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## **BuzziZepp LED Line**

### **220-240V**

### **Product Specification Sheet**

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This document contains technical information about the BuzziZepp LED Line



[www.buzzi.space](http://www.buzzi.space)

**A suspended plane of light with sleek acoustic body**

BuzziZepp LED is an impressive shield of light, offering acoustic control. The suspended design was conceived by designer Alain Gilles as an “imaginary island” to visually delineate and bring a sense of tranquility to large open spaces. With its striking linear design, BuzziZepp LED hovers from above to define zones without obstruction, establishing a more intimate, quiet and purposeful sense of space, no vertical partitions or walls needed! The slim framework is made of upholstered acoustic panels, engineered to absorb sound and reduce echo. The streamlined design is outfitted with dimmable LED lines, which can be adjusted for various situations. Dim the lights to set a more relaxed tone at your next meeting, or brighten your workstation to focus on the task at hand.

Design by Alain Gilles and BuzziSpace Studio

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**General**

-  Ceiling suspended  
Small | Medium
-  Upholstered acoustic panel  
LED Line light source
  - Input Voltage: 220 - 240V
  - Input Frequency: 50/60Hz
-  Color Temperature: 3000K  
Color Rendering Index: 90  
Dimmable: 1-10V Protocol
-  IP20 Dry usage
-  Flat packed
-  If installing on suspended ceiling, verify load capacity prior to installation

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**Certifications**

CE/CB

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**Acoustics**



Absorption

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**Content**

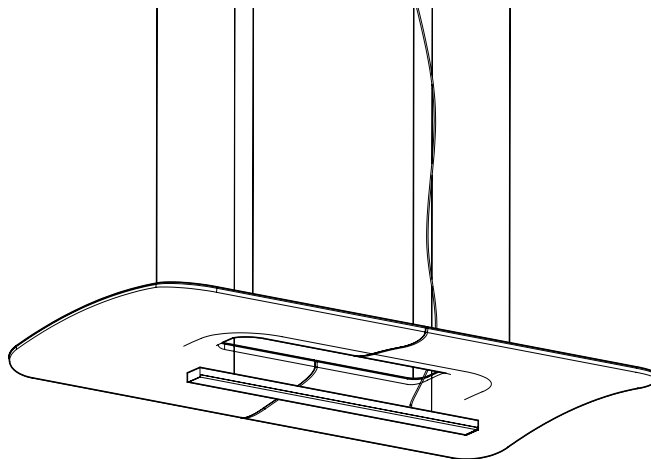
|                |   |            |    |
|----------------|---|------------|----|
| Configurations | 3 | Fabrics    | 6  |
| Composition    | 4 | Dimensions | 10 |
| Mounting       | 5 | Acoustics  | 12 |

# Configurations

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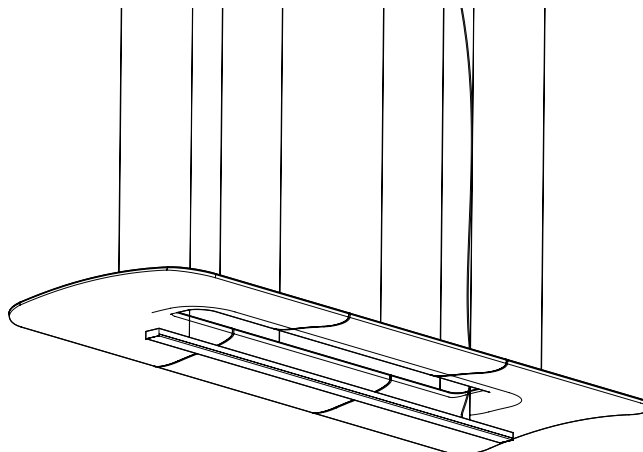
## BuzziZepp LED Line Small

- Core: Poplar multiplex
- Filling: acoustic foam
- Cover: upholstered in fabric
- LED line light source
- ✂ L 200 cm W 117 cm H 10 cm
- ⚖ Acoustic panel: 21,5 kg
- LED line: 2 kg
- Lumen Output: 2300 lumen
- 💡 Wattage: 33 W
- Unified Glare Rating: 23
- ... Black or alu cables 2 - 5 m



## BuzziZepp LED Line Medium

- Core: Poplar multiplex
- Filling: acoustic foam
- Cover: upholstered in fabric
- LED line light source
- ✂ L 300 cm W 117 cm H 10 cm
- ⚖ Acoustic panel: 31,4 kg
- LED line: 4 kg
- Lumen Output: 4600 lumen
- 💡 Wattage: 65 W
- Unified Glare Rating: 23
- ... Black or alu cables 2 - 5 m



# Composition

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## LED Line

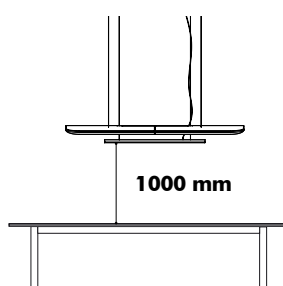


The LED line has a thin aluminum profile finished in fine textured black powder coating. The polycarbonate diffuser creates a diffuse light surface.

To enlight your workplace with optimal lux levels take following measurements into account:

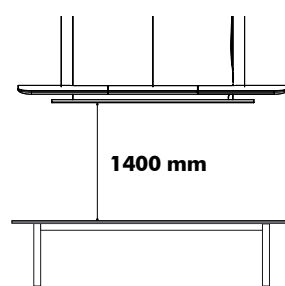
### BuzziZepp Small

500 Lux



### BuzziZepp Medium

500 Lux



Office, meeting room

\* According to EN12464

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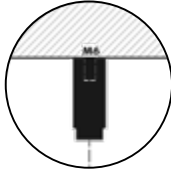
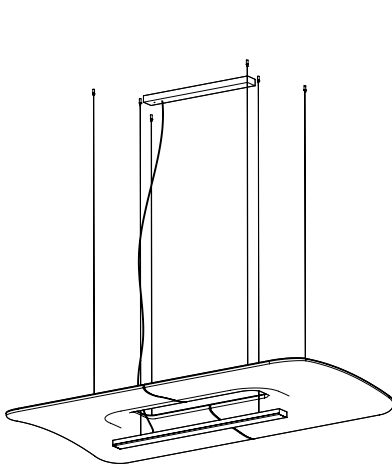
## Acoustic panel



The acoustic panel is upholstered front to back in a chosen fabric.

# Mounting

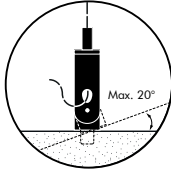
## Fixing System acoustic panel



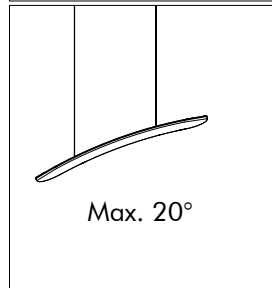
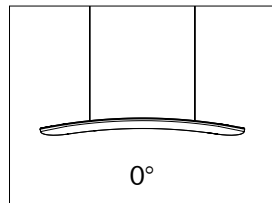
### Fixing Sytem Screw

Small: 4 cables of 2 - 5 m  
black or alu colored cables

Medium: 6 cables of 2 - 5 m  
black or alu colored cables



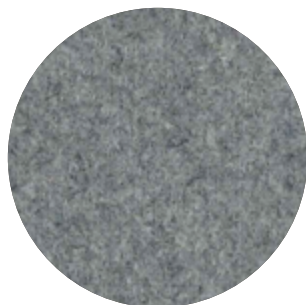
Formations, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Designers and installers are advised to consult a protection engineer, NFPA 13, and their local codes for guidance on the proper installation techniques where detection or suppression systems are present.



The acoustic panel can be mounted straight or slanted, with a maximum angle of 20° to create a more secluded setting.

# Fabrics

## Fabric

**Category** A

**Composition** 70% Recycled Wool, 25% Recycled Polyacryl,  
5% Recycled Other Fabrics

**Weight** 405 g/m<sup>2</sup> | 11.94 oz/yd<sup>2</sup>

**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

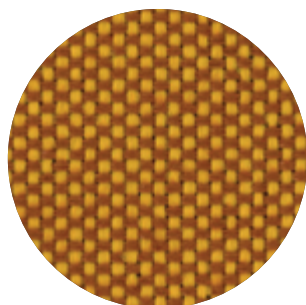
**Fastness to light** EU: 4 | USA 4

**Fastness to rubbing** EU: Wet 3-4 | Dry 4-5

**Fastness to crocking** USA: Wet 5 | Dry 5



## Trevira CS+ | CS

**Category** A

**Weight** 420 g/m<sup>2</sup> | 12.39 oz/yd<sup>2</sup>

**Composition** 100% Polyester, Trevira CS

**Abrasion resistance** 100.000 Martindale, 90,000 Wyzenbeek

**Flammability** BS 5852 part II: CRIB 5 | BS 7176 Medium Hazard  
USA: CAL TB 117 | M1 | B1 | EN 1021/1-2 | C1 |  
IMO Res. A652 (16)

**Fastness to light** EU: 6 | USA 5

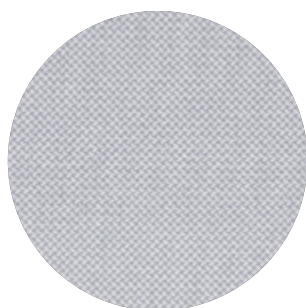
**Fastness to rubbing** EU: Wet 4-5 | Dry 4-5

**Fastness to crocking** USA: Wet 5 | Dry 5



## Revive 1

kvadrat

**Category** A

**Composition** 100% recycled polyester FR

**Weight** 430 g/lin.m

**Abrasion resistance** 60.000 Martindale rubs, EN ISO 12947

**Flammability** EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1  
UNI 9175 1IM | US Cal. Tech. Bull. 117  
IMO A.652 (16)

**Fastness to light** Note 5-7, ISO 105-B02

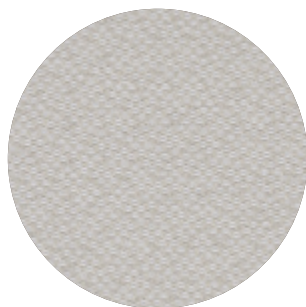
**Fastness to rubbing** (ISO) dry 5, wet 4-5

**Pilling** Note 4-5, EN ISO 12945



## Revive 2

kvadrat



**Category A**

**Composition** 100% recycled polyester FR

**Weight** 420 g/lin.m

**Abrasion resistance** 45.000 Martindale rubs, EN ISO 12947

**Flammability** EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1  
UNI 9175 1IM | US Cal. Tech. Bull. 117  
IMO A.652 (16)

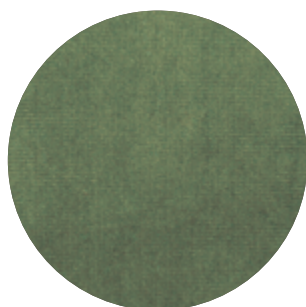
**Fastness to light** Note 5-7, ISO 105-B02

**Fastness to rubbing** (ISO) dry 5, wet 4-5

**Pilling** Note 4-5, EN ISO 12945



## Velvet



**Category B**

**Composition** 100% PES

**Weight** 375 g/m² | 11.06 oz/yd²

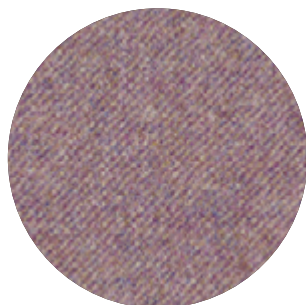
**Abrasion resistance** > 100.000 Martindale

**Fastness to light** EU: 4-5

**Fastness to rubbing** EU: Wet 4 | Dry 4-5

**Pilling** EU: 4-5

## Terra



**Category B**

**Composition** 100% Pure New Wool

**Weight** 370 g/m² | 10.91 oz/yd²

**Abrasion resistance** 40.000 Martindale, 25,000 Wyzenbeek

**Flammability** EU: BS5852 CRIB 5 | BS5867 PART 2 : 2008 : TYPE B  
EN: 1021.2/2006 | USA: CAL TB 117

**Fastness to light** EU 5 | USA 5

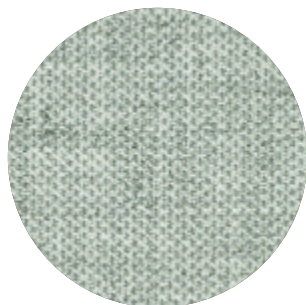
**Fastness to rubbing** EU: Wet 4 | Dry 4

**Fastness to crocking** USA: Wet 4 | Dry 4



## Clara 2

kvadrat



**Category B**

**Composition** 92% new wool, 8% nylon

**Weight** 400 g/lin.m

**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



## Remix 2

kvadrat



### Category B

**Composition** 90% new wool, 10% nylon

**Weight** 415 g/lin.m

**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, 1IM

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

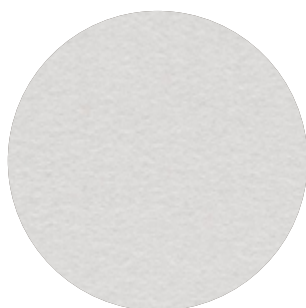
**Fastness to rubbing** (ISO) dry 4-5, wet 4

**Pilling** Note 4, EN ISO 12945



## Hero

kvadrat



### Category C

**Composition** 96% new wool, 4% nylon

**Weight** 580 g/lin.m

**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



## Tonus 4

kvadrat



### Category D

**Composition** 90% new wool, 10% Helanca

**Weight** 665 g/lin.m

**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

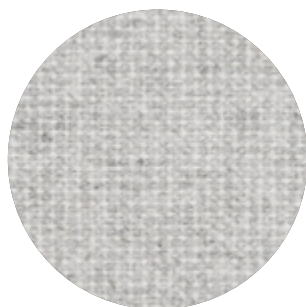
**Fastness to rubbing** (ISO) dry 3-5, wet 3-5

**Pilling** Note 3, EN ISO 12945



## Tonus Meadow

kvadrat



### Category D

**Composition** 90% new wool, 10% Helanca

**Weight** 665 g/lin.m

**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

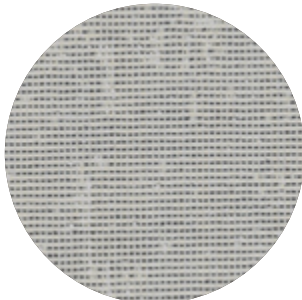
**Fastness to rubbing** (ISO) dry 4-5, wet 4

**Pilling** Note 3, EN ISO 12945



## Memory 2

kvadrat



### Category E

**Composition** 100% Trevira CS

**Weight** 700 g/lin.m

### 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 1IM  
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



## Matrix

kvadrat



### Category F

**Composition** 100% Trevira CS

**Weight** 760 g/lin.m

### 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 1IM | US Cal. Tech. Bull. 117 | NFPA 701  
IMO A.652 (16)

**Fastness to light** Note 5-7, ISO 105-B02

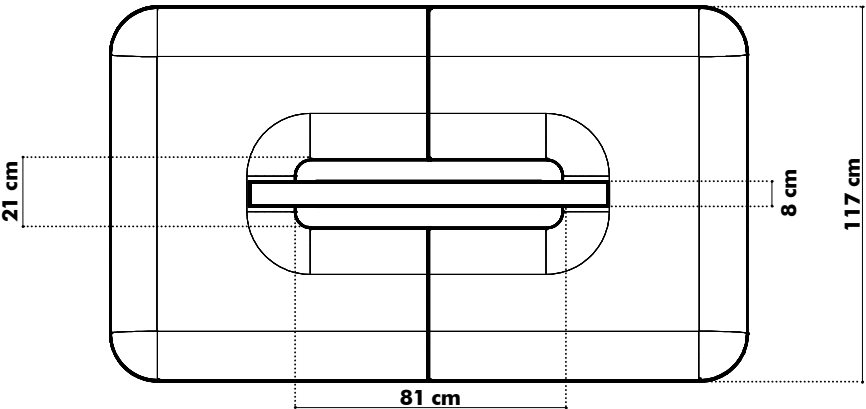
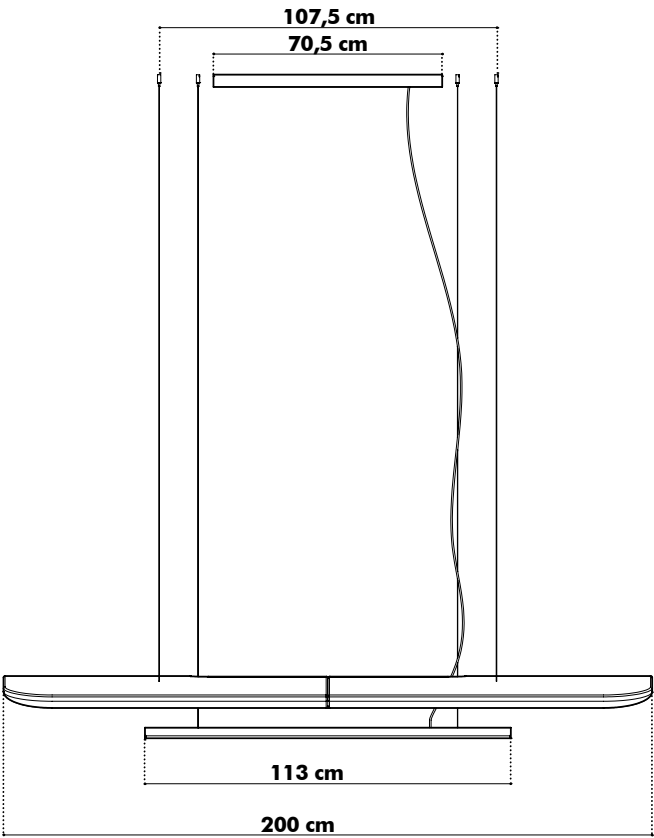
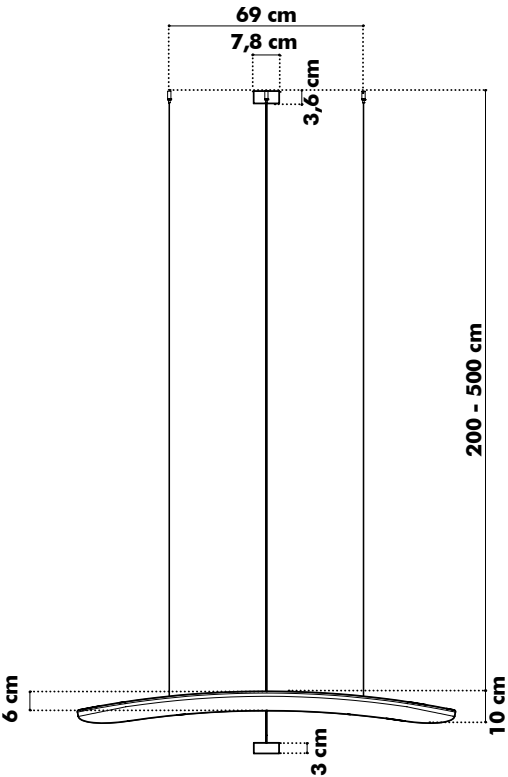
**Fastness to rubbing** (ISO) dry 4-5, wet 4-5

**Pilling** Note 4, EN ISO 12945

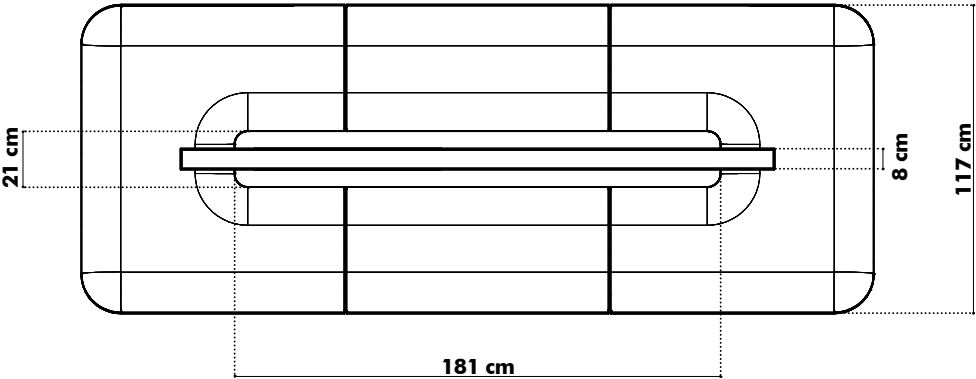
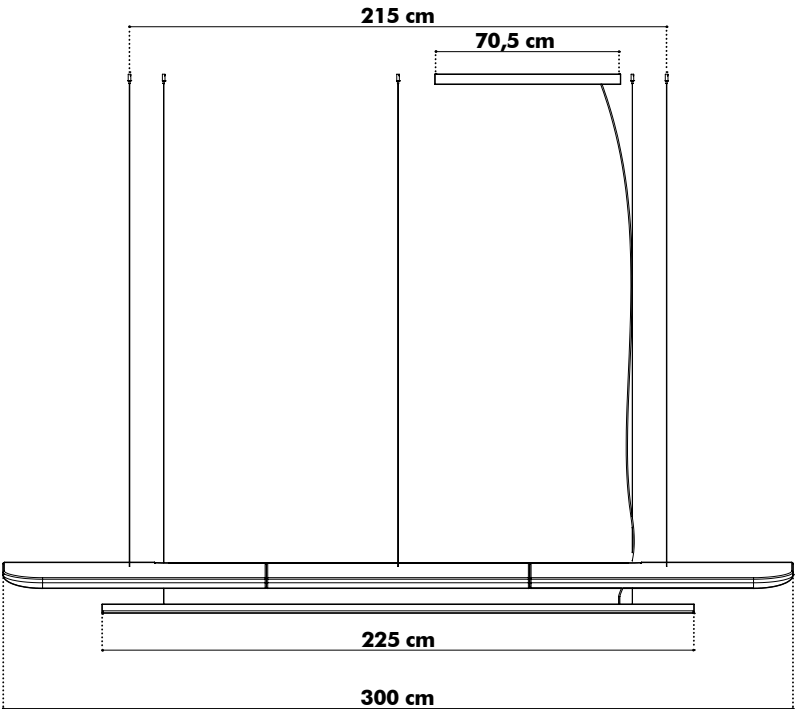
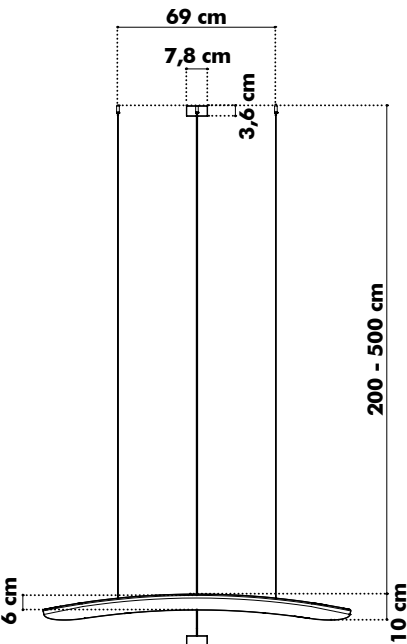


# Dimensions

## Small



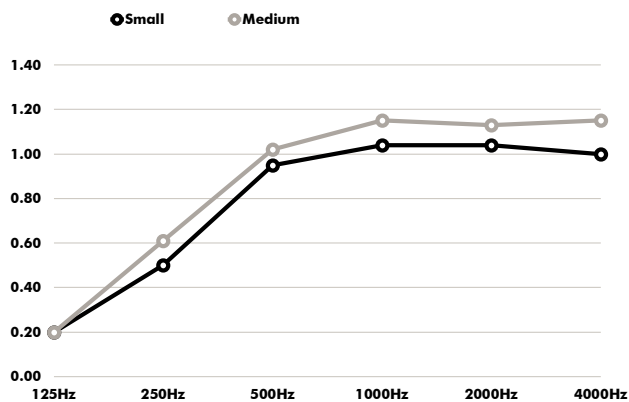
Medium



# Acoustics

## BuzziZepp

### Absorption coefficient



| Hz   | $\alpha^s$<br>Small | $\alpha^s$<br>Medium |
|------|---------------------|----------------------|
| 125  | 0.20                | 0.20                 |
| 250  | 0.50                | 0.61                 |
| 500  | 0.95                | 1.02                 |
| 1000 | 1.04                | 1.15                 |
| 2000 | 1.04                | 1.13                 |
| 4000 | 1.00                | 1.15                 |

### Absorption Values Small

$\alpha^w$   
(ISO 11654) **0.80**

NRC  
(ASTM - C423) **0.90**

SAA  
(ASTM - C423) **0.88**

Class  
(ISO 11654) **A**

### Absorption Values Medium

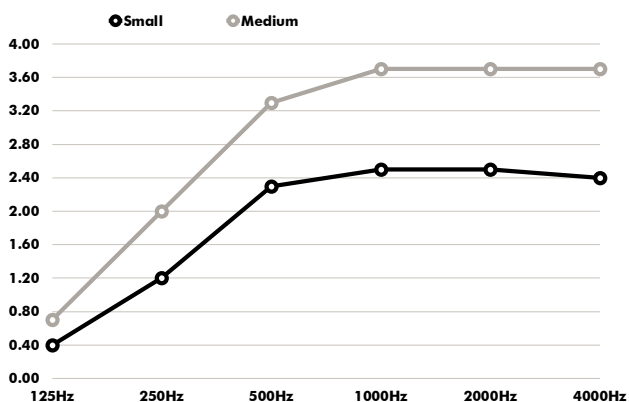
$\alpha^w$   
(ISO 11654) **0.90**

NRC  
(ASTM - C423) **1.00**

SAA  
(ASTM - C423) **0.98**

Class  
(ISO 11654) **A**

### Equivalent sound absorption area in m² per object



| Hz   | Aeq/m²<br>Small | Aeq/m²<br>Medium |
|------|-----------------|------------------|
| 125  | 0.40            | 0.7              |
| 250  | 1.20            | 2.0              |
| 500  | 2.30            | 3.3              |
| 1000 | 2.50            | 3.7              |
| 2000 | 2.50            | 3.7              |
| 4000 | 2.40            | 3.7              |

Glossary p.13

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## Glossary

All calculations are based on accredited lab measurements, official document available on [www.buzzi.space](http://www.buzzi.space)

### Definitions

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|                            |                                 |               |
|----------------------------|---------------------------------|---------------|
| <b><math>\alpha</math></b> | Weighted absorption coefficient | (ISO 11654)   |
| <b>NRC</b>                 | Noise reduction coefficient     | (ASTM - C423) |
| <b>SAA</b>                 | Sound absorption average        | (ASTM - C423) |

### Classification of sound absorbers NEN-EN-ISO 11654

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|          |                           |
|----------|---------------------------|
| <b>A</b> | 0.90   0.95   1.0         |
| <b>B</b> | 0.80   0.85               |
| <b>C</b> | 0.60   0.65   0.70   0.75 |
| <b>D</b> | 0.03   0.55               |
| <b>E</b> | 0.15   0.25               |