BuzziHat 220-240V
Product Specification Sheet

This document contains technical information about the BuzziHat

www.buzzi.space
Say goodbye to noisy environments with BuzziHat
A decorative and highly recognizable hat-shaped pendant light with excellent sound absorption capabilities. Its unique design, combining an upholstered part with a metal shade is bound to steal the attention in any space. The upholstered foam body is available in a wide palette of color and fabric combinations, while the metal shade and ring come in 4 finishes (black, white, beige red and gold). Mix colors of your choosing and match the fabric of BuzziHat with the color of your furniture to create an impeccable setting. BuzziHat is available in different sizes to fit different sonic environments which makes it the ultimate acoustic lighting for any office, lobby or restaurant that needs acoustic absorption treatment combined with high-quality lighting.

Design by Alain Gilles

General

- Ceiling Suspended
  - S | M | L | XL

- Upholstered acoustic foam element
- Powder coated metal shade and ring
- LED disk with opaque diffuser
- Powder coated metal ceiling canopy in white (RAL 9010)
- Transparent power cable

- Wattage: 19 W
- Input Voltage: 220 - 240V
- Input Frequency: 50/60Hz
- Lumen Output: 2000 lumen
- Color Temperature: 3000K
- Color Rendering Index: < 90
- Unified glare rating: 20
- Dimmable: 1-10V Protocol

- IP20 Dry Usage
- Assembled
- If installing on suspended ceiling, verify load capacity prior to installation

Certifications

CE/CB

Acoustics

- Absorption
- Diffusion

Content

<table>
<thead>
<tr>
<th>Configurations</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>5</td>
</tr>
<tr>
<td>Fabrics</td>
<td>6</td>
</tr>
<tr>
<td>Dimensions</td>
<td>10</td>
</tr>
</tbody>
</table>
Configurations

BuzziHat Suspended S

- Ceiling Suspended
- Upholstered acoustic foam element
- Powder coated metal shade and ring
- LED disk with opaque diffuser
- Powder coated metal ceiling canopy in white (RAL 9010)
- Transparent power cable

- S: Ø 52 cm  H: 28 cm
- 6.5 kg

- Powder coated metal shade and decorative ring in black (RAL 9005), white (RAL 9010), beige red (RAL 3012) or gold
- Black or alu cable 2 - 5 m

- If installing on suspended ceiling, verify load capacity prior to installation

BuzziHat Suspended M

- Ceiling Suspended
- Upholstered acoustic foam element
- Powder coated metal shade and ring
- LED disk with opaque diffuser
- Powder coated metal ceiling canopy in white (RAL 9010)
- Transparent power cable

- M: Ø 52 cm  H: 42 cm
- 7 kg

- Powder coated metal shade and decorative ring in black (RAL 9005), white (RAL 9010), beige red (RAL 3012) or gold
- Black or alu cable 2 - 5 m

- If installing on suspended ceiling, verify load capacity prior to installation
BuzziHat Suspended L

- Ceiling Suspended
- Upholstered acoustic foam element
- Powder coated metal shade and ring
- LED disk with opaque diffuser
- Powder coated metal ceiling canopy in white (RAL 9010)
- Transparent power cable

- **L**: Ø 52 cm  **H**: 52 cm
- **7,5 kg**

- Powder coated metal shade and decorative ring in black (RAL 9005), white (RAL 9010), beige red (RAL 3012) or gold
- Black or alu cable 2 - 5 m

- If installing on suspended ceiling, verify load capacity prior to installation

BuzziHat Suspended XL

- Ceiling Suspended
- Upholstered acoustic foam element
- Powder coated metal shade and ring
- LED disk with opaque diffuser
- Powder coated metal ceiling canopy in white (RAL 9010)
- Transparent power cable

- **XL**: Ø 52 cm  **H**: 62 cm
- **8 kg**

- Powder coated metal shade and decorative ring in black (RAL 9005), White (RAL 9010), Beige Red (RAL 3012) or gold
- Black or alu cables 2 - 5 m

- If installing on suspended ceiling, verify load capacity prior to installation
Composition

LED Disk

The PMMA diffusor ensures an optimal light spread and efficiency. It creates a very diffuse light surface without any dottiness. To enlight your workplace or room with optimal lux levels take following measures into account.

<table>
<thead>
<tr>
<th>Lux Level</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 Lux</td>
<td>120 cm</td>
</tr>
<tr>
<td>300 Lux</td>
<td>150 cm</td>
</tr>
<tr>
<td>200 Lux</td>
<td>200 cm</td>
</tr>
<tr>
<td>100 Lux</td>
<td>250 cm</td>
</tr>
</tbody>
</table>

Office, meeting room  
Reception desk, lounge, classroom  
Entrance Hall

To ensure a continuous light spread into account take following distances inbetween the BuzziHats

According to EN12464

Mix and Match

Customize your BuzziHat by mixing and matching the color of the ring, the shade and the upholstery fabric.

Ceiling canopy and power cord

Suspension set consists of a:
- metal ceiling canopy powder coated in white (RAL 9010)
- transparent power cable (length 5m)
- separate metal cables to suspend the BuzziHat (in alu or black 2 or 5m)
## Fabrics

### Fabric

<table>
<thead>
<tr>
<th>Category</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>70% Recycled Wool, 25% Recycled Polyacryl, 5% Recycled Other Fabrics</td>
</tr>
<tr>
<td>Weight</td>
<td>405 g/m²</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>40,000 Martindale, 50,000 Wyzenbeek</td>
</tr>
<tr>
<td>USA: CAL TB 117</td>
<td>ASTM E84 CLASS A</td>
</tr>
<tr>
<td>Fastness to light</td>
<td>EU: 4</td>
</tr>
<tr>
<td>Fastness to rubbing</td>
<td>EU: Wet 3-4</td>
</tr>
<tr>
<td>Fastness to crocking</td>
<td>USA: Wet 5</td>
</tr>
</tbody>
</table>

### Rough

<table>
<thead>
<tr>
<th>Category</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>100% Polyacryl</td>
</tr>
<tr>
<td>Weight</td>
<td>456 g/m²</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>40,000 Martindale</td>
</tr>
<tr>
<td>Flammability</td>
<td>EU: EN 1021.1/2006</td>
</tr>
<tr>
<td>USA: CAL TB TB 117</td>
<td></td>
</tr>
<tr>
<td>Fastness to light</td>
<td>EU: 5</td>
</tr>
<tr>
<td>Fastness to rubbing</td>
<td>EU: Wet: 3</td>
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</table>

### Trevira CS+ | CS

<table>
<thead>
<tr>
<th>Category</th>
<th>A</th>
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<tbody>
<tr>
<td>Weight</td>
<td>420 g/m²</td>
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<tr>
<td>Composition</td>
<td>100% Polyester, Trevira CS</td>
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<tr>
<td>Abrasion resistance</td>
<td>100,000 Martindale, 90,000 Wyzenbeek</td>
</tr>
<tr>
<td>Flammability</td>
<td>BS 5852 part II: CRIB 5</td>
</tr>
<tr>
<td>USA: CAL TB 117</td>
<td>M1</td>
</tr>
<tr>
<td>Fastness to light</td>
<td>EU: 6</td>
</tr>
<tr>
<td>Fastness to rubbing</td>
<td>EU: Wet 4-5</td>
</tr>
<tr>
<td>Fastness to crocking</td>
<td>USA: Wet 5</td>
</tr>
</tbody>
</table>

### Revive 1

<table>
<thead>
<tr>
<th>Category</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>100% recycled polyester FR</td>
</tr>
<tr>
<td>Weight</td>
<td>430 g/lin.m</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>60,000 Martindale rubs, EN ISO 12947</td>
</tr>
<tr>
<td>Flammability</td>
<td>EN 1021-1/2</td>
</tr>
<tr>
<td>UNI 9175 1IM</td>
<td>US Cal. Tech. Bull. 117</td>
</tr>
<tr>
<td>IMO A.652 (16)</td>
<td></td>
</tr>
<tr>
<td>Fastness to light</td>
<td>Note 5-7, ISO 105-B02</td>
</tr>
<tr>
<td>Fastness to rubbing</td>
<td>ISO dry 5, wet 4-5</td>
</tr>
<tr>
<td>Pilling</td>
<td>Note 4-5, EN ISO 12945</td>
</tr>
</tbody>
</table>
Revive 2

**Category**: A  
**Composition**: 100% recycled polyester FR  
**Weight**: 420 g/lm²  
**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

**Category**: B  
**Composition**: 92% new wool, 8% nylon  
**Weight**: 400 g/lm²  
**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**

*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 B  
*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**

*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  
| 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**

*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  
*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**

*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  
*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

**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  
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

**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  
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

**BuzziHat S**

![Diagram of BuzziHat S](image)

**Dimensions**

- Ø 52 cm
- Ø 41 cm
- 30 cm
- 28 cm
- 12 cm, 5 cm

**BuzziHat M**

![Diagram of BuzziHat M](image)

**Dimensions**

- Ø 52 cm
- Ø 41 cm
- 30 cm
- 42 cm
- 12 cm, 5 cm

**BuzziHat L**

![Diagram of BuzziHat L](image)

**Dimensions**

- Ø 52 cm
- Ø 41 cm
- 30 cm
- 52 cm
- 12 cm, 5 cm

**BuzziHat XL**

![Diagram of BuzziHat XL](image)

**Dimensions**

- Ø 52 cm
- Ø 41 cm
- 30 cm
- 62 cm
- 12 cm, 5 cm
Suspension Set

4,8 cm

7 cm

200 - 500 cm
## Acoustics

### BuzziHat

Equivalent sound absorption area in m² per object

<table>
<thead>
<tr>
<th>Hz</th>
<th>S Aeq/m²</th>
<th>M Aeq/m²</th>
<th>L Aeq/m²</th>
<th>XL Aeq/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>0.04</td>
<td>0.06</td>
<td>0.07</td>
<td>0.10</td>
</tr>
<tr>
<td>250</td>
<td>0.13</td>
<td>0.20</td>
<td>0.25</td>
<td>0.30</td>
</tr>
<tr>
<td>500</td>
<td>0.22</td>
<td>0.33</td>
<td>0.41</td>
<td>0.50</td>
</tr>
<tr>
<td>1000</td>
<td>0.22</td>
<td>0.33</td>
<td>0.41</td>
<td>0.50</td>
</tr>
<tr>
<td>2000</td>
<td>0.22</td>
<td>0.33</td>
<td>0.41</td>
<td>0.50</td>
</tr>
<tr>
<td>4000</td>
<td>0.18</td>
<td>0.26</td>
<td>0.33</td>
<td>0.40</td>
</tr>
</tbody>
</table>