
Acoustic Lighting

NO BOUNDARIES



www.buzzi.space



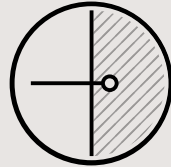
QUICK ACOUSTIC GUIDE

Acoustic Principles

ABSORPTION

Sound Waves are absorbed by any 'acoustically soft' material they encounter.

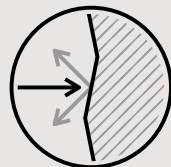
Sound is energy and in order to stop this energy from propagating, absorptive panels will be used to convert this energy into heat through friction. The absorption coefficient of a product will determine the level and quality of absorption. Absorption applies to fixed wall or ceiling elements.



DIFFUSION

Sound energy is spread evenly in a given space.

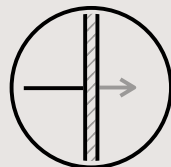
Wavelengths which cannot be absorbed through acoustic treatment will scatter evenly back into the room, ensuring a better spread while maintaining a live, vivid sound. This property can be obtained by alternating different depths of absorptive material and 3D shapes.



ATTENUATION

Reducing the sound transfer within a room.

In order to block the sound transfer between different spaces, vertical elements will be applied to cut down sound energy. Those can come in different shapes such as sound blocks, vertical ceiling panels, room dividers, desk screens... Attenuation or sound dampening has a positive impact on speech intelligibility and clarity.



Frequency

LOW TONES > 50 Hz -250 Hz

MID TONES > 250 Hz - 2500 Hz

HIGH TONES > 2500 Hz - 12000 Hz

QUICK LIGHTING GUIDE

Lighting Principles



LIGHT OUTPUT

The total quantity of visible light emitted by a source, expressed in **lumen (lm)**.

EFFICACY

The ratio of the light output to the electrical power consumed, expressed in **lumen/W (lm/W)**.

COLOR TEMPERATURE

A measure to describe how 'warm' or 'cool' the light emitted by a source is. Comparable to the sunlight from sunrise to sunset, expressed in **kelvin (K)**.

ILLUMINANCE

The quantity of light output falling on a surface, expressed in **lux (lx)**.

COLOR RENDERING INDEX (CRI)

A measure to describe how 'realistic' or 'natural' an object's color appears under a light source.

UNIFIED GLARE RATING (UGR)

A rating to describe the amount of discomforting glare caused by a light source

IP RATING IP20 ▶ Indoor use only / Dry location only

The degree of protection against dust or water.

Certifications



CE/CB certification

With the CE marking and CE declaration, BuzziSpace declares that the BuzziSpace lighting collection meets the requirements of the applicable CE directives. BuzziSpace even takes it a step further and provides a CB test report for its customers. This means a third party has tested samples of our lighting products against published IEC standards.



UL Listing

BuzziSpace lighting products for the US and Canada market have been tested to and comply with the applicable UL Standard and undergo periodic inspection to assure production of the listed products are in accordance with the listing.

EN12464

This standard describes minimum requirements for office lighting:

- ▶ min. LUX levels / type of task
- ▶ max. UGR levels / type of task
- ▶ min. CRI levels / type of task

CONTENT

004	Identity
005	Vision
006	Acoustic Lighting
008	How to specify
009	Product Overview
010 - 013	Case Studies
014 - 041	Products
016 - 019	BuzziBell
020 - 023	BuzziClipse
024 - 025	BuzziChandelier
026 - 029	BuzziLight Mono
030 - 031	BuzziLight Alhambra & Royal
032 - 035	BuzziMoon
036 - 039	BuzziShade Pendant
040 - 041	BuzziShade Standing
042	Specifications
044	Materials
072	Acoustic Expertise
074 - 075	What is Sound
076	BuzziSpace Acoustics
077	Tools
078	Publisher
079	Contact

IDENTITY

BuzziSpace is relentless in its pursuit of bettering the world through design. It started with acoustics. From there, the mission grew. Driven by an unbounded passion for solving modern design challenges, BuzziSpace continuously reimagines furnishings to be more functional and more fun. The brand provides new ways of working, living and being sustainable.

VISION

We believe in “No Boundaries”. For us, this means developing unique designs that are adaptive for different work and collaboration styles. With an open spirit, BuzziSpace offers functional solutions for the office of the future.

Sociability, innovation and wellbeing are key words in today’s working environments. Therefore, BuzziSpace’s mission is to create healthy and happy workspaces. With our new range of Acoustic Lighting products, we offer unique solutions that contribute to the wellbeing of employees across the globe.

ACOUSTIC LIGHTING

Our mission is to create furniture for happy and healthy workspaces. Both acoustics and lighting influence wellbeing and are the main contributors to a positive workspace.

With the launch of BuzziLight in 2008 BuzziSpace took its first steps into the world of 'ACOUSTIC LIGHTING'. Nowadays we offer a full range, from decorative to functional lighting. Crucial in space planning is considering all relevant variables that affect sound and illumination, preferably from the beginning of a project.

How to put into practice? Some inspirational settings show you how to implement acoustic lighting. Take a tour and enjoy.



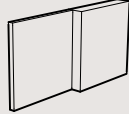








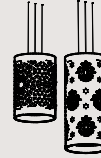









WANT TO BECOME AN [ACOUSTIC EXPERT?](#)

GO TO PAGE 72

HOW TO SPECIFY

Never specified acoustic lighting before? No worries, we'll make it easy for you. Check out this quick summary of our offering. See even more details in our case studies starting on page 10.



Products	Model Size	Certification	Lighting Typology	Light Source	Acoustic Principle	Acoustic Performance
 BuzziBell	1 size	CE UL US LISTED	FUNCTIONAL Lighting	LED Board		Low Tones Mid Tones High Tones
 BuzziClipse	Square	CE	INDIRECT Lighting	LED Strip	 	Low Tones Mid Tones High Tones
	Rectangular Square Double					
 BuzziChandelier	1 size	CE UL US LISTED	DECORATIVE Lighting	Retrofit	 	Mid Tones High Tones
 BuzziLight Mono	L	CE UL US LISTED	DECORATIVE Lighting	Retrofit	 	Mid Tones High Tones
 BuzziLight Alhambra & Royal	XL Low	CE UL US LISTED	DECORATIVE Lighting	Retrofit	 	Mid Tones High Tones
	XL High					
 BuzziMoon	S	CE UL US LISTED	FUNCTIONAL Lighting	LED Board	 	Low Tones Mid Tones High Tones
	M					
	L					
 BuzziShade Pendant	M	CE UL US LISTED	DECORATIVE Lighting	Retrofit		Mid Tones High Tones
	L					
 BuzziShade Standing	1 size	CE	DECORATIVE Lighting	Retrofit		Mid Tones High Tones

PRODUCT OVERVIEW

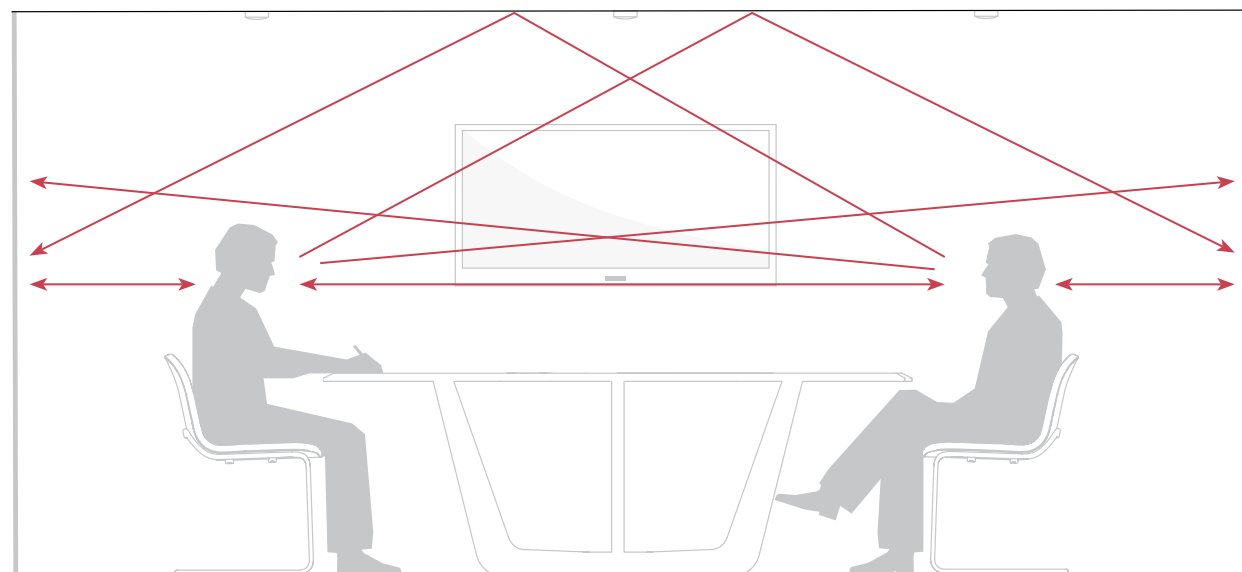
CASE STUDIES

MEETING ROOM

THE MEETING ROOM IS A TYPICAL EXAMPLE WHERE THE RIGHT LIGHTING AND ACOUSTICS ARE NECESSARY TO MAKE CONVERSATION BETWEEN PARTICIPANTS CLEAR AND PLEASANT. PRESENTATIONS ALSO REQUIRE SPECIFIC INDIRECT LIGHTING FOR MAXIMUM VISIBILITY OF THE SCREEN.

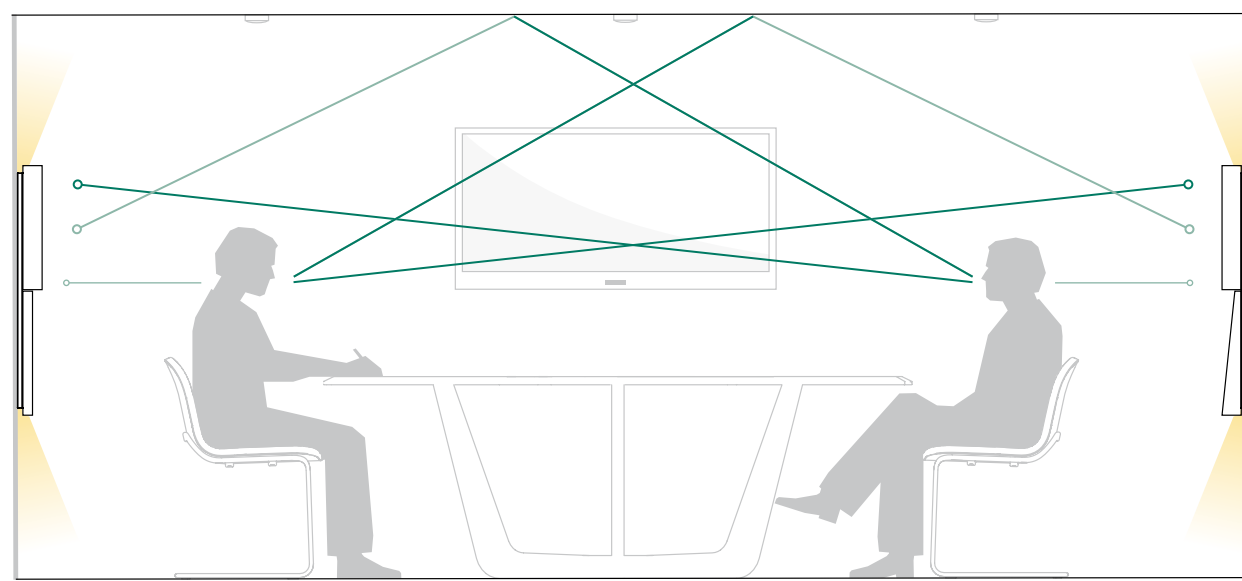
CHALLENGES

- > Speech clarity
- > Concentration time
- > Adequate lighting for different functionalities



SOLUTIONS

During (video) conferencing, acoustics and lighting should be well balanced. Create a setting with **BuzziClipse** along the walls. This high-performance acoustic product will absorb both mid and high tones. The subtle indirect backlighting adds that extra notch to the meeting room.

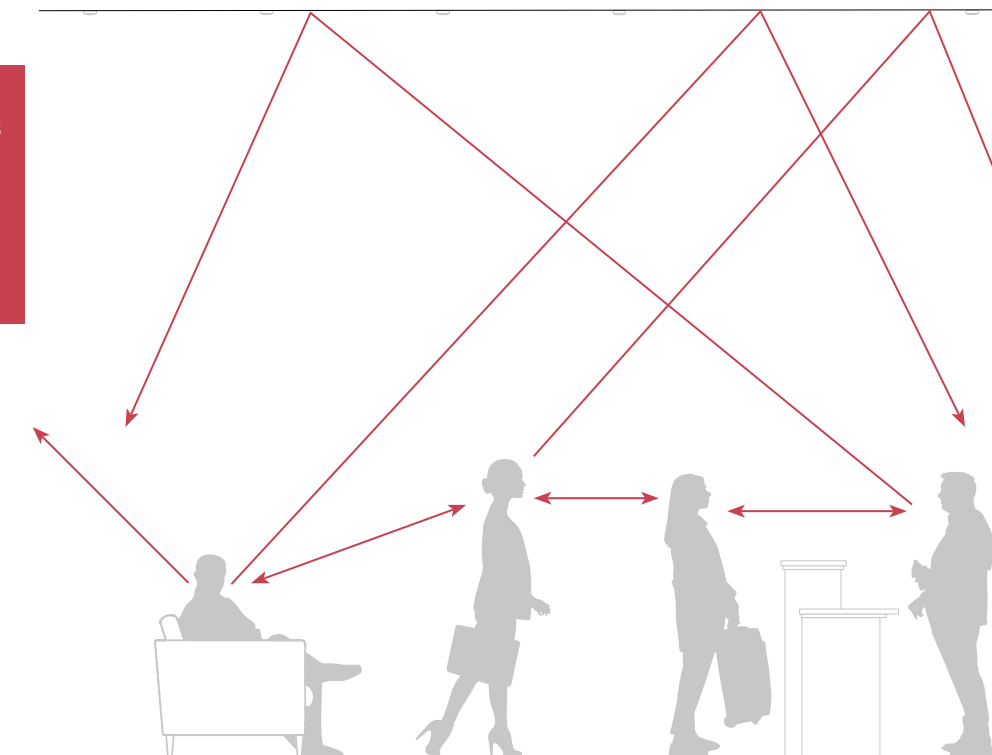


LOBBY

THE HOTEL OR OFFICE LOBBY IS THE SPOT WHERE PEOPLE GATHER. TO ENSURE PRIVACY AT THE WELCOME DESK AND IN THE WAITING AREAS, THIS VERY NOISY AND MULTIFUNCTIONAL SPACE REQUIRES SPECIFIC ACOUSTIC CARE AND AN ADEQUATE LIGHTING EXPERIENCE.

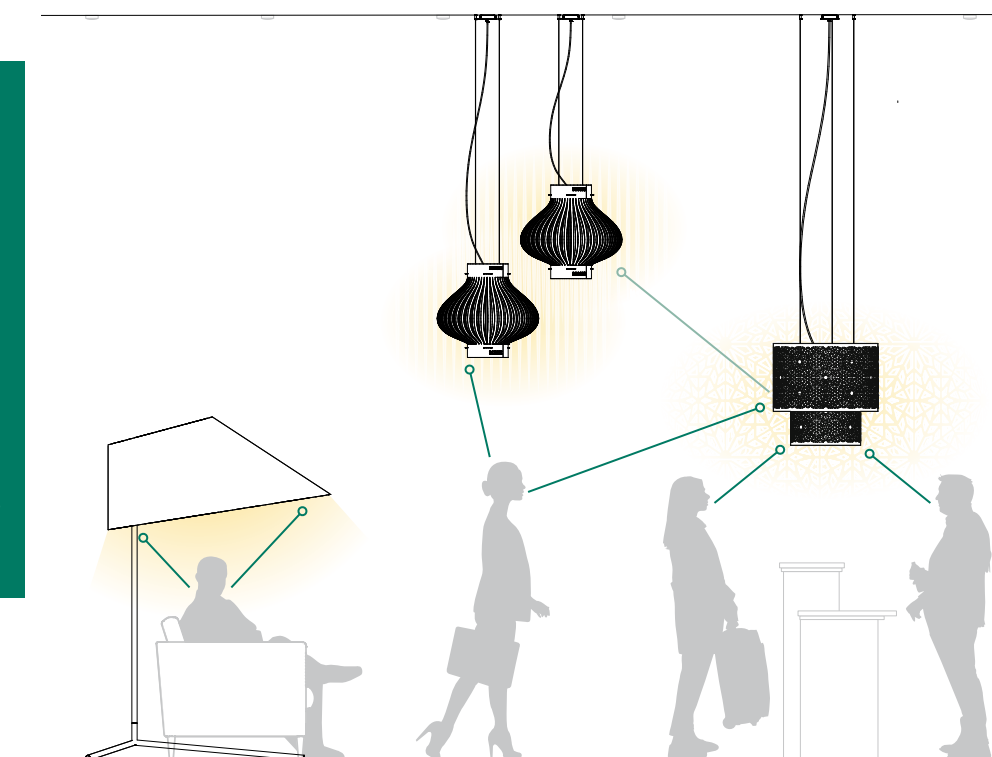
CHALLENGES

- > Create privacy
- > Manage sound transfers from groups
- > Avoid overhearing phone calls
- > Adequate lighting for different settings



SOLUTIONS

With **BuzziShade Standing** you create cozy, private corners, while managing incoming and outgoing sound transfers. **BuzziChandeliers** lined up above the welcome desk create a luscious atmosphere and make sure that conversations don't interfere with other settings. In the open space of the lobby use **BuzziLight Mono** to create a subtle lighting experience and control sound transfers.



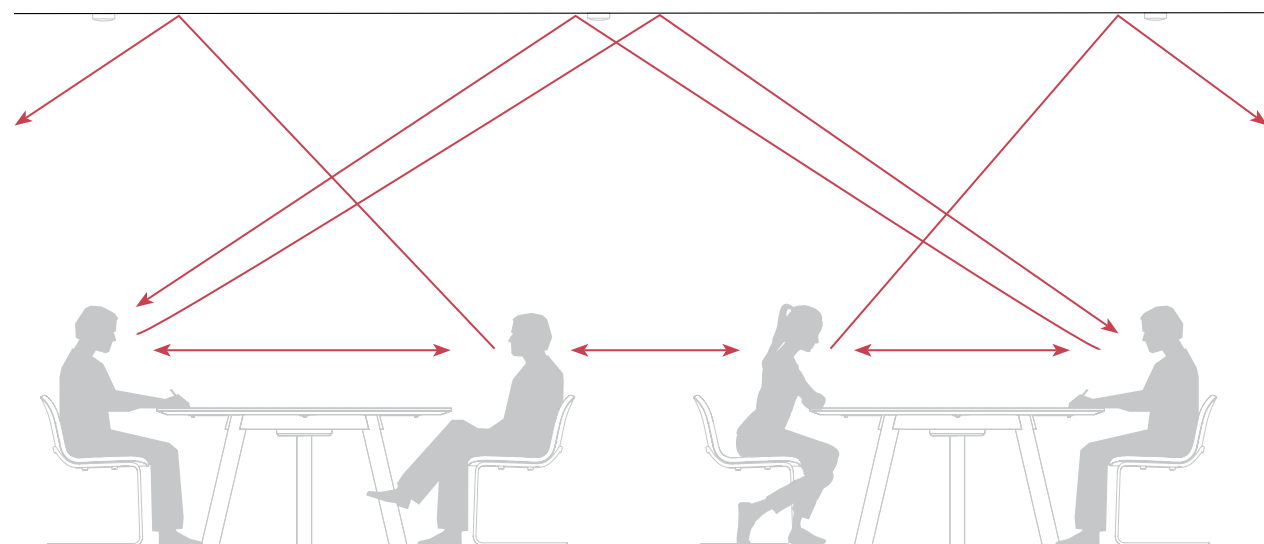
OTHER SOLUTIONS: **BuzziLight Alhambra & Royal**

OPEN SPACE

THE POPULAR OPEN-OFFICE MODEL CONNECTS WORKERS BUT, AT THE SAME TIME, PRIVACY AND QUIET IS NEEDED. WE CALL THIS WORKING APART TOGETHER.

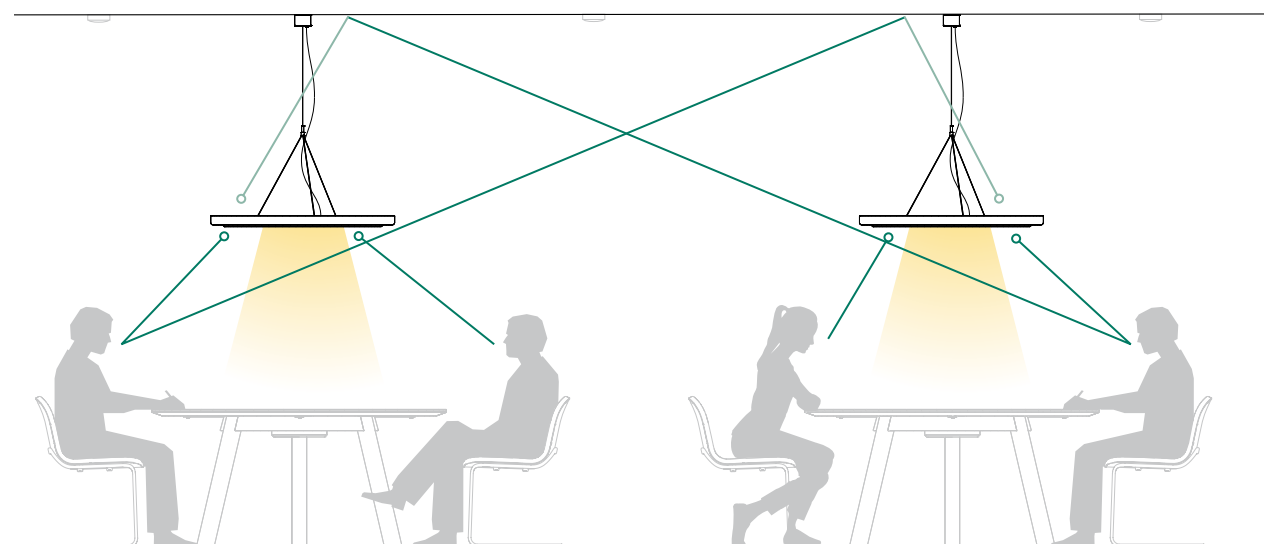
CHALLENGES

- > Reduce and manage noise from conversations, phone calls, informal talks, ...
- > Create privacy
- > Functional task light



SOLUTIONS

BuzziMoon above the workstations considerably improves the acoustics and at the same time delivers the necessary light output on the workstation.



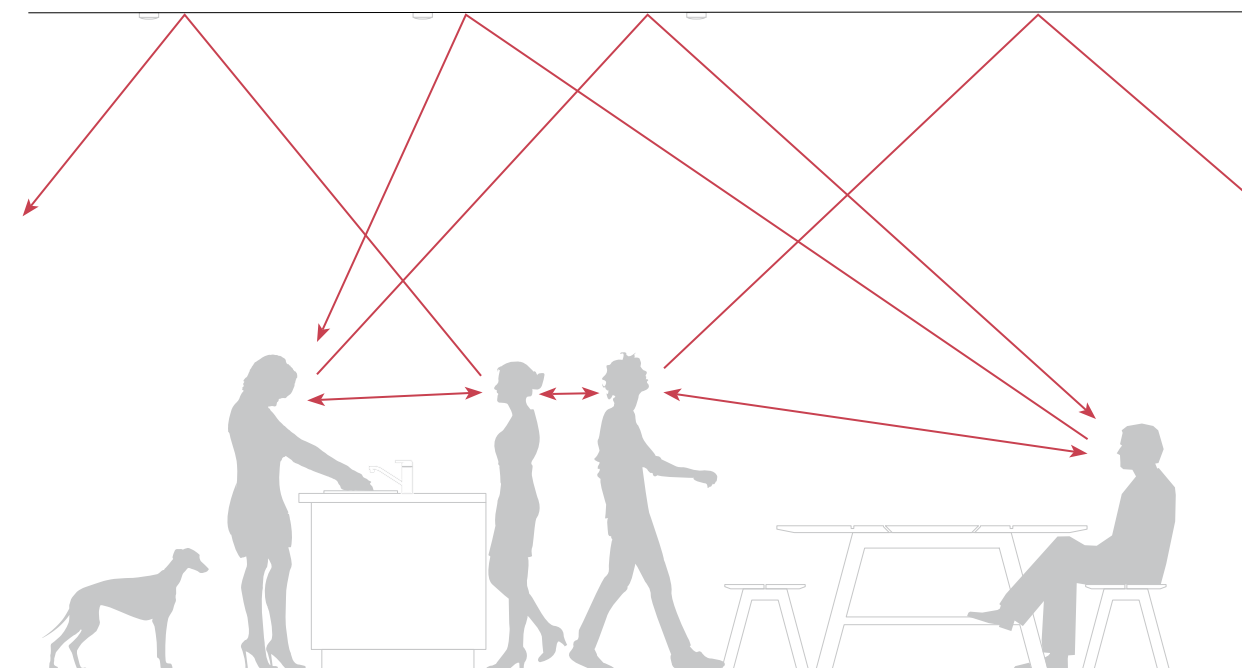
OTHER SOLUTIONS: **BuzziBell**

COFFEE CORNER | CAFETERIA

DISCONNECT FOR 10 MINUTES, HAVE YOUR LUNCH OR GET TOGETHER FOR AN INFORMAL TALK AT THE COFFEE MACHINE. TO CREATE HAPPY AND HEALTHY SETTINGS AND COZY CORNERS, ACOUSTICS AND LIGHTING ARE CRUCIAL. THIS APPLIES TO OFFICES BUT JUST AS WELL TO RESIDENTIAL SETTINGS SUCH AS OPEN SPACE KITCHENS AND LIVING ROOMS.

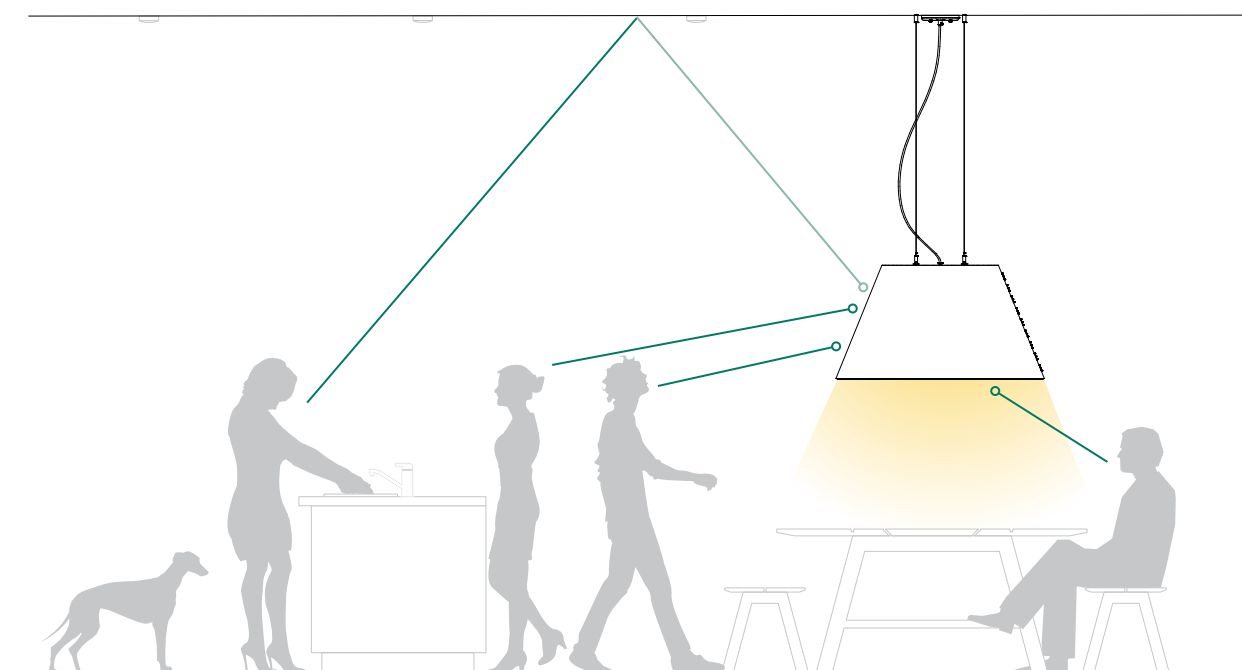
CHALLENGES

- > Manage high pitched sounds
- > Create cozy corners in open spaces
- > Establish different settings in one room



SOLUTIONS

Create cozy corners by using **BuzziShade Pendant** in different sizes. Thanks to the design and the felt finish, it has a high acoustic performance, reducing mid and high tones. At the same time, it creates separated settings with ambient light. Perfect for reading or having an informal chat.

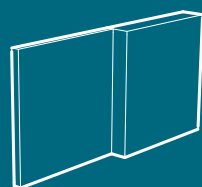


OTHER SOLUTIONS: **BuzziChandelier**

LIGHTING



BuzziBell — 016



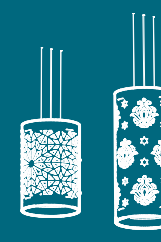
BuzziClipse — 020



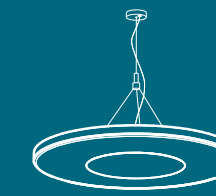
BuzziChandelier — 024



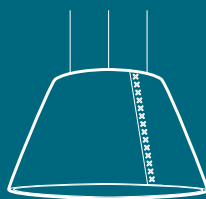
BuzziLight Mono — 026



BuzziLight Alhambra & Royal — 030



BuzziMoon — 032



BuzziShade Pendant— 036



BuzziShade Standing — 040

LIGHTING

BuzziBell

— by Chris Hardy

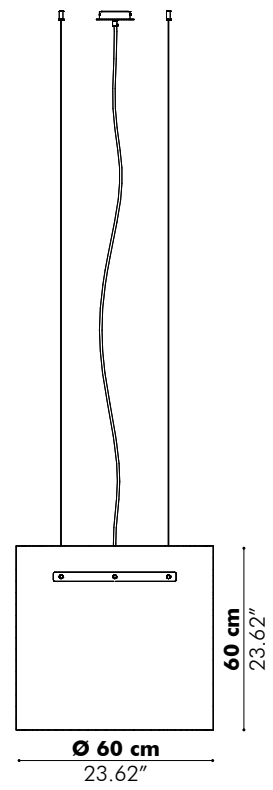
Acoustical lighting solution

Stretching the BuzziFelt to its limits, BuzziBell is recognized by the harmonious curve of its bell-shape. Its design adds softness to a room with the textural look of felt and a delicate, diffused light source or high performance LED engine. BuzziBell is offered in the 12 BuzziFelt colors, has a metal feature and is CE and UL listed. BuzziBell makes a statement in offices, restaurants, hotels, institutions and residences.

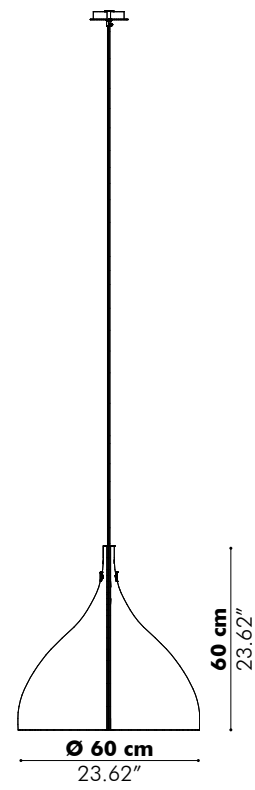


Dimensions

Front



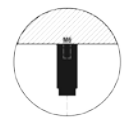
Side



Finishes

Powder coated metal frame in black (RAL 9005), white (RAL 9010) or fluo yellow (RAL 1016)
Cover in BuzziFelt

Mounting



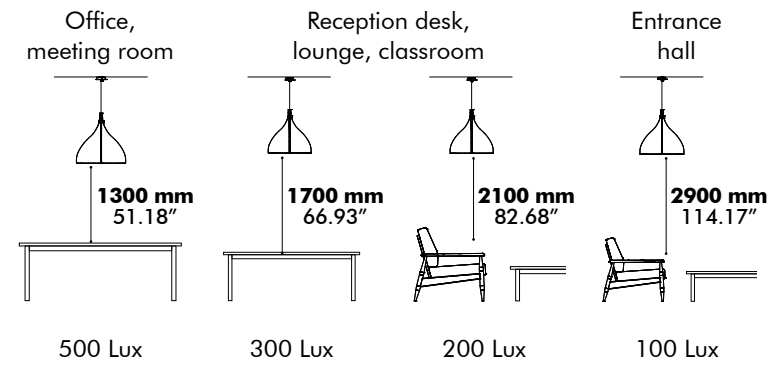
Ceiling Suspended
Fixing System Screw with 2 cables of 2 m - 78.74" or 5 m - 196.85" (black or alu)

Light

Input Voltage: 110 - 240V
Input Frequency: 50/60Hz
Color temperature: 3000K
Color Rendering Index: >90
1-10V dimmable
CE/CB certified / cULus listed

Lux levels

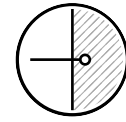
To enlighten your space with optimal lux level take following measures into account.



* According to EN12464

Acoustics

Acoustic Principles



Absorption

Acoustic Performance

Low Tones
Mid Tones
High Tones

How to order

BuzziFelt color
Color frame
Mounting option



BuzziClipse

— by BuzziSpace Studio

Acoustic play of light

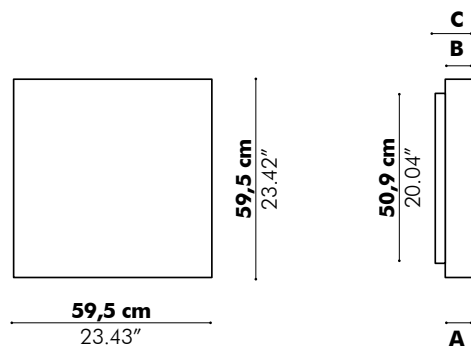
BuzziClipse offers the best of both worlds: subtle backlighting experience and highly acoustical performance. The frontpanel of BuzziClipse, designed to tackle acoustical issues in a room, is based on a highly finished aluminum frame housing the LED strip with an output of 870 lumen. The LED frame is offered in 2 variants: square and rectangular. Playing with different LED frames combined with front panels, upholstered in different fabrics, results in a nice wall feature and a high-performance sound dampener. This product is a true acoustical “eclipse”.



Models

Square

SQ-4-8-12-Wedge



SQ-4-8-12



SQ-Wedge

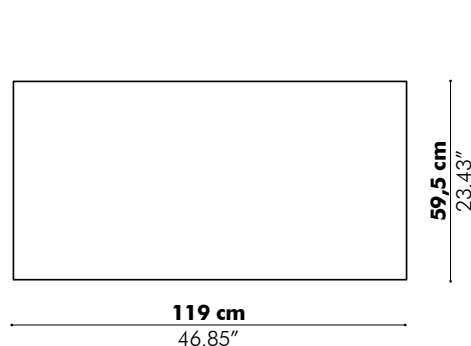


WOLS: Wedge on long side
WOSS: Wedge on short side

	SQ-4	SQ-8	SQ-12	SQ-Wedge
A	4 cm 1.57"	8 cm 3.15"	12 cm 4.72"	4 cm 1.57"
B	4 cm 1.57"	8 cm 3.15"	12 cm 4.72"	12 cm 4.72"
C	7 cm 2.76"	11 cm 4.33"	15 cm 5.90"	15 cm 5.90"
D	-	-	-	7 cm 2.76"

Rectangular

R-4-8-12-Woss-Wols



R-4-8-12



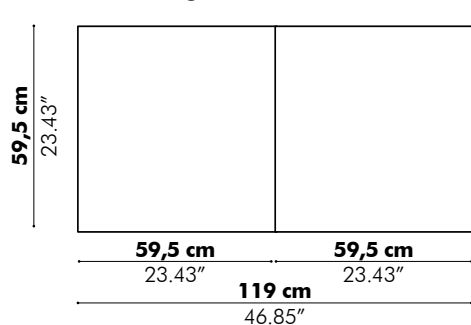
R-Wedge



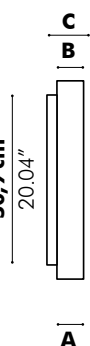
	R-4	R-8	R-12	R-Woss	R-Wols
A	4 cm 1.57"	8 cm 3.15"	12 cm 4.72"	4 cm 1.57"	4 cm 1.57"
B	4 cm 1.57"	8 cm 3.15"	12 cm 4.72"	12 cm 4.72"	12 cm 4.72"
C	7 cm 2.76"	11 cm 4.33"	15 cm 5.90"	15 cm 5.90"	7 cm 2.76"
D	-	-	-	7 cm 2.76"	15 cm 5.90"

Square Double

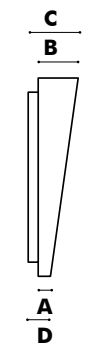
SQ-4-8-12-Wedge



SQ-4-8-12



SQ-Wols



	SQ-4 + SQ-4	SQ-4 + SQ-8	SQ-4 + SQ-12	SQ-4 + SQ-W
A	4 cm 1.57"	4 cm 1.57"	4 cm 1.57"	4 cm 1.57"
B	4 cm 1.57"	8 cm 3.15"	12 cm 4.72"	12 cm 4.72"
C	7 cm 2.76"	7 cm 2.76"	7 cm 2.76"	7 cm 2.76"
D	7 cm 2.76"	11 cm 4.33"	15 cm 5.90"	15 cm 5.90"

	SQ-8 + SQ-8	SQ-8 + SQ-12	SQ-8 + SQ-W
A	8 cm 3.15"	8 cm 3.15"	8 cm 3.15"
B	8 cm 3.15"	12 cm 4.72"	12 cm 4.72"
C	11 cm 4.33"	11 cm 4.33"	11 cm 4.33"
D	11 cm 4.33"	15 cm 5.90"	15 cm 5.90"

	SQ-12 + SQ-12	SQ-12 + SQ-W	SQ-W + SQ-W
A	12 cm 4.72"	4 cm 1.57"	4 cm 1.57"
B	12 cm 4.72"	12 cm 4.72"	12 cm 4.72"
C	15 cm 5.90"	7 cm 2.76"	7 cm 2.76"
D	15 cm 5.90"	15 cm 5.90"	15 cm 5.90"

Finishes

Upholstery in fabric collections CAT A, B, C, D, E, F
(check our application overview p. 48)
Anodized aluminum frame

Mounting

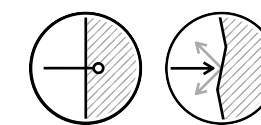
Wall-mounted
Horizontal or vertical

Light

LED light wall mounted
Lumen output 580 Lumen - 870 Lumen
Available for EU and US
Different models can be electrically connected by use of distance holders.

Acoustics

Acoustic Principles



Absorption Diffusion

Acoustic Performance

Low Tones
Mid Tones
High Tones

How to order

Model
Fabric (CAT > collection > color)



BuzziChandelier

— by Sas Adriaenssens

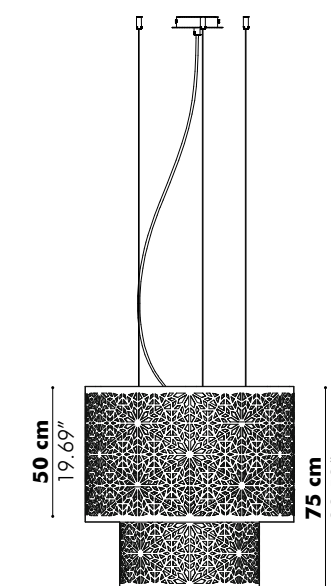
An eye-catching lighting solution

Make a statement with your lighting by opting for the BuzziChandelier. A contemporary take on the classic chandelier. The perfect way to add atmosphere to your room with artful shadows and softened sounds. BuzziChandelier is an ideal design statement and acoustical solution for offices, restaurants, hotels, institutions, residences and more.

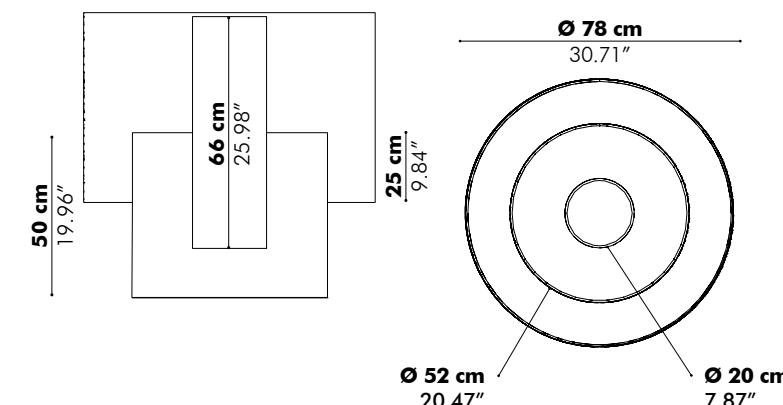
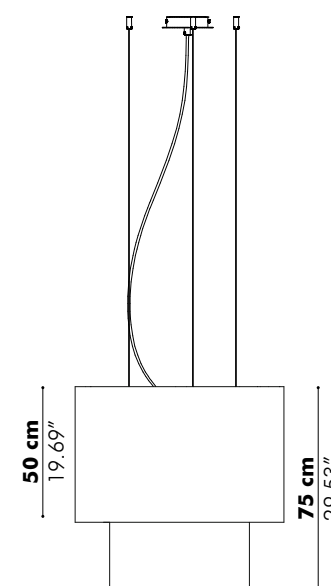


Dimensions

Chandelier



Chandelier Plain

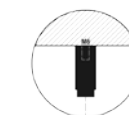


Finishes

Metal frame in black (RAL 9005)
Shades in BuzziFelt or BuzziFelt printed
(Gold, Carrara, Emperor)

Mounting

Metal ceiling canopy and black fabric power cable incl.



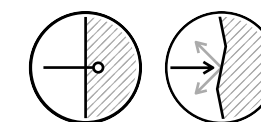
Ceiling Suspended
Fixing System Screw with 3 cables of 2 m - 78.74" or
5 m - 196.85" (black or alu)

Light

Input Voltage: 110 - 240V
4 pin CFL Bulb with 2G11 base included 55W (EU-CE certified)
Bulb excluded (US-cULus listed)

Acoustics

Acoustic Principles



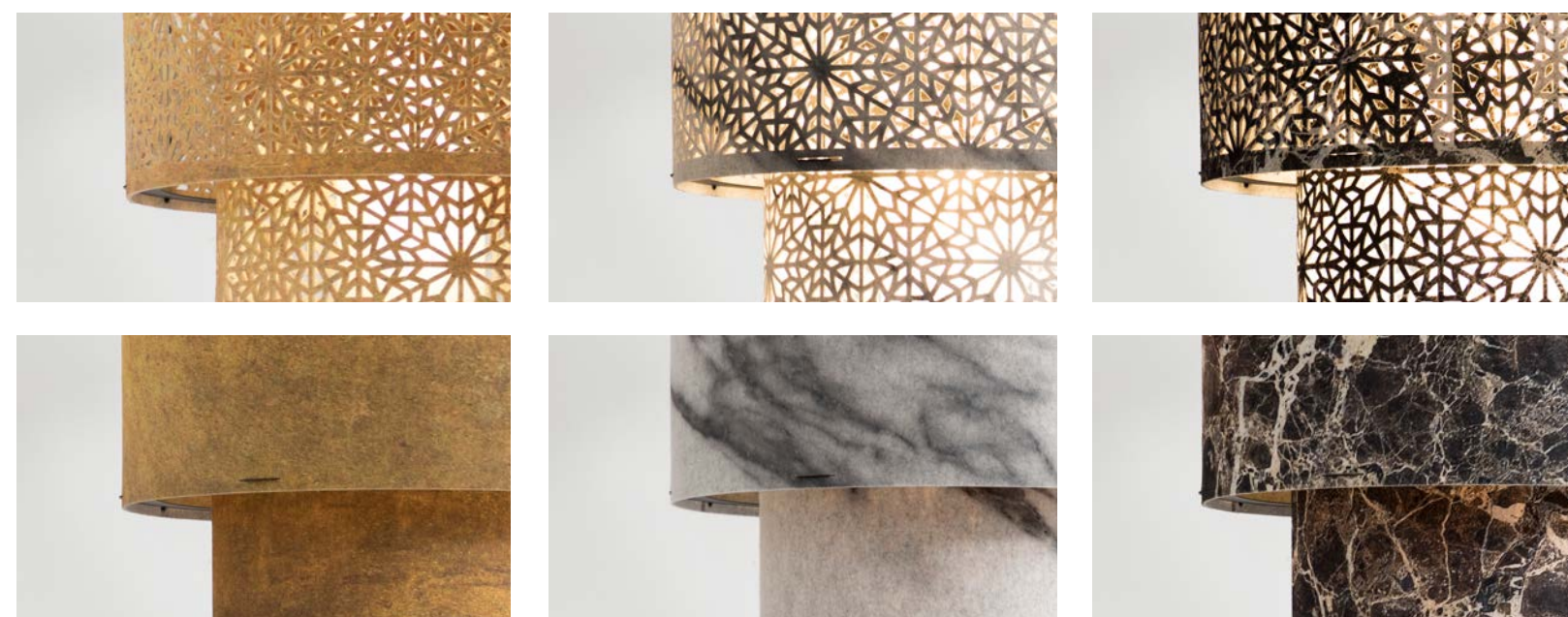
Absorption Diffusion

Acoustic Performance

Mid Tones
High Tones

How to order

Model
BuzziFelt finish
Mounting option





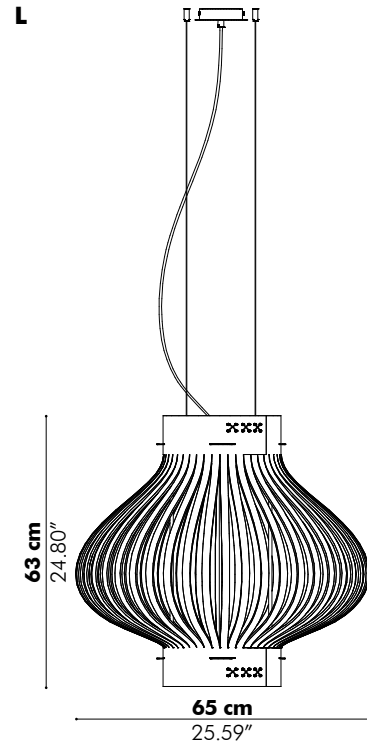
BuzziLight Mono

— by Sas Adriaenssens

Lighting fixture in BuzziFelt

The BuzziLight Mono is a striking phenomenon. The strips of sound absorbing felt are fixed around a steel structure, allowing this light object to take on different shapes. The BuzziLight Mono makes a design statement with just one color of BuzziFelt.

Models

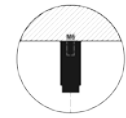


Finishes

Metal frame always in black (RAL 9005)
 One layer of BuzziFelt
 Black or white lace
 Black or white stitch or no stitch

Mounting

Metal ceiling canopy and black fabric power cable incl.



Ceiling Suspended
 Fixing System Screw with 2 cables of 2 m - 78.74" or
 5 m - 196.85" (black or alu)

Light

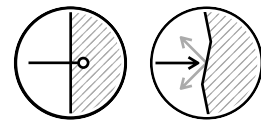
Excl. lightbulb
 E27, max 60W (EU-CE/CB certified)
 E26, max 100W (US-cULus listed)

Options

LED bulb E27, 5W (EU)

Acoustics

Acoustic Principles



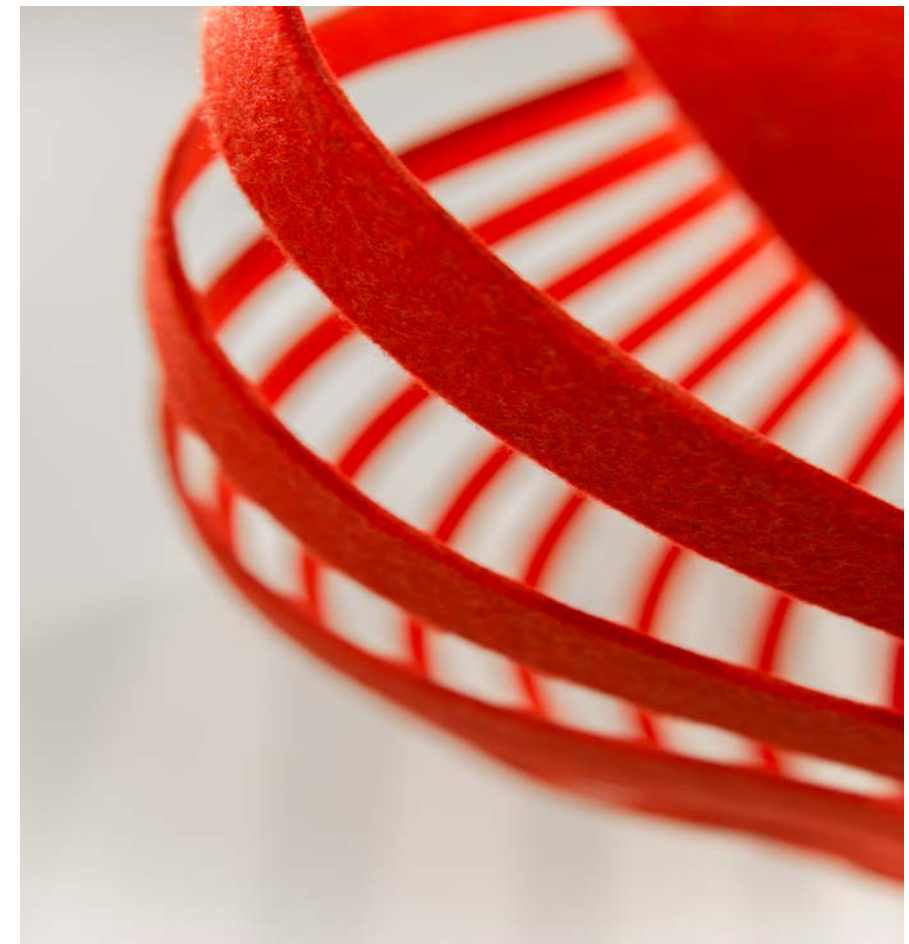
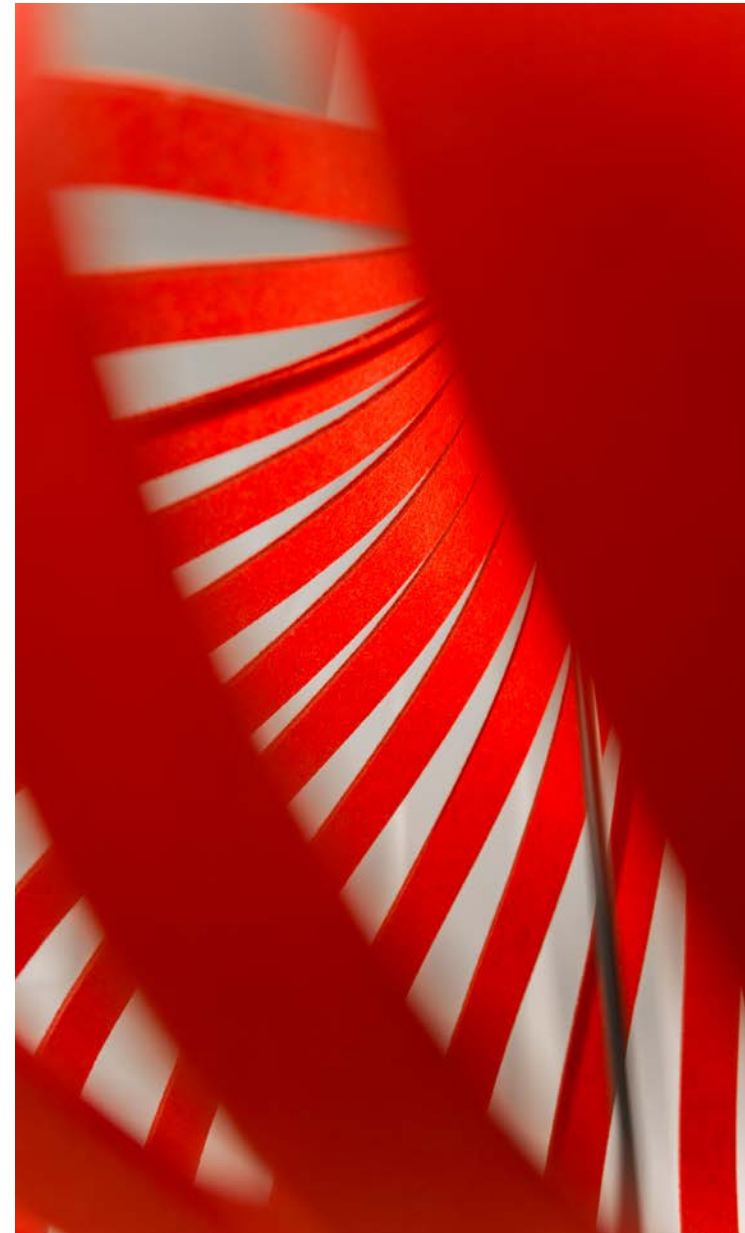
Absorption Diffusion

Acoustic Performance

Mid Tones
 High Tones

How to order

BuzziFelt color
 Color lace
 Stitch
 Mounting option
 Option



BuzziLight Alhambra & Royal

— by Sas Adriaenssens

Atmospheric lighting solution

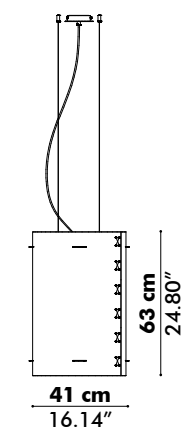
The classic BuzziLight, which blends illumination and acoustics, is now available in Alhambra and Royal patterns from the award-winning BuzziFalls collection. Laser-cut felts make a dramatic statement with artful shadows and softened sounds.

BuzziLight is an ideal design statement and acoustical solution for offices, restaurants, hotels, institutions, residences and more.

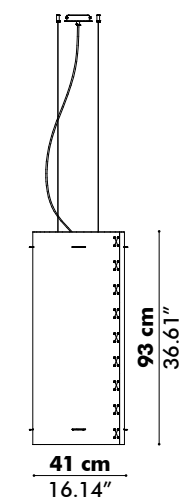


Models

XL Low



XL High

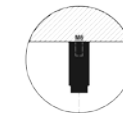


Finishes

Metal frame always in black (RAL 9005)
One layer of BuzziFelt
Black or white lace
Black or white stitch or no stitch

Mounting

Metal ceiling canopy and black fabric power cable incl.



Ceiling Suspended
Fixing System Screw with 2 cables of 2 m - 78.74" or
5 m - 196.85" (black or alu)

Light

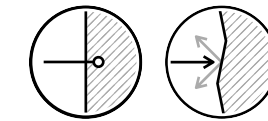
Input Voltage: 110 - 240V
Excl. lightbulb
E27, max 60W (EU-CE/CB certified)
E26, max 100W (US-cULus listed)

Options

LED bulb E27, 5W (EU)

Acoustics

Acoustic Principles



Absorption Diffusion

Acoustic Performance

Mid Tones
High Tones

How to order

Size
BuzziFelt color
Color lace
Stitch
Mounting option
Option



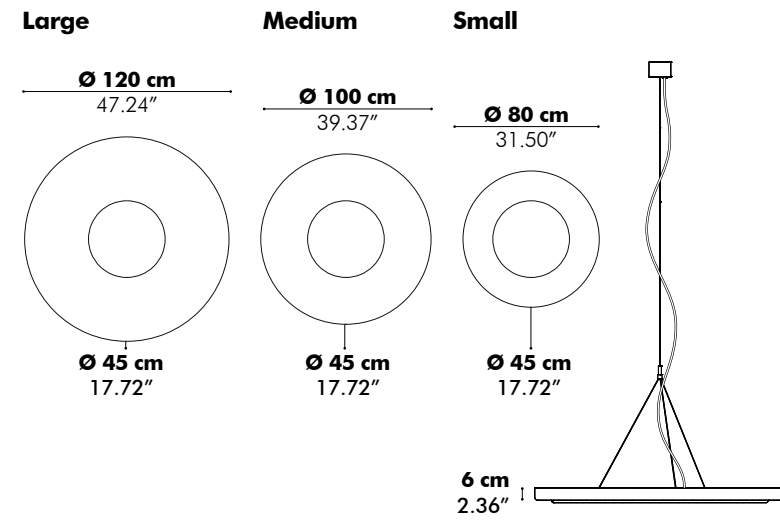
BuzziMoon

— by BuzziSpace Studio

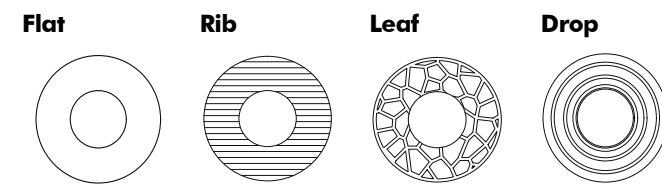
Embedded light

BuzziMoon offers the best of both worlds; highly functional general lighting embedded in a proven acoustic ceiling solution. The LED light module is designed specifically to answer the request of general lighting in office space. BuzziMoon can be finished off in different fabrics and various 3D patterns. The LED module has an output of 2500 Lumen at a temperature of 3000K. The diffuser gives it a “full moon” lighting experience.

Dimensions



Patterns



Finishes

Upholstery in fabric collections CAT A, B, C, D, E, F
(check our application overview p. 48)

Mounting

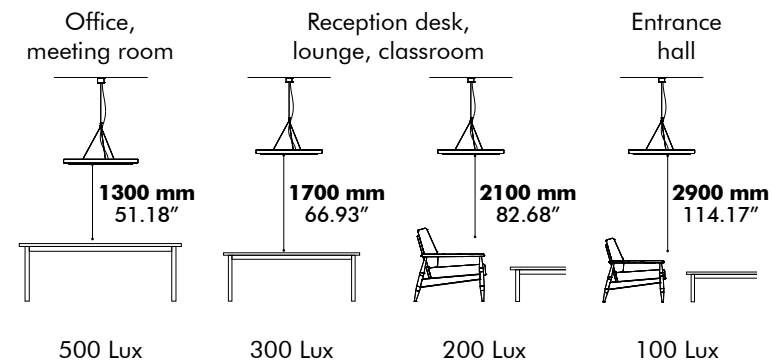
Ceiling Suspended
Fixing System Screw with 3 cables of 4 m - 157.48" (alu)

Light

Input Voltage: 110 - 240V
Input Frequency: 50/60Hz
Color temperature: 3000K
Color Rendering Index: >90
1-10V dimmable
CE/CB certified / cULus listed

Lux levels

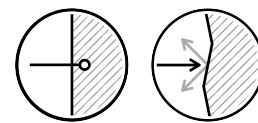
To enlighten your space with optimal lux level take following measures into account.



* According to EN12464

Acoustics

Acoustic Principles



Absorption Diffusion

Acoustic Performance

Low Tones
Mid Tones
High Tones

How to order

Size
Pattern
Fabric (CAT > collection > color)
Mounting option



BuzziShade Pendant

— by BuzziSpace Studio and Stal Collectief

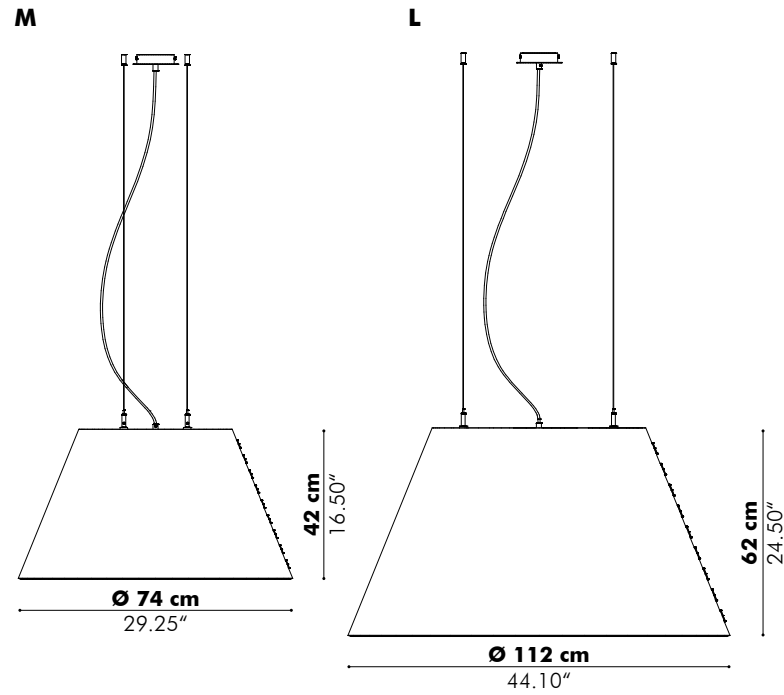
Lighting fixture in BuzziFelt

The BuzziShade design prevents eavesdroppers from hearing your private conversations and reduces external noise levels to a minimum. The BuzziShade is extremely versatile.

A fantastic addition to any office, waiting room or restaurant, the BuzziShade is designed with large-scale settings in mind. Be creative by adding a layer of colorful fabric to the BuzziFelt shades.



Models



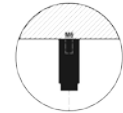
Finishes

Frame:

- White frame (RAL 9010) with red power cable
- Black frame (RAL 9005) with black power cable
- Fluo orange frame (RAL 2005) with orange power cable (EU)
- Fluo orange frame (RAL 2005) with black power cable (US)
- Aluminum frame, not powder coated with black power cable

Shade in one layer of BuzziFelt
 Extra layer in fabric collections CAT A, B, C
 possible (check our application overview p. 48)
 Color lace in black, white or fluorescent orange

Mounting



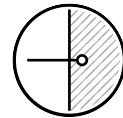
Ceiling Suspended
 Fixing System Screw with 2 cables of 2 m - 78.74" or
 5 m - 196.85" (black or alu)

Light

Exc. lightbulb
 E27, max 60W (EU-CE/CB certified)
 E26, max 100W (US-cULus listed)

Acoustics

Acoustic Principles



Absorption

Acoustic Performance

Mid Tones
 High Tones

How to order

Size
 Color frame
 BuzziFelt color
 Option extra layer fabric (CAT > collection > color > inside or outside)
 Color lace
 Mounting option



BuzziShade Standing

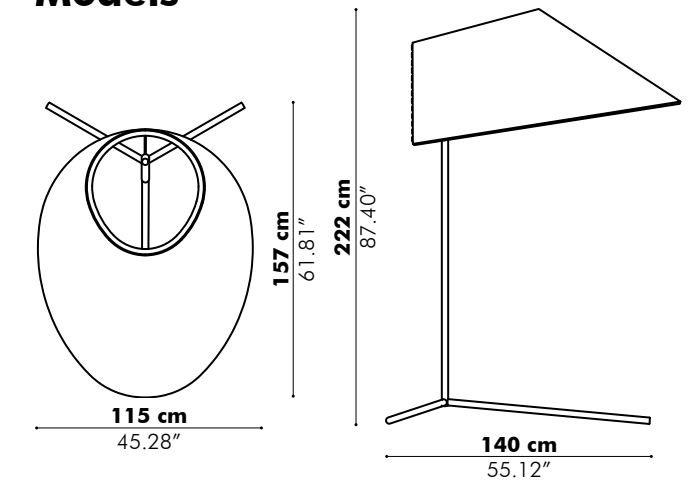
— by BuzziSpace Studio and Stal Collectief

Standing lighting element in BuzziFelt

The BuzziShade Standing offers decorative lighting and reduces external noise levels to a minimum. The BuzziShade is extremely versatile. The standing version is ideal to add in any waiting room, hotel lobby or even at home to create that perfect hide away. Be creative by adding a layer of colorful fabric to the BuzziFelt shades. The BuzziShade is the culmination of an artistic collaboration between BuzziSpace and the four young Belgian furniture designers of Stal Collectief.



Models



Finishes

Frame:

- White frame (RAL 9010) with red power cable
- Black frame (RAL 9005) with black power cable
- Fluo orange frame (RAL 2005) with orange power cable (EU)
- Fluo orange frame (RAL 2005) with black power cable (US)

Shade in one layer of BuzziFelt

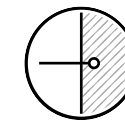
Color lace in black, white or fluorescent orange

Light

Excl. lightbulb
E27, max 60W (EU)
E26, max 100W (US)

Acoustics

Acoustic Principles



Absorption

Acoustic Performance

Mid Tones
High Tones

How to order

Color frame
BuzziFelt color
Color lace
Mounting option

SPECIFICATIONS

	BuzziBell		BuzziClipse			
			Square		Rectangle / Square Double	
	220V 240V	110V 120V	220V 240V	24V	220V 240V	24V
LIGHT SOURCE	LED Board	LED Board	LED strip	LED strip	LED strip	LED strip
GEAR / TRANSFO	incl.	incl.	incl.	excl.	incl.	excl.
POWER	29,4W	29,4W	21W	21W	33W	33W
IP RATING	IP20	IP20	IP20	IP20	IP20	IP20
SOURCE LIFETIME	50000 hr	50000 hr	20000 hr	20000 hr	20000 hr	20000 hr
COLOR RENDERING INDEX	90	90	85	85	85	85
LIGHT OUTPUT	2545 lm	2545 lm	580 lm	580 lm	870 lm	870 lm
EFFICACY	87 lm/W	87 lm/W	27 lm/W	/	26 lm/W	/
COLOR TEMPERATURE (KELVIN)	3000K	3000K	2700K	2700K	2700K	2700K
ACOUSTIC PRINCIPLES						

	BuzziChandelier		BuzziLight Mono		BuzziLight Alhambra & Royal		BuzziMoon		BuzziShade Pendant		BuzziShade Standing	
	220V 240V	110V 120V	220V 240V	110V 120V	220V 240V	110V 120V	220V 240V	110V 120V	220V 240V	110V 120V	220V 240V	110V 120V
LIGHT SOURCE	Retrofit Bulb incl.	Retrofit Bulb excl.	Retrofit Bulb excl.	Retrofit Bulb excl.	Retrofit Bulb excl.	Retrofit Bulb excl.	LED Board	LED Board	Retrofit Bulb excl.	Retrofit Bulb excl.	Retrofit Bulb excl.	Retrofit Bulb excl.
GEAR / TRANSFO	incl.	incl.	/	/	/	/	incl.	incl.	/	/	/	/
POWER	55W	Max. 42W	Max. 60W	Max. 100W	Max. 60W	Max. 100W	29,4W	29,4W	Max. 60W	Max. 100W	Max. 60W	Max. 100W
IP RATING	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
SOURCE LIFETIME	20000 hr	/	/	/	/	/	50000 hr	50000 hr	/	/	/	/
COLOR RENDERING INDEX	85	/	/	/	/	/	90	90	/	/	/	/
LIGHT OUTPUT	4800 lm	/	/	/	/	/	2545 lm	2545 lm	/	/	/	/
EFFICACY	87 lm/W	/	/	/	/	/	87 lm/W	87 lm/W	/	/	/	/
COLOR TEMPERATURE (KELVIN)	2700K	/	/	/	/	/	3000K	3000K	/	/	/	/
ACOUSTIC PRINCIPLES												



MATERIALS

Felts & Fabrics
Solid Materials

046 - 067

068 - 071

MATERIALS

FELTS & FABRICS

048 - 049 Application Overview

050 Felt
050 BuzziFelt

051 - 055 Category A

051 Fabric
052 Rough
053 Trevira CS+
053 Trevira CS
054 Revive 1
055 Revive 2

056 - 061 Category B

056 Terra
057 Clara 2
058 Remix 2
060 Velvet

062 Category C

062 Hero

063 - 065 Category D

063 Tonus Meadow
064 Tonus 4

066 Category E

066 Memory 2

067 Category F

067 Matrix

APPLICATION OVERVIEW

Felts & Fabrics

- Not possible
- Possible
- Sliced BuzziFelt

Product	Felt	Leather		CAT A					
		Vegetal	Vintage	Fabric	Rough	Trevira CS+	Trevira CS	Revive 1	Revive 2
	100% Recycl P.E.T. Felt	-		70% Recycled Wool 25% Recycled Polyacryl 5% Recycled other fabrics	100% Polyacryl	100% Trevira	100% Trevira	100% Recycl. polyester FR	100% Recycl. polyester FR
BuzziBell	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BuzziChandelier	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BuzziClique	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
BuzziLight Mono	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BuzziLight Alhambra / Royal	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BuzziMoon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
BuzziShade	Pendant	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Standing	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Product	CAT B				CAT C		CAT D		CAT E	CAT F
	Terra	Clara 2	Remix 2	Velvet	Tartan	Hero	Tonus 4	Tonus Meadow	Memory 2	Matrix
	100% Pure New Wool	92% New Wool worsted 8% Nylon	90% New Wool worsted 10% Nylon		100% Pure New Wool / 100% Lambswool	96% New Wool 4% Nylon	90% New Wool 10% Helanca	90% New Wool 10% Helanca	100% Trevira CS	100% Trevira CS
BuzziBell	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BuzziChandelier	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BuzziClique	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
BuzziLight Mono	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BuzziLight Alhambra / Royal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BuzziMoon	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
BuzziShade	Pendant	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Standing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

FELT

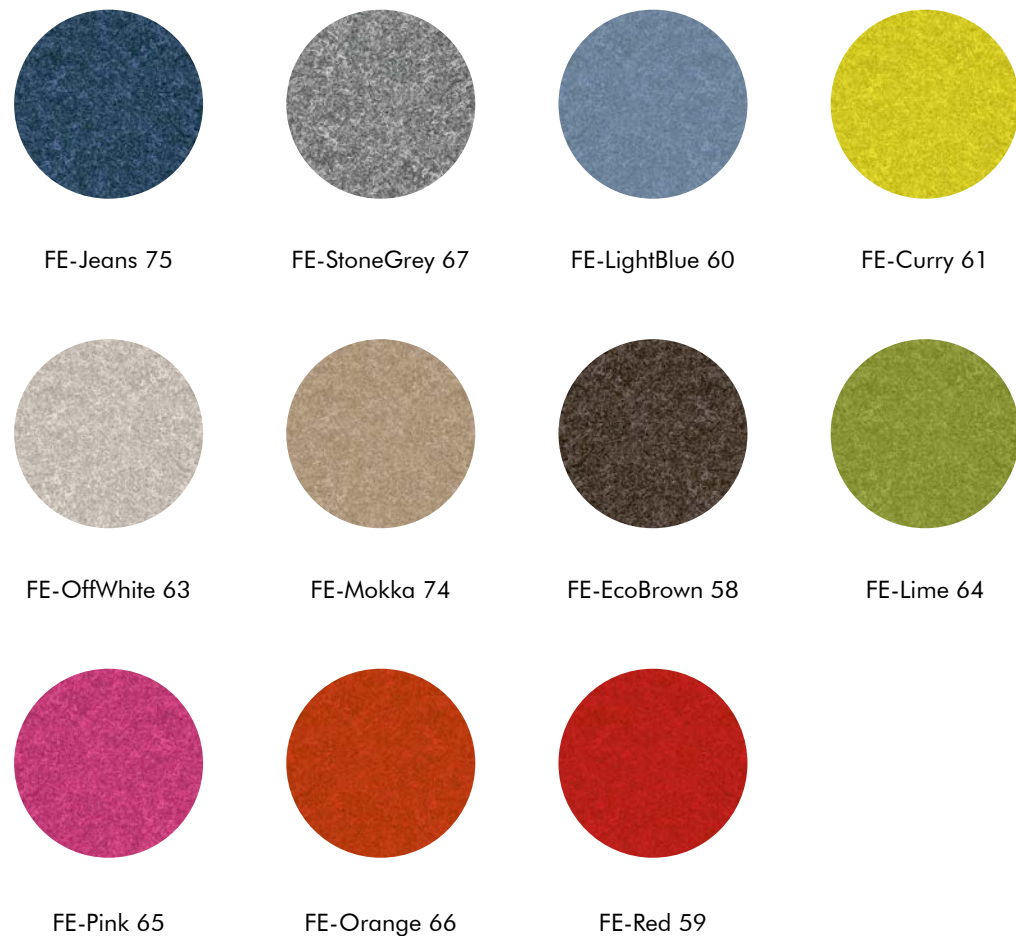
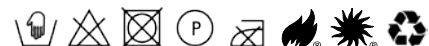
BUZZIFELT

BuzziFelt

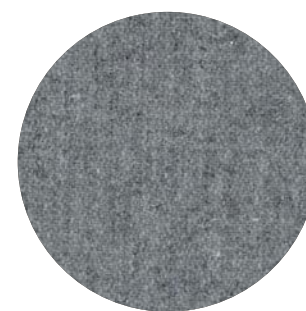


FE-Anthracite 68

Composition 100% Recycled PE.T. Felt, latex backing
Weight 1.000 g/m² | 29.49 oz/yd²
Width 170 cm | 66.93"
Thickness 6 mm | 0.236"
Abrasion resistance >7.000 Martindale
Flammability EU: EN 13501.1 + A1/2009 Class B-s1,d0
 USA: ASTM E84 Class A certified
Fastness to light USA 5
Maintenance Vacuum clean regularly. Don't wash. Don't remove the BuzziFelt from the product. Treat spillages immediately. Professional dry clean or wipe clean with a pH neutral soap and a damp cloth.



Fabric



FA-LightGrey 1000

Composition 70% Recycled Wool, 25% Recycled Polyacryl, 5% Recycled Other Fabrics
Weight 405 g/m² | 11.94 oz/yd²
Width 148 cm | 58.27"
Thickness 0,8 mm | 0.031 inch
Abrasion resistance 40.000 Martindale, 50.000 Wyzenbeek
Flammability EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette)
 EN 1021.2/2006 | BS EN 1021.2/2006 (match)
 USA: CAL TB 117 | ASTM E84 CLASS A
Fastness to light EU: 4 | USA: 4
Fastness to rubbing EU: Wet 3-4 | Dry 4-5
Fastness to crocking USA: Wet 5 | Dry 5
Maintenance Vacuum clean regularly. Don't wash. Don't remove the Fabric from the product. Treat spillages immediately. Professional dry clean or wipe clean with a pH neutral soap and a damp cloth.



CAT A

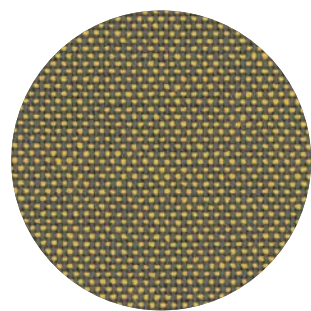
FABRIC
 ROUGH
 TREVIRA CS+
 TREVIRA CS
 REVIVE 1
 REVIVE 2

Note color deviation may occur.
 Find the latest update of the material specifications and colors on our website: www.buzzi.space

CAT A

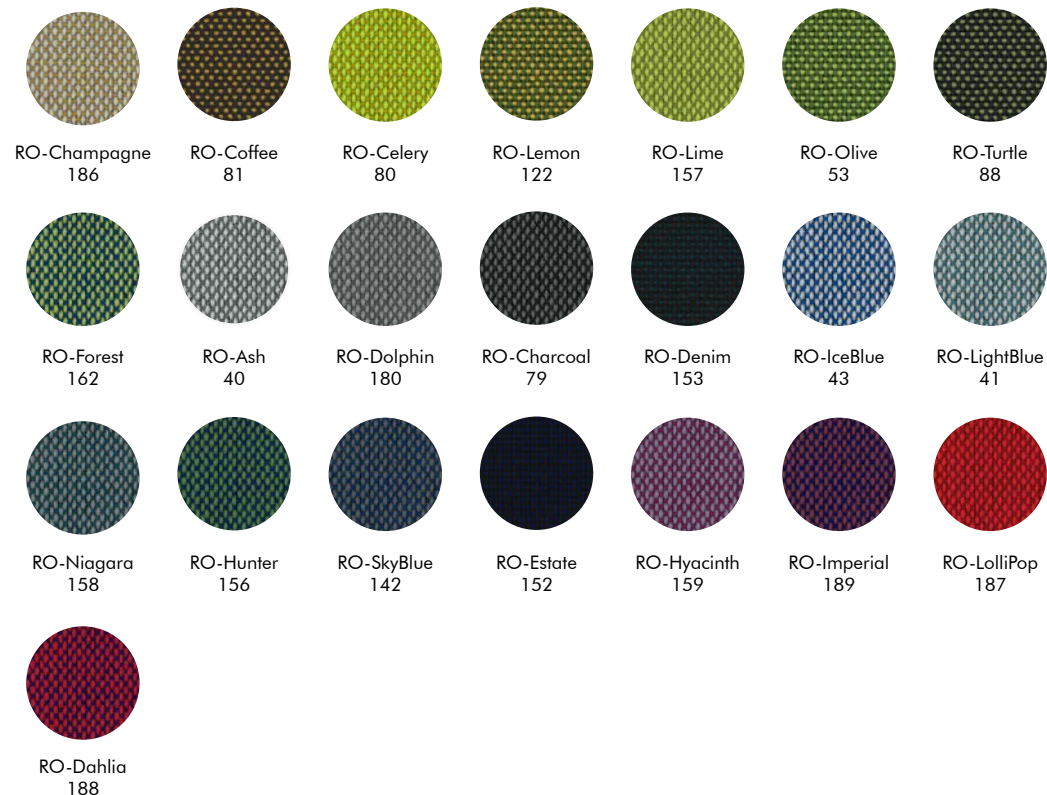
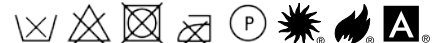
FABRIC
ROUGH
TREVIRA CS+
TREVIRA CS
REVIVE 1
REVIVE 2

Rough

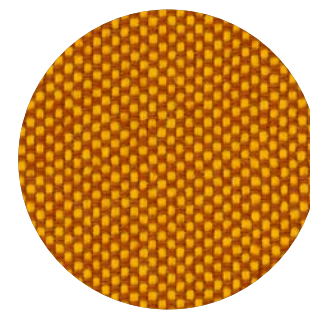


RO-Taffy
185

Composition 100% Polyacryl
Weight 456 g/m² | 13.45 oz/yd²
Width 148 cm | 58.27"
Thickness 1,2 mm | 0.047"
Abrasion resistance 40.000 Martindale
Flammability EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette)
 US: CAL TB 117
Fastness to light EU: 5
Fastness to rubbing EU: Wet: 3 | Dry: 3
Maintenance Vacuum clean regularly. Don't wash. Don't remove the Rough from the product. Treat spillages immediately. Professional dry clean or wipe clean with a pH neutral soap and a damp cloth.

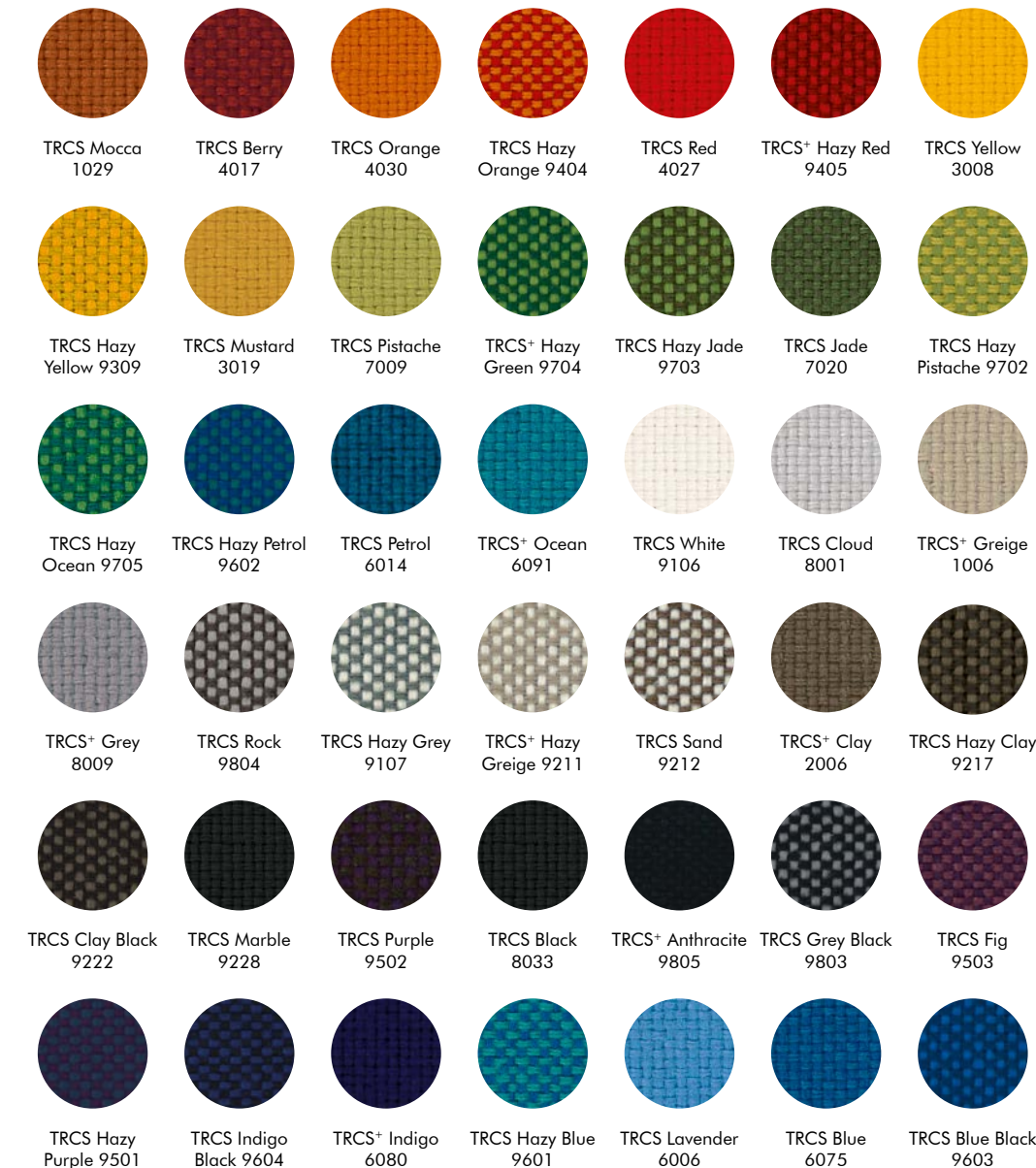


Trevira CS+ | Trevira CS



TRCS+ Hazy Mocca 9302

Composition 100% Polyester, Trevira CS
Weight 420 g/m² | 12.39 oz/yd²
Width Trevira CS+ 150 cm | 59.06" - Trevira CS 140 cm | 55.12"
Abrasion resistance 100.000 Martindale, 90.000 Wyzenbeek
Flammability EU: BS 5852 part II: CRIB 5 | BS 7176 Medium Hazard
 M1 | B1 | C1 | EN 1021/1-2 | IMO Res. A652 (16)
 USA: CAL TB 117
Fastness to light EU: 6 | USA: 5
Fastness to rubbing EU: Wet 4-5 | Dry 4-5
Fastness to crocking USA: Wet 5 | Dry 5
Match Weight ±5% | Width ±2%
Maintenance Vacuum clean regularly. Don't remove the Trevira CS+ | Trevira CS from the product. Treat spillages immediately. Professional dry clean or wipe clean with a pH neutral soap and a damp cloth.



Note color deviation may occur.
 Find the latest update of the material specifications and colors on our website: www.buzzi.space

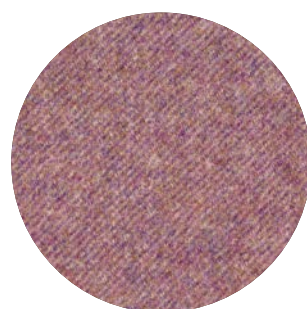
CAT A

FABRIC
ROUGH
TREVIRA CS+
TREVIRA CS
REVIVE 1
REVIVE 2

CAT B

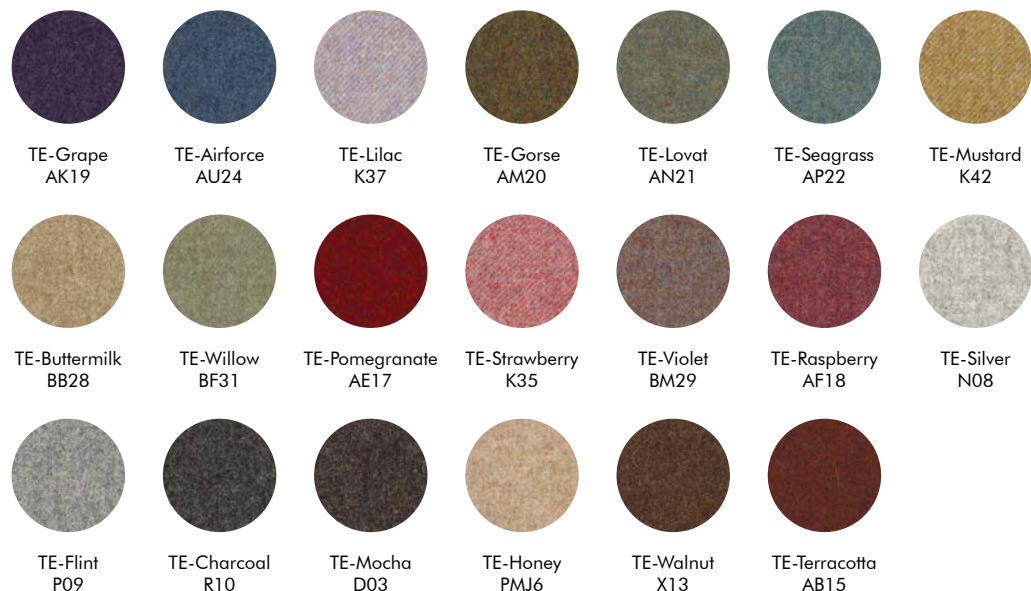
TERRA
CLARA 2
REMIX 2
VELVET

Terra

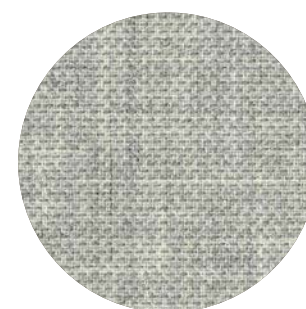


TE-Mauve
K36

Composition 100% Pure New Wool
Weight 370 g/m² | 10.91 oz/yd²
Width 137 cm | 53.94"
Abrasion resistance 40.000 Martindale, 25.000 Wyzenbeek
Flammability EU: BS 5852 CRIB 5 | BS 5867 PART 2 : 2008 : TYPE B
 EN 1021.2/2006
 USA: CAL TB 117
Fastness to light EU: 5 | USA: 5
Fastness to rubbing EU: Wet 4 | Dry 4
Fastness to crocking USA: Wet 4 | Dry 4
Match Weight ±5% | Width ±2%
Maintenance Vacuum clean regularly. Don't wash. Don't remove the Terra from the product. Treat spillages immediately. Professional dry clean or wipe clean with a pH neutral soap and a damp cloth.

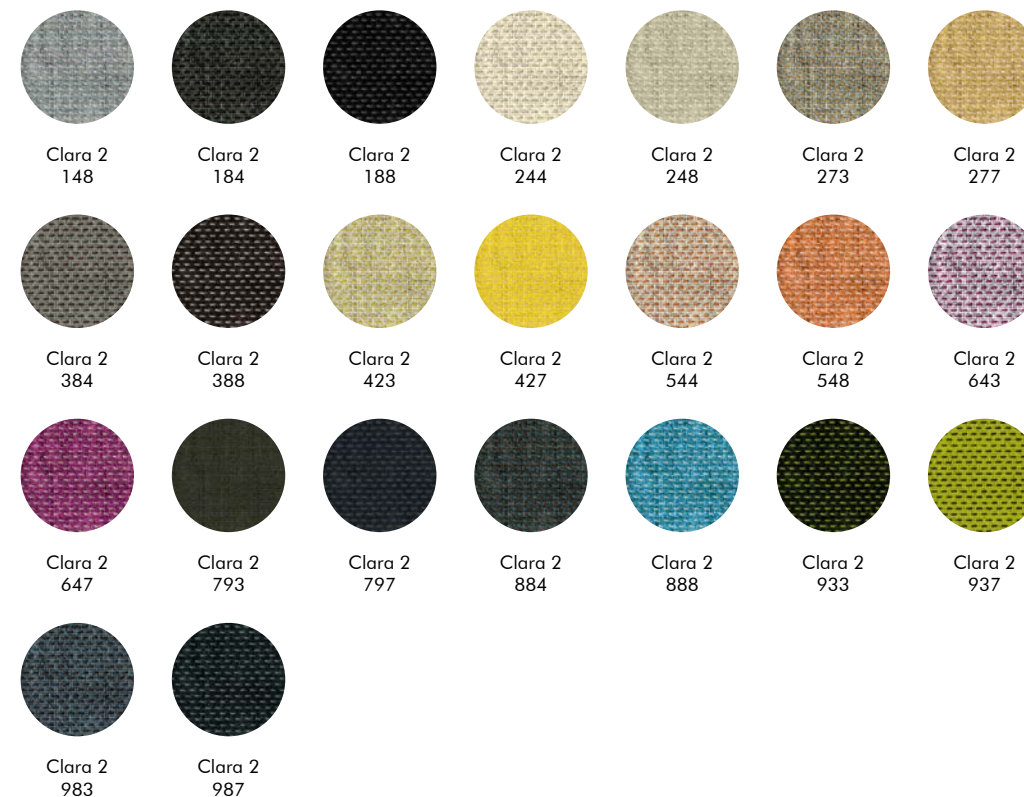
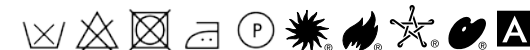


Clara 2



Clara 2
144

Composition 92% new wool, 8% nylon
Weight 400 g/lin.m
Width 138 cm | 54.33"
Abrasion resistance 80.000 Martindale rubs, EN ISO 12947
Flammability EN 1021-1/2 | BS 5852, ignition source 2-3 | DIN 4102 B2
 NF D 60 013 | UNI 9175 1IM | US Cal. Tech. Bull. 117, Sec. E
 NFPA 260 | IMO A.652(16)
Fastness to light Note 5-7, ISO 105-B02
Fastness to rubbing (ISO) dry 4-5, wet 4
Pilling Note 4, EN ISO 12945
Maintenance Vacuuming and dry cleaning



kvadrat

CAT B

TERRA
CLARA 2
REMIX 2
VELVET

Note color deviation may occur.
 Find the latest update of the material specifications and colors on our website: www.buzzi.space

CAT B

TERRA
CLARA 2
REMIX 2
VELVET

Remix 2



Remix 2
113

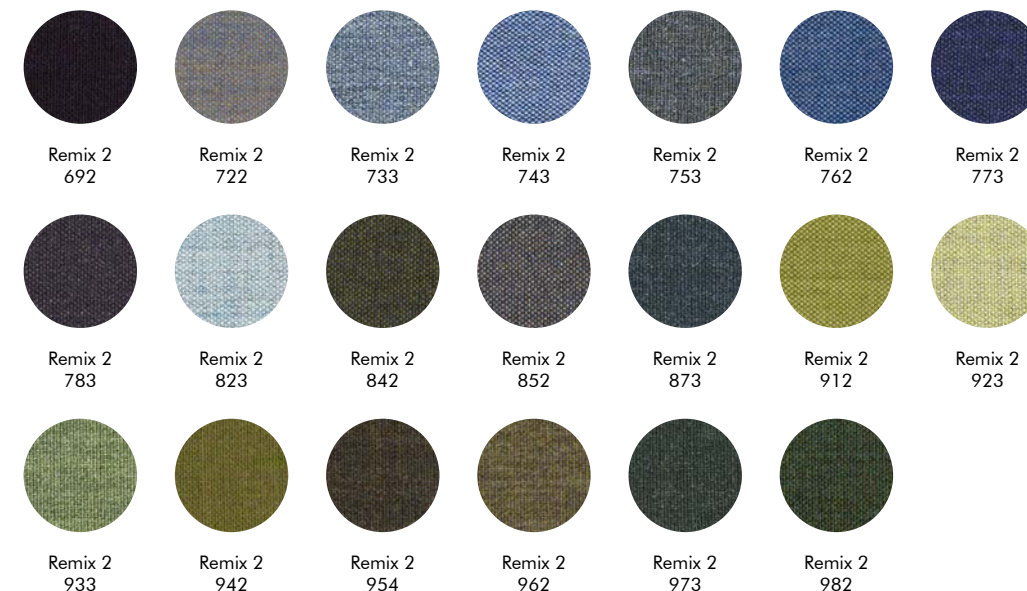
Composition 90% new wool, 10% nylon
Weight 415 g/lin.m
Width 138 cm | 54.33"
Abrasion resistance 100.000 Martindale rubs, EN ISO 12947
Flammability EN 1021-1/2 | BS 5852 part 1
 Önorm B1/Q1 | NF D 60 013 | UNI 9175, 11M
 AS/NZS 1530.3 | Cal. Tech. Bull. 117-2013
 NFPA 260 | IMO FTP Code 2010:Part 8
Fastness to light Note 5-7, ISO 105-B02
Fastness to rubbing (ISO) dry 4-5, wet 4
Pilling Note 4, EN ISO 12945
Maintenance Vacuuming and dry cleaning



kvadrat

CAT B

TERRA
CLARA 2
REMIX 2
VELVET



Note color deviation may occur.
Find the latest update of the material specifications and colors on our website: www.buzzi.space

CAT B

TERRA
CLARA 2
REMIX 2
VELVET

Velvet



VE-Gold
401

Composition 100% PES
Weight 375 g/m² | 11.06 oz/yd²
Width 140 cm | 55.12"
Thickness 0,7mm | 0.0275"
Abrasion resistance >100.000 Martindale
Fastness to light EU: 4-5
Fastness to rubbing EU: Wet 4 | Dry 4-5
Pilling EU: 4-5
Match Weight ±5% | Width ±2%
Maintenance Vacuum clean regularly. Don't wash. Don't remove the Velvet from the product. Treat spillages immediately. Professional dry clean or wipe clean with a pH neutral soap and a damp cloth.



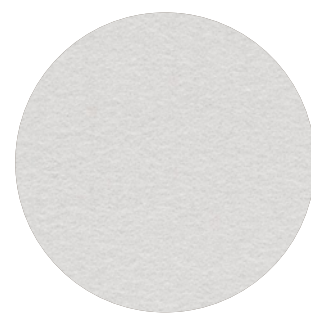
Note color deviation may occur.
Find the latest update of the material specifications and colors on our website: www.buzzi.space



CAT C

HERO

Hero

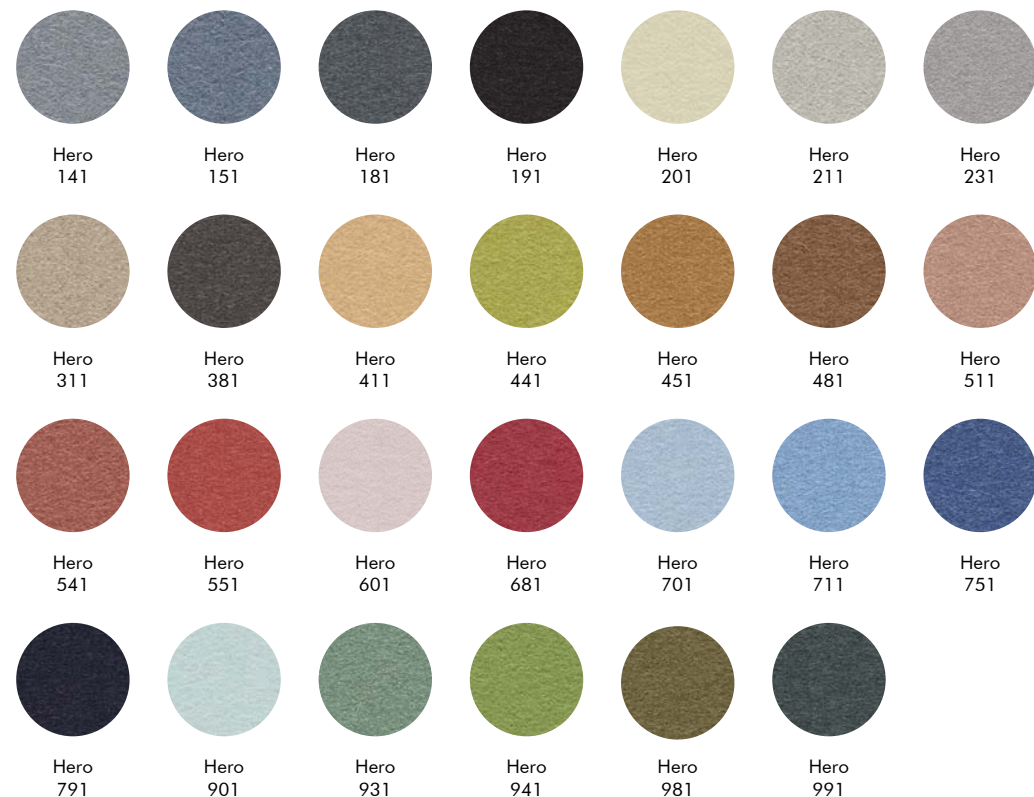


Hero 101

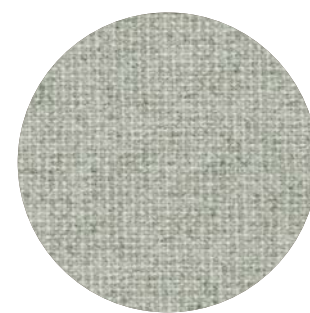
Composition 96% new wool, 4% nylon
Weight 580 g/lin.m
Width 140 cm | 55.11"
Abrasion resistance 45.000 Martindale rubs, EN ISO 12947
Flammability EN 1021-1/2 | DIN 4102 B2 | NF D 60 013
 UNI 9175 1IM | US Cal. Bull. 117-2013 | NFPA 260
 IMO A.652 (16)
Fastness to light Note 5-6, ISO 105-B02
Fastness to rubbing (ISO) dry 4-5, wet 4-5
Pilling Note 3-4, EN ISO 12945
Maintenance Vacuuming and dry cleaning.
 Washable at max. 30°C, wool programme. Drip drying.
 Mount covers in slightly wet condition



kvadrat

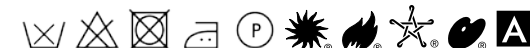


Tonus Meadow

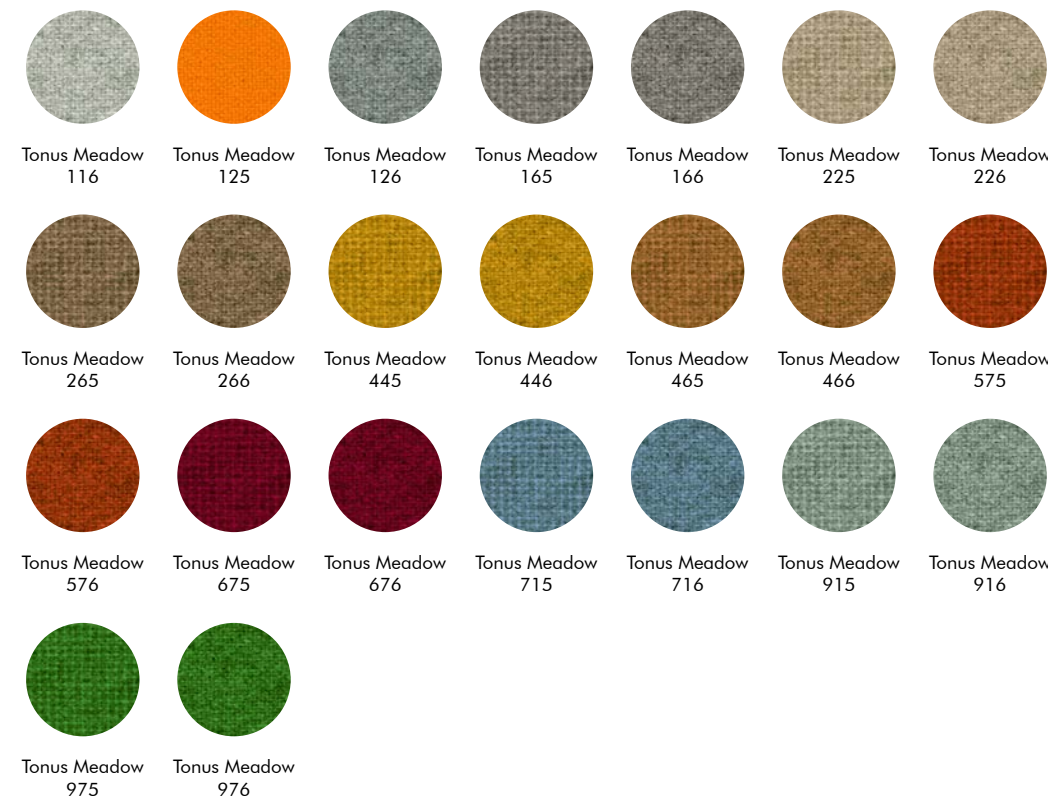


Tonus Meadow 115

Composition 90% new wool, 10% Helanca
Weight 665 g/lin.m
Width 140 cm | 55.11"
Abrasion resistance 100.000 Martindale rubs, EN ISO 12947
Flammability EN 1021-1/2 | BS 5852 part 1 | DIN 4102 B2
 Önorm B1/Q1 | NF D 60 013 | UNI 9175 1IM
 US Cal. Bull. 117-2013 | NFPA 260 | IMO A.652 (16)
Fastness to light Note 5-7, ISO 105-B02
Fastness to rubbing (ISO) dry 4-5, wet 4
Pilling Note 3, EN ISO 12945
Maintenance Vacuuming and dry cleaning.



kvadrat



CAT D

TONUS MEADOW
TONUS 4

Note color deviation may occur.
 Find the latest update of the material specifications and colors on our website: www.buzzi.space

CAT D

TONUS MEADOW
TONUS 4

Tonus 4



Tonus 4
100

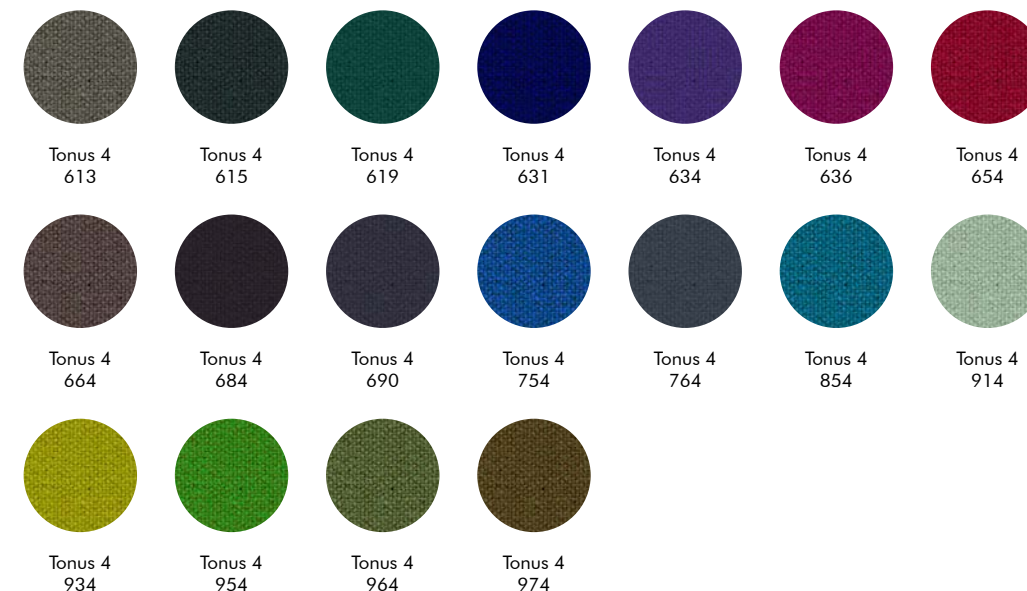
Composition 90% new wool, 10% Helanca
Weight 665 g/lin.m
Width 140 cm | 55.11"
Abrasion resistance 100.000 Martindale rubs, EN ISO 12947
Flammability EN 1021-1/2 | BS 5852 part 1 | DIN 4102 B2
 Önorm B1/Q1 | NF D 60 013 | UNI 9175 11M
 US Cal. Bull. 117-2013 | NFPA 260 | IMO A.652 (16)
Fastness to light Note 5-7, ISO 105-B02
Fastness to rubbing (ISO) dry 3-5, wet 3-5
Pilling Note 3, EN ISO 12945
Maintenance Vacuuming and dry cleaning



kvadrat

CAT D

TONUS MEADOW
TONUS 4



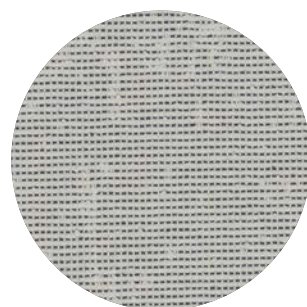
Note color deviation may occur.
 Find the latest update of the material specifications and colors on our website: www.buzzi.space

CAT E

MEMORY 2

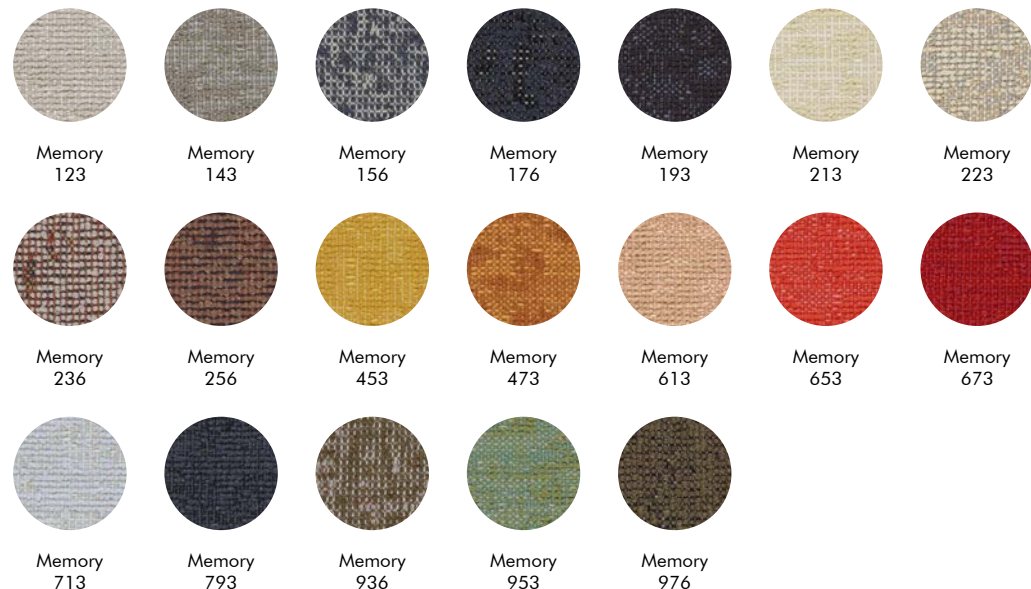
Memory 2

kvadrat



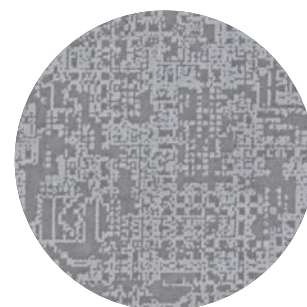
Memory 116

Composition 100% Trevira CS
Weight 700 g/lin.m
Width 150 cm | 59.05"
Abrasion resistance
 35.000 rubs acc. to the Martindale method, EN ISO 12947
Flammability EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1
 NF D 60 013 | NF P 92 507 M1 | UNI 9175 11M
 UNI 9177 classe 1 | US Cal. Tech. Bull. 117
 IMO A.652 (16)
Fastness to light Note 5-8, ISO 105-B02
Fastness to rubbing (ISO) dry 4-5, wet 4-5
Pilling Note 4, EN ISO 12945
Maintenance Vacuuming and dry cleaning.
 Washable at max. 60°C.
 Drip drying.



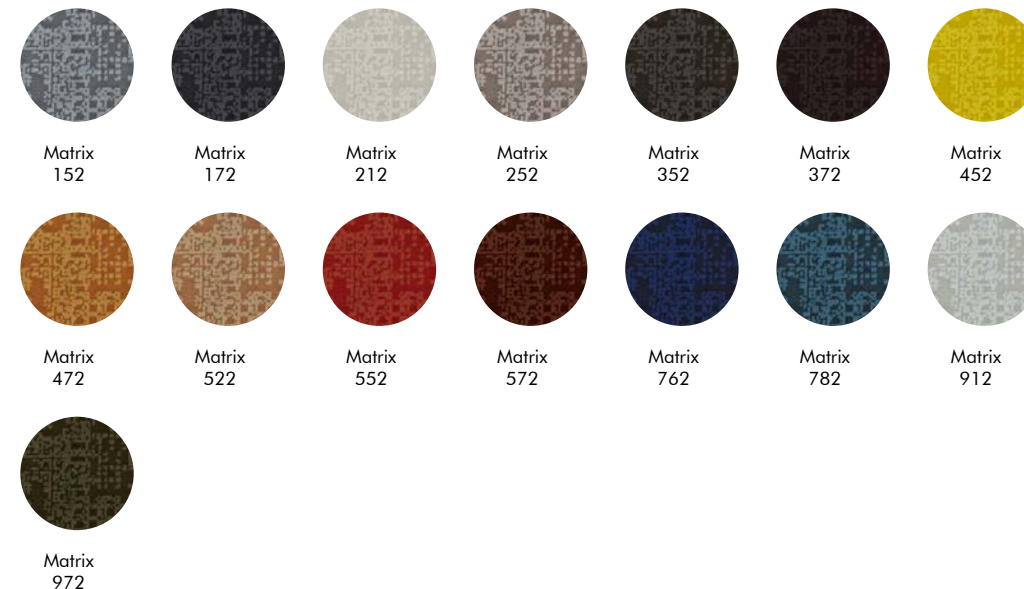
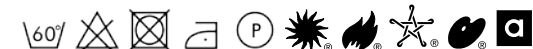
Matrix

kvadrat



Matrix 122

Composition 100% Trevira CS
Weight 760 g/lin.m
Width 140 cm | 55.11"
Abrasion resistance
 App. 60.000 rubs acc. to the Martindale method, EN ISO 12947
Flammability EN 1021-1/2 | BS 5852 crib 5 | BS 5867 part 2 type B
 DIN 4102 B1 | Önorm B1/Q1 | NF D 60 013
 UNI 9175 11M | US Cal. Tech. Bull. 117 | NFPA 701
 IMO A.652 (16)
Fastness to light Note 5-7, ISO 105-B02
Fastness to rubbing (ISO) dry 4-5, wet 4-5
Pilling Note 4, EN ISO 12945
Maintenance Vacuuming and dry cleaning.
 Washable at max. 60°C.
 Drip drying.



CAT F

MATRIX

Note color deviation may occur.
 Find the latest update of the material specifications and colors on our website: www.buzzi.space

SOLID MATERIALS

070 - 071 Application Overview

070 Metal

070 Powder Coated Metal

070 Uncoated Aluminum



APPLICATION OVERVIEW

Solid Materials

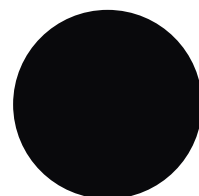
- Not possible
- ☑ Possible

Product		Powder Coated Metal					Uncoated Aluminum
		Black RAL 9005	Alu RAL 9006	White RAL 9010	Fluo Orange RAL 2005	Fluo Yellow RAL 1016	
BuzziBell	Frame	☑	○	☑	○	☑	○
BuzziChandelier	Frame	☑	○	○	○	○	○
BuzziLight Mono	Frame	☑	○	○	○	○	○
BuzziLight Alhambra & Royal	Frame	☑	○	○	○	○	○
BuzziShade Pendant	Frame	☑	○	☑	☑	○	☑
BuzziShade Standing	Frame	☑	○	☑	☑	○	○

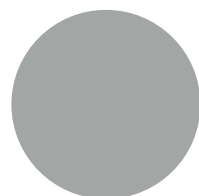
METAL

POWDER COATED METAL
UNCOATED ALUMINUM

Powder Coated Metal



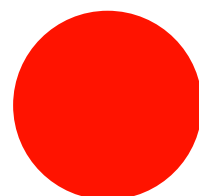
Black
RAL 9005



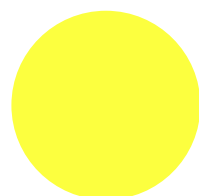
Alu
RAL 9006



White
RAL 9010



Fluo Orange
RAL 2005

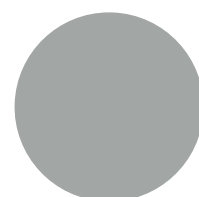


Fluo Yellow
RAL 1016

Properties Fine-textured powder coated steel or aluminum with a matt look.

Maintenance Clean as needed using a soft cloth or brush with a mild detergent. Avoid steam cleaning, abrasive cleansers, carbon steel brushes/wools and cleaners containing chlorine.

Uncoated Aluminum



Properties Bare aluminum with clear coating.

Maintenance Clean as needed using a soft cloth or brush with a mild detergent. Avoid steam cleaning, abrasive cleansers, carbon steel brushes/wools and cleaners containing chlorine.



Note color deviation may occur.
Find the latest update of the material specifications and colors on our website: www.buzzi.space

Refinishing Renovation should be done by a specialist in furniture coating. It requires sanding of the parts and re-applying an equal amount of coating on all sides.

Find the latest update of the application overview on our website: www.buzzi.space

ACOUSTIC EXPERTISE

074 - 075 What is Sound

- 074 Frequency
- 075 Decibels
- 075 Reverberation Time

076 BuzziSpace Acoustics

- 076 Continuous testing
- 076 Acoustic Principles

077 Tools

- 077 BuzziSpace RT60
- 077 Acoustic Reports
- 077 Acoustic Ambassador



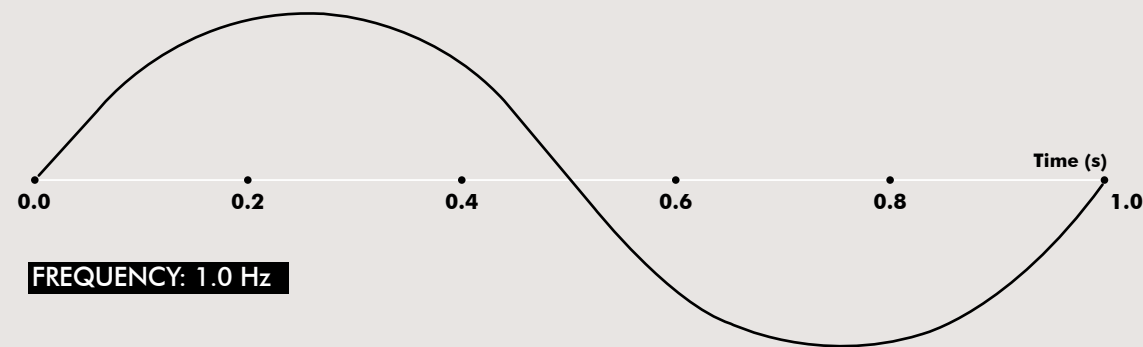
WHAT IS SOUND

FREQUENCY
DECIBELS
REVERBERATION TIME

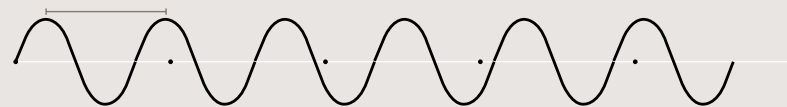
Sound consists of pressure waves that run through the air. It can be described as energy, created by vibrations, transmitted through air or any other medium. The inner ear transfers those vibrations into sound. These sound waves have 2 different characteristics: frequency and decibel. **Frequency** determines the tone of the sound, while **Decibel** determines the intensity of sound.

Frequency

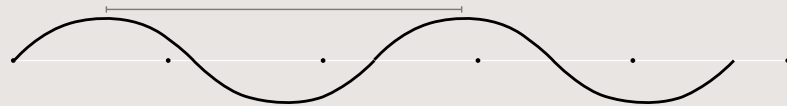
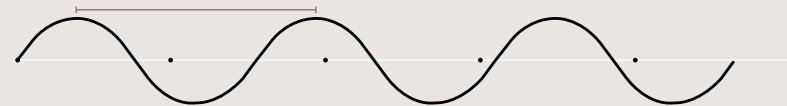
The wavelength determines the sound frequency. It is measured as the number of repetitive vibrations per cycle per second and is expressed in Hertz. The audible range of sound is between 20 to 20 000 Hz. The higher the frequency, the higher the tone.



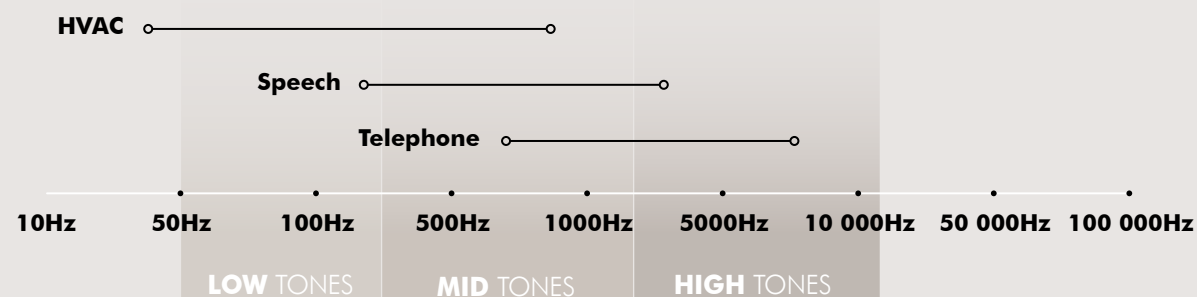
SHORT WAVE
HIGH FREQUENCY
HIGH TONE
E.G. RINGTONES



LONG WAVE
LOW FREQUENCY
LOW TONE (BASS)
E.G. HVAC



RELEVANT FREQUENCY RANGES FROM 100Hz TO 5000Hz FOR ROOM PLANNING



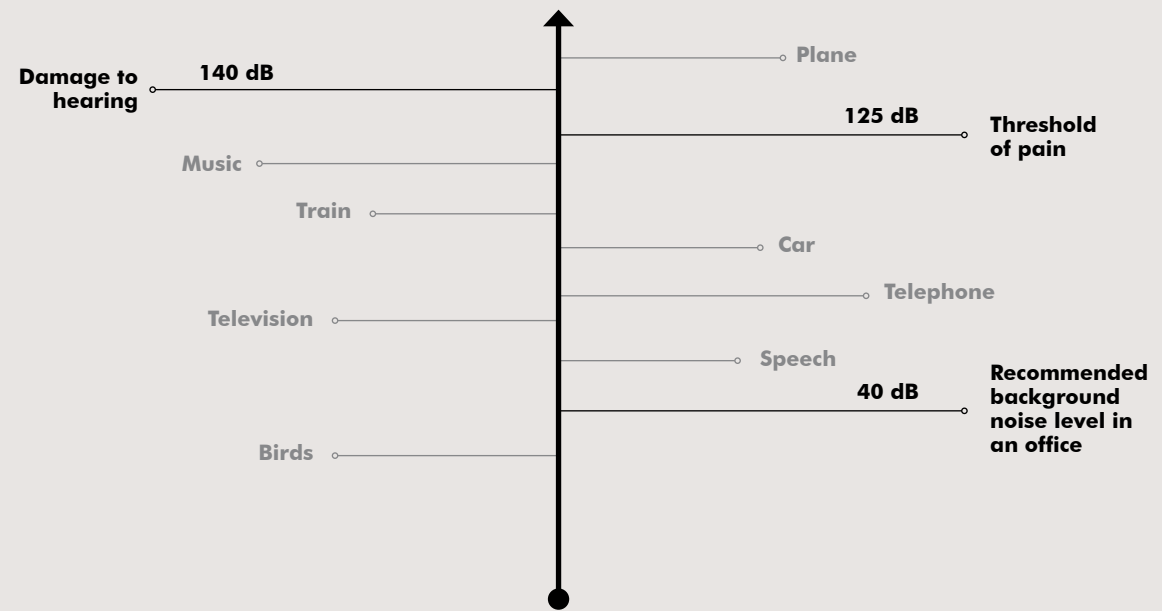
WHAT IS SOUND

FREQUENCY
DECIBELS
REVERBERATION TIME

Decibel

Decibel is a logarithmic unit to express the ratio of sound intensity (volume) and is important as an indicator of the background noise level. Humans can hear sounds between 0 and 140 decibels.

The value of decibels has no direct or indirect correlation with the sound frequency. For example, the ticking of a clock and the buzzing of a vacuum cleaner may have the same frequency but a different volume.



Reverberation time

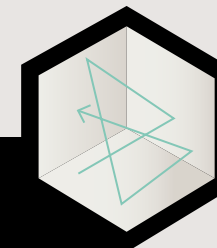
Reverberation time is the time needed for an original sound source to decay 60 dB and is expressed in seconds. In order to generate excellent speech intelligibility and clarity, the reverberation time should be adjusted and balanced by the means of absorptive material in function of the specific acoustical issues in a given space. The recommended reverberation time will always have to be adapted to the room volume and the type of activity.

RECOMMENDED REVERBERATION TIME:

- > Office: 0.75s
- > Meeting room: 0.60s
- > Cafeteria: 1.00s
- > Gymnasium: 1.50s
- > Auditorium: 1.50s to 2.00s

INFLUENCES ON THE Reverberation time

- 📦 VOLUME OF THE ROOM
- 📏 ROOM TEMPERATURE
- 👉 ABSORPTION COEFFICIENT OF MATERIALS, OBJECTS AND PEOPLE IN A ROOM



BUZZISPACE ACOUSTICS

CONTINUOUS TESTING
ACOUSTIC PRINCIPLES

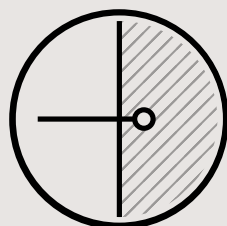
Continuous testing

All acoustic products are tested to determine the absorption performance following the reverberation room method. All tests are done in an accredited test laboratory, Peutz bv.



Acoustic Principles

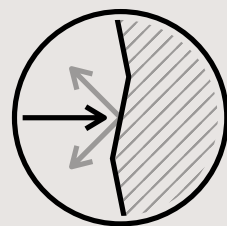
To create a better acoustical environment and reduce reverberation time in a room, BuzziSpace products are developed to perform on one or more of the following acoustic principles.



ABSORPTION

SOUND WAVES ARE ABSORBED BY ANY 'ACOUSTICALLY SOFT' MATERIAL THEY ENCOUNTER.

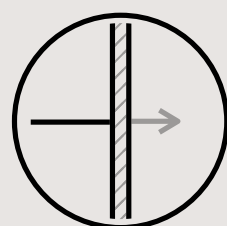
Sound is energy and in order to stop this energy from propagating, absorptive panels will be used to convert this energy into heat through friction. The absorption coefficient of a product will determine the level and quality of absorption. Absorption applies to fixed wall or ceiling elements.



DIFFUSION

SOUND ENERGY IS SPREAD EVENLY IN A GIVEN SPACE.

Wavelengths which cannot be absorbed through acoustic treatment will scatter evenly back into the room, ensuring a better spread while maintaining a live, vivid sound. This property can be obtained by alternating different depths of absorptive material and 3D shapes.



ATTENUATION

REDUCING THE SOUND TRANSFER WITHIN A ROOM.

In order to reduce the sound transfer between different spaces, vertical elements will be applied to cut down sound energy. Those can come in different shapes such as sound blocks, vertical ceiling panels, room dividers, desk screens... Attenuation or sound dampening has a positive impact on speech intelligibility and clarity.

TOOLS

BUZZISPACE RT60
ACOUSTIC REPORTS
ACOUSTIC AMBASSADOR

BuzziSpace RT60



A MUSTHAVE FOR ACOUSTIC GEEKS

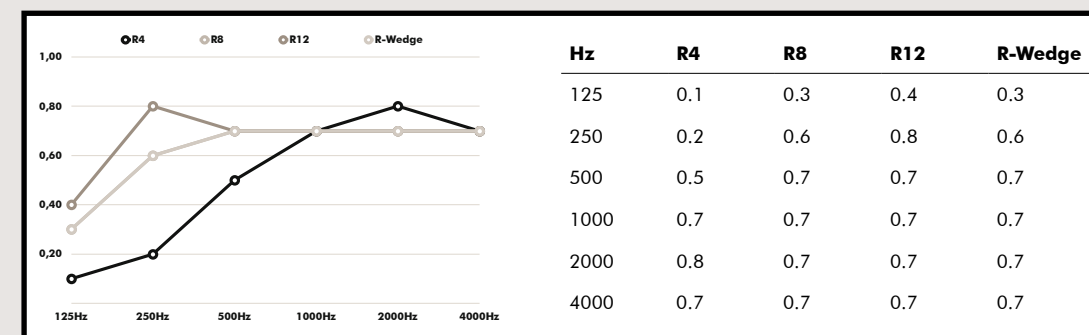
When decorating a space, we often think of only the most visible items: tables, chairs and curtains. But what we do not see—the acoustics of the room—is too often forgotten. The RT60 app, developed by BuzziSpace, measures the reverberation time in each room and suggests products to improve sound quality. With the simulation tool, you can see the acoustical impact of BuzziSpace products in your room.



MORE INFO ON HOW TO GET STARTED ON BUZZI.SPACE/BLOG/RT60

How to read acoustic reports

This chart shows the equivalent absorption area (A_{eq}) of 4 different variations of our BuzziClipse with their metric Sabin value in all the relevant frequencies, where one square meter equals one metric Sabin.



EQUIVALENT SOUND ABSORPTION AREA (AEQ) EXPRESSED IN SQUARE METER

- > A Sabin is the unit for the absorption of sound, equal to the absorption provided by 1 square meter (foot) of a completely absorbing product.
- > This is the only accepted and certified method, applied to freestanding products.
- > Depending on the position in the room, the product will react in a different way but will always generate the same amount of equivalent absorption area.

All acoustic reports can be found on our website: www.buzzi.space

Acoustic Ambassador

DANIEL VERLOOVEN

He travels the globe sharing his expertise and knowledge through seminars, trainings and lectures for an audience of A&D and facility managers.

of new acoustical products. His role includes monitoring acoustic testing and calculating the performance rates of the BuzziSpace acoustical portfolio. Daniel also provides training, support and consultancy for the global BuzziSpace sales network and community.

As an expert, he supports the product development team with advise and recommendations on how to get the best performance out

He also writes and develops CEU and CPD programs helping professionals gain knowledge about the importance of acoustics.



For specific acoustic questions contact acoustics@buzzi.space

PUBLISHER

RESPONSIBLE EDITOR

BuzziSpace
Groeningenlei 141
BE-2550 Antwerp - Kontich
Marketing Department

EDITORIAL

Dada Goldberg
Nathalie Blancquaert
Ellen Van Steen
Sarah Van Vlierberghe
Daniel Verlooven
Els Kerckhof
Jules De Bruycker

CONCEPT

Henk Willems
Ellen Van Steen
Sven Verbeeck
Sim Ruts
Nathalie Blancquaert
Peter Michiels

PHOTOGRAPHY

Cathérine Duval
Dada Goldberg
Chris Bradley
Studio#pointu by Philip Braem
Jasper Sanidad
Rupert Steiner
King George

CONTACT

BUZZISPACE HQ

Groeningenlei 141
2550 Antwerp - Kontich
Belgium
info@buzzi.space
+32 3 846 10 00

SALES OFFICES

BuzziSpace USA

1200 Redding Drive
High Point, NC 27260
USA
us@buzzi.space
+1 336 821 3150

BuzziSpace UK

9-10 Charterhouse Buildings
EC1M 7AN London
UK
uk@buzzi.space
+44 20 7253 3363

BuzziSpace Germany

Im Mariental 16
52064 Aachen
Germany
deutschland@buzzi.space
+49 241 99 77 64-0

BUZZISPACE MANUFACTURING

Europe

Industrieweg 7a
5531 AD Bladel
The Netherlands
manufacture@buzzi.space
+31 497 387 478

USA

1200 Redding Drive
High Point, NC 27260
USA
us@buzzi.space
+1 336 821 3150

SHOWROOMS

Atlanta

1316-B Logan Circle NW
Atlanta, GA 30318
USA
us@buzzi.space
+1 336 821 3150

Chicago

22 Merchandise Mart Plaza Suite 10-111
Chicago, IL 60651
USA
us@buzzi.space
+1 336 821 3150

BuzziBoutique

1170 Howell Mill Rd
Atlanta, GA 30318
USA
info@b.boutique
+1 404 996 2438

Worldwide BuzziSpace sales network: www.buzzi.space

