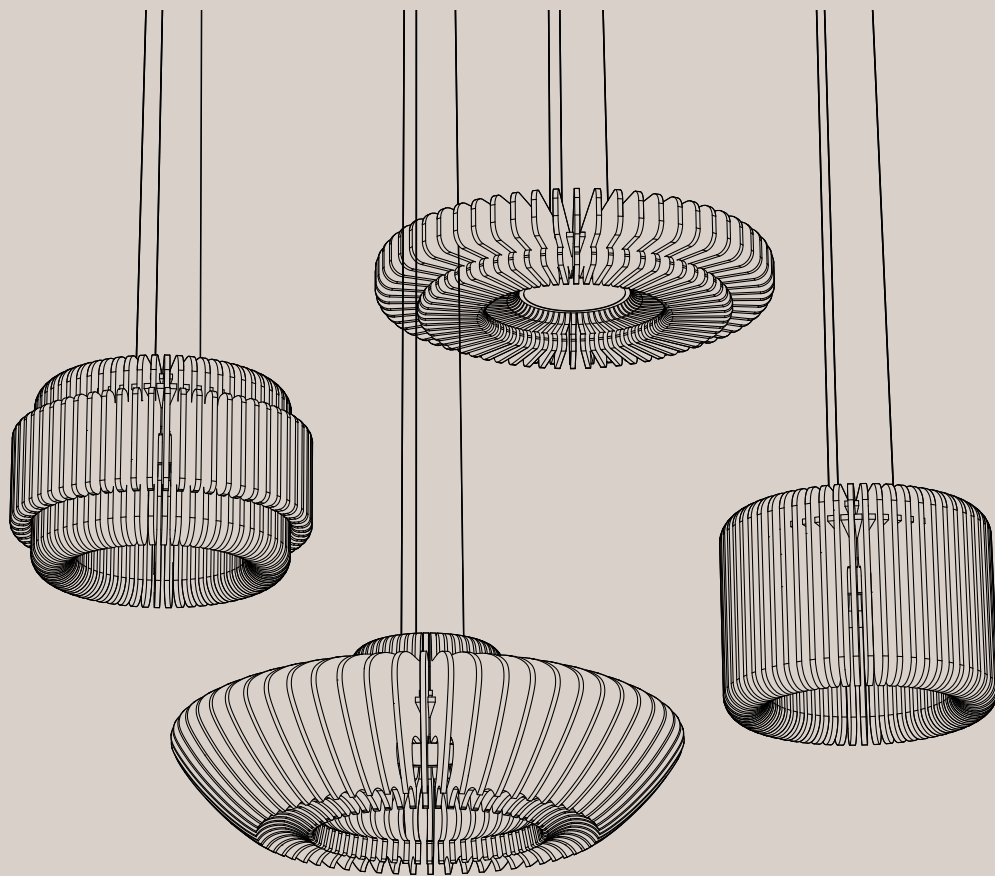


IMPACT ACOUSTIC®



RAYA Collection

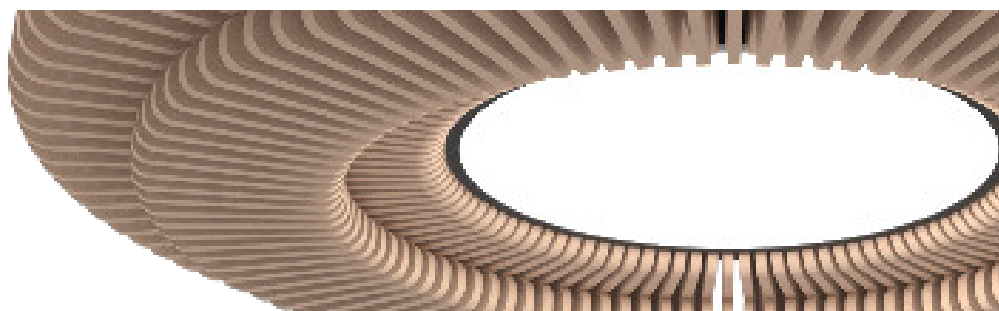
Acoustic Lighting

722.12.51.000.00 722.12.55.000.00
722.12.52.000.00 722.12.56.000.00
722.12.53.000.00 722.12.57.000.00
722.12.54.000.00 722.12.58.000.00

TECHNICAL DATA SHEET

RAYA Collection

Acoustic Lighting



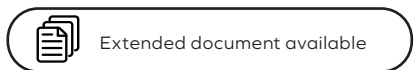
Data

Applicable Article numbers

	Small	Medium
Aurelia	722.12.51.000.00	722.12.52.000.00
Alba	722.12.53.000.00	722.12.54.000.00
Covo	722.12.55.000.00	722.12.56.000.00
Helia	722.12.57.000.00	722.12.58.000.00

Material

Vertical Slats	ARCHISONIC® Felt - 100% PET (60% Post-consumer) in 36 colours and 9 Riftcut printed texture
LED Circular Disk	Steel (RAL9005)

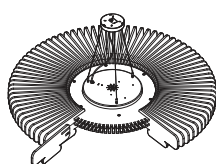


Weight¹

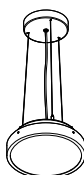
Full assembly	9 - 23.5 kg (±10%)	19.84 - 51.8 lbs (±10%)
---------------	--------------------	-------------------------

Included

Acoustic light Shade



Lighting module and Ceiling Canopy with Suspension



Installation guide



Warranty 2 years²



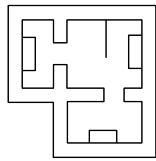
1 - all weight values are nominal

2 - Impact Acoustic warranty terms apply

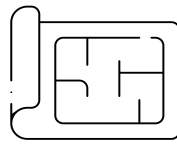
RAYA Collection

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 customized options.



Project Area



Ceiling Plans (RCP)

page 7



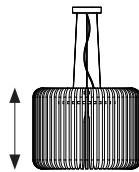
Other Considerations

page 7



Design

pages 6-9



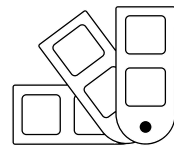
Size

page 6-9



LED Disk
Temperature

page 4 and 5



Colour and Texture

page 10 and 11

RAYA Collection

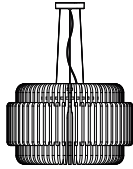
Acoustic Lighting

ARTICLE NUMBERS

Diffuser Diameter
280mm / 11 1/32"



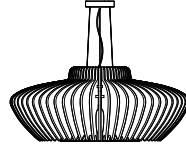
Ø 600 mm
23 5/8"
H 450 mm
17 23/32"
AURELIA
SMALL
(722.12.51)



Ø 700 mm
27 9/16"
H 450 mm
17 23/32"
ALBA
SMALL
(722.12.53)



Ø 800 mm
31 1/2"
H 300 mm
11 13/16"
COVO
SMALL
(722.12.55)

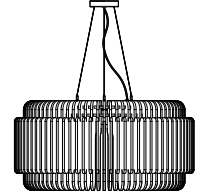


Ø 1000 mm
39 3/8"
H 415 mm
16 11/32"
COVO
MEDIUM
(722.12.56)

Diffuser Diameter
570mm / 22 7/16"



Ø 900 mm
35 7/16"
H 500 mm
19 11/16"
AURELIA
MEDIUM
(722.12.52)



Ø 1000 mm
39 3/8"
H 500 mm
19 11/16"
ALBA
MEDIUM
(722.12.54)

Lighting Product	Product Size	Colour code	Dimming	CCT	Market Voltages
722.12.	51. (Aurelia S)	Choose colour as shown on pg. 3	00. (DALI) 20. (0-10V)	30 (3000 K) 40 (4000 K) (other CCT on requests)	Standard Voltage (220 - 240 V) A for USA Market (110 - 277 V)
	52. (Aurelia M)				
	53. (Alba S)				
	54. (Alba M)				
	55. (Covo S)				
	56. (Covo M)				

Example1: 722.12.51.706.00.40

Aurelia Small [(600x450mm / 23.62"x17.72", Spearmint 706 colour, DALI, 4000K CCT, 220-240V (EU))]

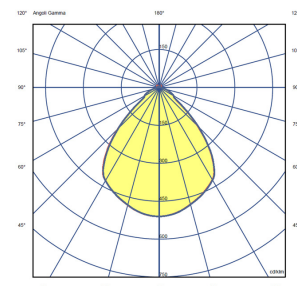
Example2: 722.12.54.706.20.30A

Alba Medium [(1000x500mm / 39.37"x19.69", Spearmint 706 colour, 0-10V, 3000K CCT, 110-277V (USA & Canada))]

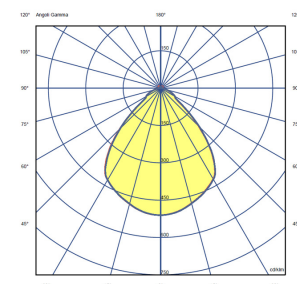
LIGHTING SPECIFICATIONS

	722.12.51, 53, 55, 56	722.12.52, 54
Output	Direct	Direct
Wattage (W)	27	55
CCT (K)	3000 4000	3000 4000
Lumen LED source (lm)	2850 2920	7250 7655
Total Lumen Output (lm)	1945 1995	4910 4989
Efficacy (lm/W)	72 74	90 92
Diffuser	Opal	
Dimming	0-10V / DALI	
CRI	90	
Voltage (V)	220 - 240 / 110 - 277	
Driver Location	On-Board	

LIGHT DISTRIBUTION GRAPH



Aurelia S
Alba S
Covo S
Covo M



Aurelia M
Alba M

CERTIFICATIONS



IMPACT ACOUSTIC®
RAYA Acoustic Lighting rev.01 25.11.25

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usa@impactacoustic.com
philippines@impactacoustic.com

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

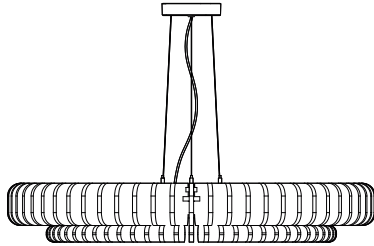
#WeMakeAnImpact

RAYA Collection

Geometry Information

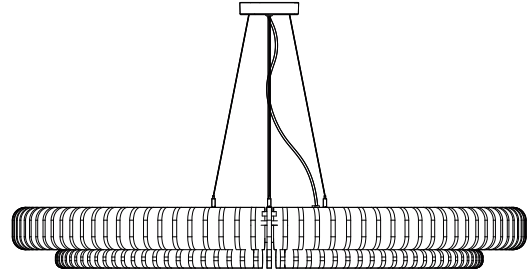
ARTICLE NUMBERS

Diffuser Diameter
280mm / 11 1/32"



Ø 1000 mm
39 3/8"
H 160mm
6 19/64"
HELIA
SMALL
(722.12.57)

Diffuser Diameter
570mm / 22 7/16"



Ø 1200 mm
47 1/4"
H 165mm
6 1/2"
HELIA
MEDIUM
(722.12.58)

Lighting Product	Product Size	Colour code	Dimming	CCT	Market Voltages
722.12.	57. (Helia S)	Choose colour as shown on pg. 3	00. (DALI) 20. (0-10V)	30 (3000 K) 40 (4000 K) (other CCT on requests)	Standard Voltage (220 - 240 V) A for USA Market (110 - 277 V)
	58. (Helia M)				

Example1: 722.12.57.105.00.40

Helia Small [(1000x160mm / 39.37"x6.3", Warmstone 105 colour, DALI, 4000K CCT, 220-240V (EU))]

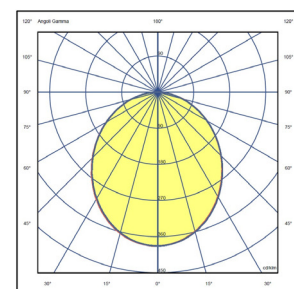
Example2: 722.12.58.107.20.30A

Helia Medium [(1200x165mm / 47.24"x6.5", Linen 107 colour, 0-10V, 3000K CCT, 110-277V (USA & Canada))]

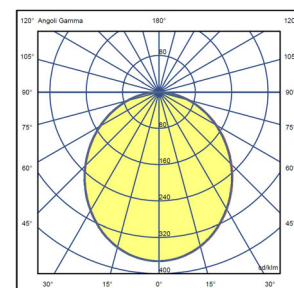
LIGHTING SPECIFICATIONS

	722.12.57		722.12.58	
Output	Direct		Direct	
Wattage (W)	27		55	
CCT (K)	3000	4000	3000	4000
Lumen LED source (lm)	2850	2920	7250	7655
Total Lumen Output (lm)	1945	1995	4910	4989
Efficacy (lm/W)	72	74	90	92
Diffuser	Opal			
Dimming	0-10V / DALI			
CRI	90			
Voltage (V)	220 - 240 / 110 - 277			
Driver Location	On-Board			

LIGHT DISTRIBUTION GRAPH



Helia S



Helia M

CERTIFICATIONS



IMPACT ACOUSTIC®
RAYA Acoustic Lighting rev.01 25.11.25

(Switzerland)
(USA)
(Philippines)

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

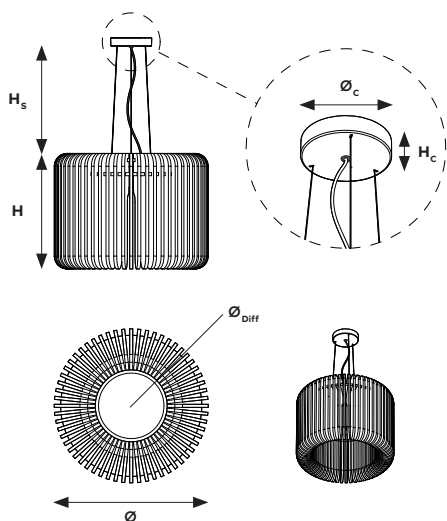
(+41) 41 244 14 00
(+1) 619 378 2100
(+63) 285 80 02 50

WeMakeAnImpact

RAYA Collection

Geometry Information

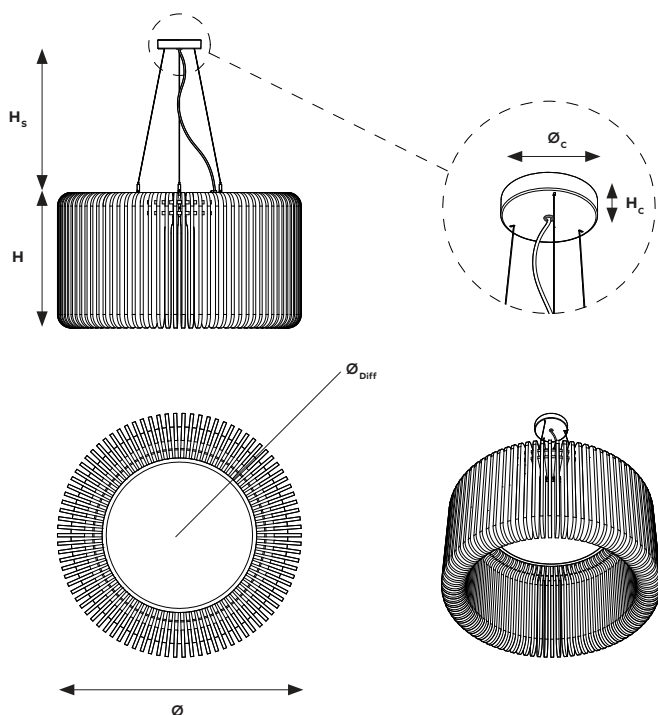
1 RAYA - Aurelia 600mm 722.12.51.000.00



Dimensions¹

\varnothing	Diameter	600mm / 23 5/8"
H	Height	450mm / 17 23/32"
H_s	Suspension Height	1500mm / 59 1/16"
H_c	Ceiling Canopy Height	35mm / 1 3/8"
\varnothing_c	Ceiling Canopy Diameter	160mm / 6 19/64"
\varnothing_{diff}	Diffuser Diameter	280mm / 11 1/32"
	Weight	10.5 kg

2 RAYA - Aurelia 900mm 722.12.52.000.00



Dimensions¹

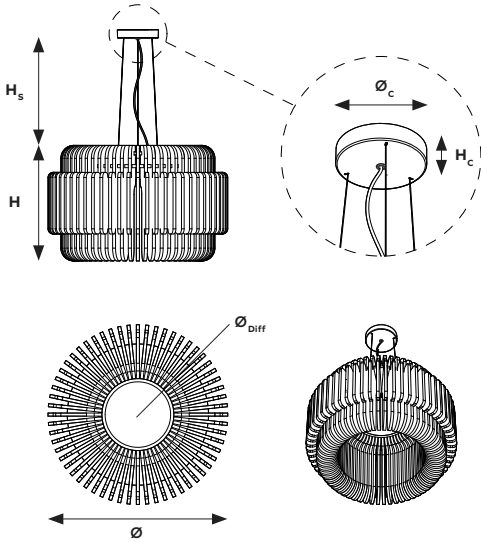
\varnothing	Diameter	900mm / 35 7/16"
H	Height	500mm / 19 11/16"
H_s	Suspension Height	1500mm / 59 1/16"
H_c	Ceiling Canopy Height	35mm / 1 3/8"
\varnothing_c	Ceiling Canopy Diameter	160mm / 6 19/64"
\varnothing_{diff}	Diffuser Diameter	570mm / 22 7/16"
	Weight	20 kg

¹ - All dimensions are nominal

RAYA Collection

Geometry Information

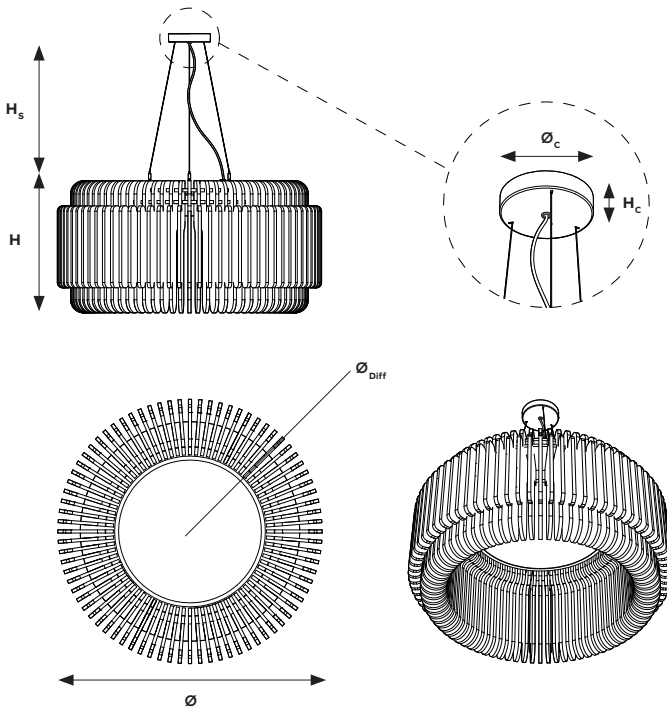
1 RAYA- Alba 700mm 722.12.53.000.00



Dimensions¹

\varnothing	Diameter	700mm / 27 9/16"
H	Height	450mm / 17 23/32"
H_s	Suspension Height	1500mm / 59 1/16"
H_c	Ceiling Canopy Height	35mm / 1 3/8"
\varnothing_c	Ceiling Canopy Diameter	160mm / 6 19/64"
\varnothing_{Diff}	Diffuser Diameter	280mm / 11 1/32"
	Weight	12 Kg

2 RAYA - Alba 1000mm 722.12.54.000.00



Dimensions¹

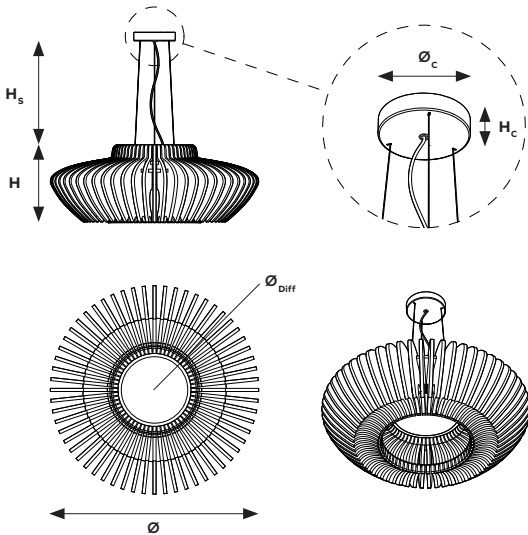
\varnothing	Diameter	1000mm / 39 3/8"
H	Height	500mm / 19 11/16"
H_s	Suspension Height	1500mm / 59 1/16"
H_c	Ceiling Canopy Height	35mm / 1 3/8"
\varnothing_c	Ceiling Canopy Diameter	160mm / 6 19/64"
\varnothing_{Diff}	Diffuser Diameter	570mm / 22 7/16"
	Weight	23.5 Kg

1 - All dimensions are nominal

RAYA Collection

Geometry Information

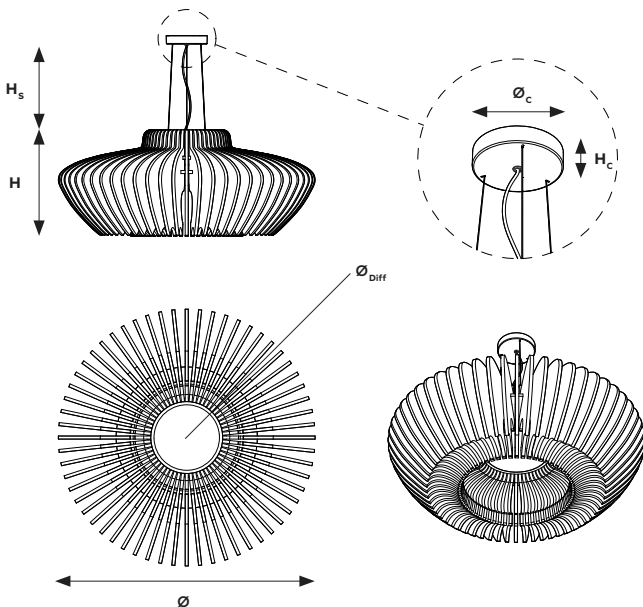
1 RAYA - Covo 800mm 722.12.55.000.00



Dimensions¹

\varnothing	Diameter	800mm / 31 1/2"
H	Height	300mm / 11 13/16"
H_s	Suspension Height	1500mm / 59 1/16"
H_c	Ceiling Canopy Height	35mm / 1 3/8"
\varnothing_c	Ceiling Canopy Diameter	160mm / 6 19/64"
\varnothing_{diff}	Diffuser Diameter	280mm / 11 1/32"
	Weight	9 Kg

2 RAYA - Covo 1000mm 722.12.56.000.00



Dimensions¹

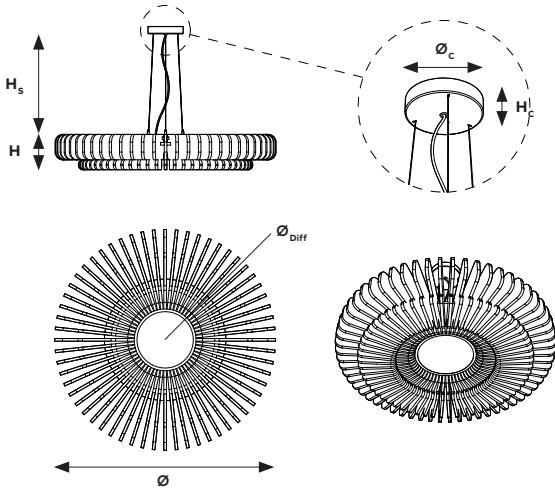
\varnothing	Diameter	1000mm / 39 3/8"
H	Height	415mm / 16 11/32"
H_s	Suspension Height	1500mm / 59 1/16"
H_c	Ceiling Canopy Height	35mm / 1 3/8"
\varnothing_c	Ceiling Canopy Diameter	160mm / 6 19/64"
\varnothing_{diff}	Diffuser Diameter	280mm / 11 1/32"
	Weight	14 Kg

¹ - All dimensions are nominal

RAYA Collection

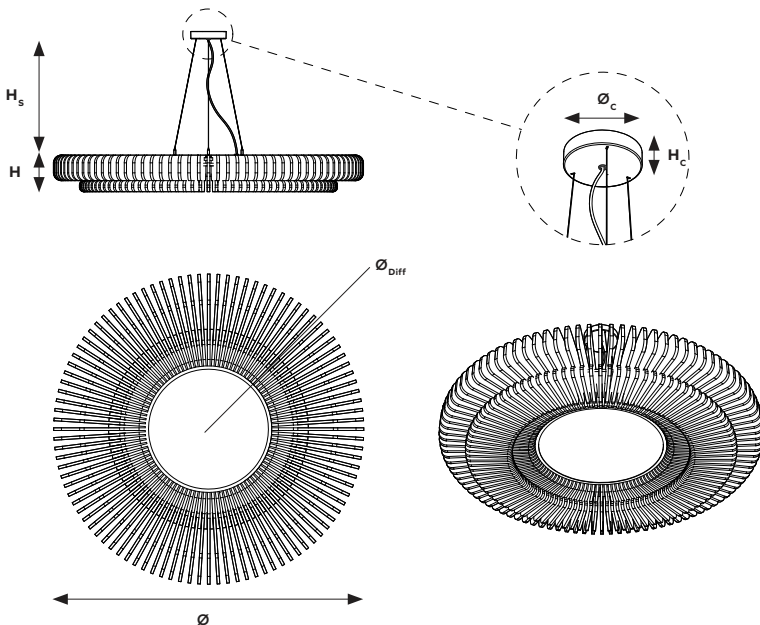
Geometry Information

1 RAYA - Helia 1000mm 722.12.57.000.00



Dimensions ¹		
Ø	Diameter	1000mm / 39 3/8"
H	Height	160mm / 6 19/64"
H _s	Suspension Height	1500mm / 59 1/16"
H _c	Ceiling Canopy Height	35mm / 1 3/8"
Ø _c	Ceiling Canopy Diameter	160mm / 6 19/64"
Ø _{Diff}	Diffuser Diameter	280mm / 11 1/32"
	Weight	10 Kg

2 RAYA - Helia 1200mm 722.12.58.000.00




















Dimensions ¹		
Ø	Diameter	1200mm / 47 1/4"
H	Height	165mm / 6 1/2"
H _s	Suspension Height	1500mm / 59 1/16"
H _c	Ceiling Canopy Height	35mm / 1 3/8"
Ø _c	Ceiling Canopy Diameter	160mm / 6 19/64"
Ø _{Diff}	Diffuser Diameter	570mm / 22 7/16"
	Weight	20.5 Kg

¹ - All dimensions are nominal










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® 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

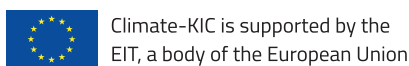


ARCHISONIC® Felt

Material Specification

Product Name	ARCHISONIC® Felt	
Content	100% PET (60% certified post-consumer content)	
Thickness¹	12mm (0.47")	24mm (0.94")
Max. Size	1200x2800mm (47"x110")	1800x2400mm (70"x94")
Acoustic²	ASTM: NRC=0.6 ISO: αw=0.65	ASTM: NRC=0.9 ISO: αw=0.95
Density¹	2400 g/m ² (0.49 lbs/ sqft)	4000 g/m ² (0.82 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 Bream® (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



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: $\alpha_w=0.65$	
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 Bream® (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



RAYA Collection

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



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

48h



Order Confirmation

Production¹

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.



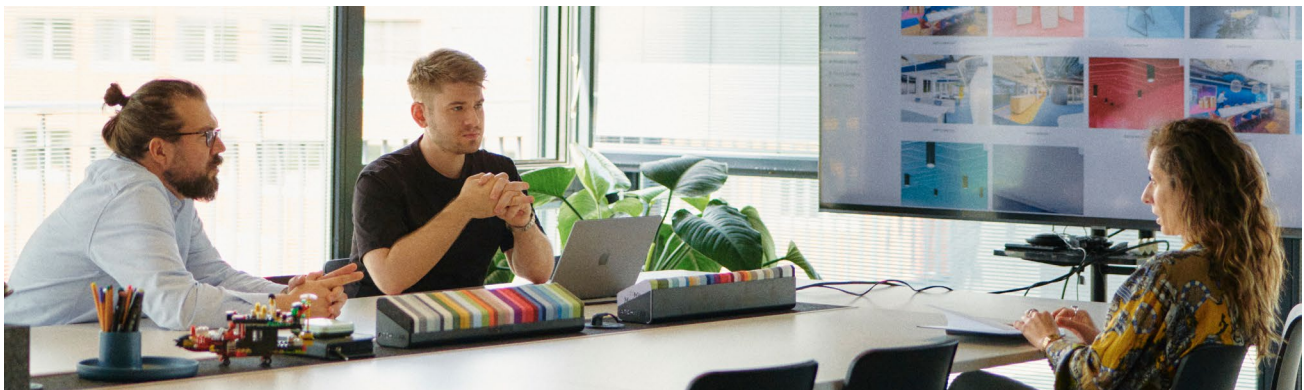
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

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Impact**

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