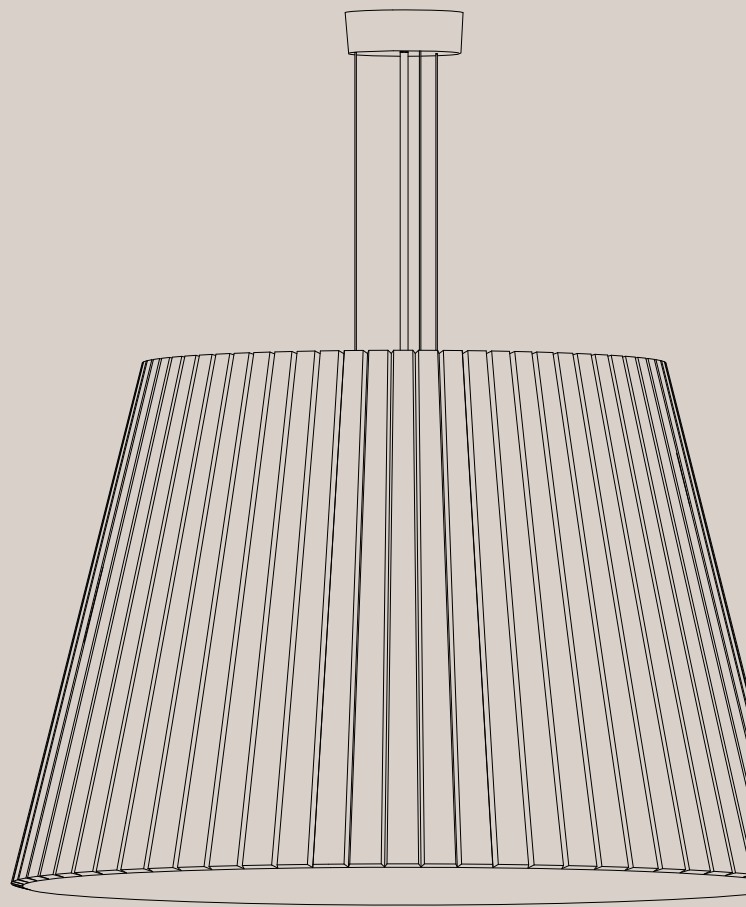


IMPACT ACOUSTIC®



Spark

Acoustic Lighting

722.12.16.000.00
722.12.14.000.00
722.12.15.000.00
722.12.17.000.00
722.12.18.000.00

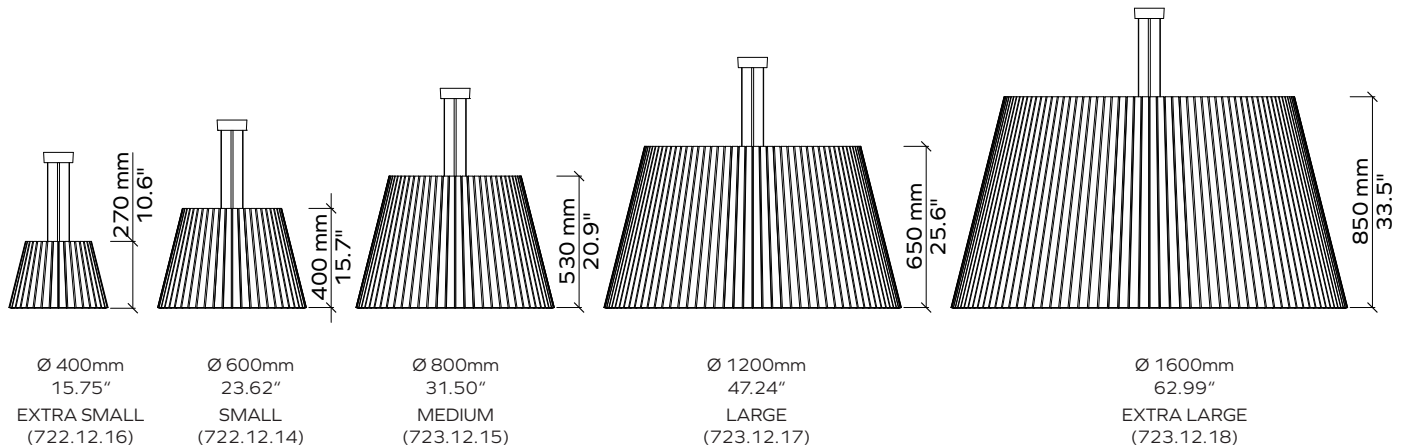
TECHNICAL DATA SHEET

Spark

Acoustic Lighting



PRODUCT DIMENSIONS



ARTICLE NUMBERS

Lighting Product	Product Size	Color code	CCT	North American Market
722.12.	16 (Extra Small)	Choose color as shown on pg. 3	27 (2700K)	Add an A at the end of the CCT code to indicate this product is for North America
	14 (Small)		30 (3000K)	
	15 (Medium)		35 (3500K)	
	17 (Large)		40 (4000K)	
	18 (Extra Large)			

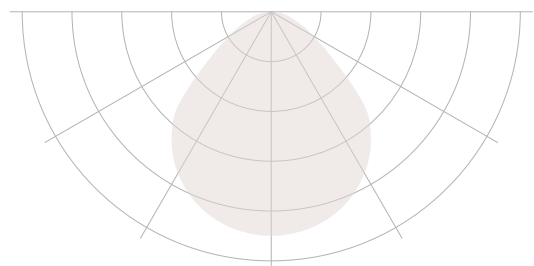
Example: 722.12.14.706.35A

Spark Small [(800x530mm / 31.50x20.87", Spearmint 706 color, 3500K CCT, 110-277V (North America)]

LIGHTING SPECIFICATIONS

	For all sizes (722.12.)
Output	Direct
Total Lumen Output (lm)	1580
Wattage	29
Efficacy (lm/W)	54
Diffuser	Opal / Microprism
Beam Angle	108
CCT	2700-3000-3500-4000K
CRI	90+
MacAdam	3
Voltage	220 - 240 V / 120V
Dimming	0.1% DSI/DALI Dimming
Driver Location	On-Board

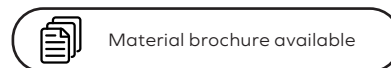
LIGHT DISTRIBUTION GRAPH



CERTIFICATIONS



ARCHISONIC® Felt Colors



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®

Colors

Experience our ARCHISONIC® Felt material with a stunning selection of 36 colors across 8 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colors harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Color fastness

Class 6

ISO 105-B02:A1

Order a free sample box



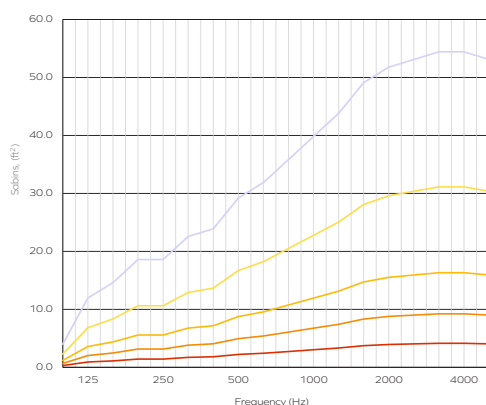
Spark

Acoustic Performance



Testing Standards

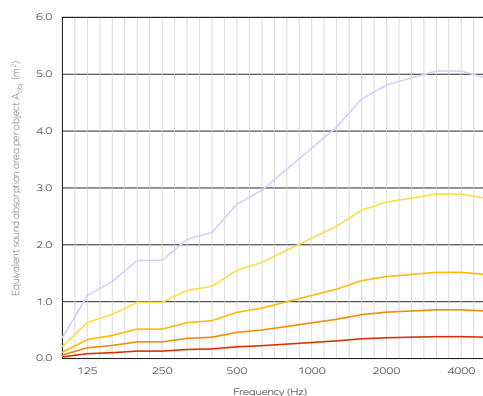
ISO 354:2003	Acoustics — Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics — Sound absorbers for use in buildings — Rating of sound absorption
ISO 20189:2018	Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound 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 Performance - ASTM Sabins, ft²

Frequency (Hz)	125	250	500	1000	2000	4000
12mm Spark (Extra Small)	1.08	1.08	2.15	3.23	4.31	4.31
12mm Spark (Small)	2.15	3.23	4.31	6.46	8.61	9.69
12mm Spark (Medium)	3.23	6.46	8.61	11.84	15.07	16.15
12mm Spark (Large)	5.38	11.84	16.15	22.60	29.06	31.22
12mm Spark (Extra Large)	9.69	19.38	27.99	39.83	51.67	53.82

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



Acoustic Performance - ISO A_{obj} , m²

Frequency (Hz)	125	250	500	1000	2000	4000
12mm Spark (Extra Small)	0.1	0.1	0.2	0.3	0.4	0.4
12mm Spark (Small)	0.2	0.3	0.4	0.6	0.8	0.9
12mm Spark (Medium)	0.3	0.6	0.8	1.1	1.4	1.5
12mm Spark (Large)	0.5	1.1	1.5	2.1	2.7	2.9
12mm Spark (Extra Large)	0.9	1.8	2.6	3.7	4.8	5.0

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 Spark (Extra Small)
- 12mm Spark (Small)
- 12mm Spark (Medium)
- 12mm Spark (Large)
- 12mm Spark (Extra Large)

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)
Color Fastness	Class 6 ISO 105-B02:A1	
Color	36 colors (see Archisonic® Felt Color 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



Spark

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



Color 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®
Acoustic Lighting rev.01 - 10.03.25

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