BuzziJet 120V-277V
Product Specification Sheet

This document contains technical information about the BuzziJet

www.buzzi.space
**Powerful acoustic circle of light**
Form follows function with BuzziJet, an intentionally simple design based on the principles of geometric acoustics. Wide in diameter, this cylindrical design allows sound waves to bounce back-and-forth within the radius of its circular body, and in turn mitigates noise. BuzziJet is considerable in size, yet appears lightweight and airy thanks to its upholstered foam core. Its soft presence evokes a majestic sense of serenity. Concealed inside the body, a powerful light source emits warm, pleasant light.

Design by BuzziSpace Studio

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**General**

- Ceiling Suspended
  - S | M | XL | XXL

  Upholstered acoustic foam shade
  LED disk

- Powder coated metal ceiling canopy in white (RAL 9010)
- Transparent power cable

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

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**Certifications**

- UL Listed

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**Acoustics**

- Absorption
- Diffusion
- Low tone
- Mid tone
- High tone

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Configurations

**BuzziJet S**

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

Wattage: 29W
Input Voltage: 120V-277V
Input Frequency: 50/60Hz
Lumen Output: 2545 lumen
Color Temperature: 3000K
Color Rendering Index: >90
Dimmable: 1-10V Protocol
Unified Glare Rating: 22

Ø 31.5” H: 8.9”
27.7 lbs
Ceiling Suspended Straight or Split Fixing System Screw
3x black or alu cables 78.7” - 157.5”

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

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**BuzziJet M**

- Ceiling Suspended
- Acoustic upholstered foam shade LED disk
- Powder coated metal ceiling canopy and frame in white (RAL 9010)
- Transparent power cable

Wattage: 29W
Input Voltage: 120V-277V
Input Frequency: 50/60Hz
Lumen Output: 2545 lumen
Color Temperature: 3000K (4000K on request)
Color Rendering Index: >90
Dimmable: 1-10V Protocol
Unified Glare Rating: 22

Ø 31.5” H: 17.7”
33.1 lbs
Ceiling Suspended Straight or Split Fixing System Screw
3x black or alu cables 78.7” - 157.5”

If installing on suspended ceiling, verify load capacity prior to installation
**BuzziJet XL**

- Ceiling Suspended
  - Acoustic upholstered foam shade LED disk
  - Powder coated metal ceiling canopy and frame in white (RAL 9010)
  - Transparant power cable
- Wattage: 29W
  - Input Voltage: 120V-277V
  - Input Frequency: 50/60Hz
  - Lumen Output: 2545 lumen
  - Color Temperature: 3000K
  - Color Rendering Index: >90
  - Dimmable: 1-10V Protocol
  - Unified Glare Rating: 22
- Ø 47.2”  H: 20.7”
- 37.5 lbs

- Ceiling Suspended Straight
  - Fixing System Screw
  - 3x black or alu cables 78.7” - 157.5”

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

**BuzziJet XXL**

- Ceiling Suspended
  - Acoustic upholstered foam shade LED disk
  - Powder coated metal ceiling canopy and frame in white (RAL 9010)
  - Transparant power cable
- Wattage: 70W
  - Input Voltage: 120V-277V
  - Input Frequency: 50/60Hz
  - Lumen Output: 6232 lumen
  - Color Temperature: 3000K
  - Color Rendering Index: >90
  - Dimmable: 1-10V Protocol
  - Unified Glare Rating: 23
- Ø 59.1”  H: 23.6”
- 57.3 lbs

- Ceiling Suspended Straight
  - Fixing System Screw
  - 3x black or alu cables 78.7” - 157.5”

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

Light source

The Light source is wrapped with an upholstered ring in the same fabric as the foam shade. The PMMA diffusor ensures an optimal light spread and efficiency. It creates a very diffuse light surface without any dottiness.

The light source of the BuzziJet is a LED PCB, containing 104 medium power LED’s for the S | M | XL and for the XXL 248 medium power LED’s

Ceiling canopy and power cord

Suspension set consists of:
- metal ceiling canopy powder coated in white
- transparent power cable (length 157.5”)
- seperate metal cables to suspend the BuzziJet (in alu or black 78.7” or 157.5”)

Mounting

Ceiling Suspended Straight

Ceiling Suspended Straight Fixing System Screw with 3 cables of 78.7” or 157.5” (black or alu) 
Min. distance of shade to ceiling is 3.9”

Ceiling Suspended Split (only available for BuzziJet S | M)

Ceiling Suspended Split Fixing System Screw with 3 split cables and 1 main cable, total length of 78.7” or 157.5” (black or alu) 
Min. distance of shade to ceiling is 19.7”
Photometric Data
To enlight your workplace or room with optimal lux levels take following measures into account.

**BuzziJet S | M | XL**

<table>
<thead>
<tr>
<th></th>
<th>Office, meeting room</th>
<th>Reception desk, lounge, classroom</th>
<th>Entrance Hall</th>
<th>Entrance Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BuzziJet</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>M</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>XL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lux</strong></td>
<td>500</td>
<td>300</td>
<td>200</td>
<td>100</td>
</tr>
<tr>
<td><strong>500 Lux</strong></td>
<td>33.5°</td>
<td>35.4°</td>
<td>43.3°</td>
<td>59.1°</td>
</tr>
<tr>
<td><strong>300 Lux</strong></td>
<td>49.2°</td>
<td>51.2°</td>
<td>66.9°</td>
<td>96.5°</td>
</tr>
</tbody>
</table>

To ensure a continious light spread into account take following distances inbetween the BuzziJets S | M | XL

500 Lux

According to EN12464

**Specification overview BuzziJet S | M | XL**
3000K | UGR 22 | 1-10V DIM | 2545 Lm

**Polar Curve**

<table>
<thead>
<tr>
<th>Distance [m]</th>
<th>Cone Diameter [m]</th>
<th>Illuminance [lx]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50</td>
<td>1.49</td>
<td>E 3521</td>
</tr>
<tr>
<td>1.00</td>
<td>2.98</td>
<td>E 880</td>
</tr>
<tr>
<td>1.50</td>
<td>4.46</td>
<td>E 391</td>
</tr>
<tr>
<td>2.00</td>
<td>5.95</td>
<td>E 220</td>
</tr>
<tr>
<td>2.50</td>
<td>7.44</td>
<td>E 141</td>
</tr>
</tbody>
</table>

**Cone Diagram**

ref model: LED Disk 450 3000K UGR 22

η = 79%
BuzziJet XXL

Office, meeting room
500 Lux

Reception desk, lounge, classroom
300 Lux

Entrance Hall
200 Lux

Entrance Hall
100 Lux

Specification overview BuzziJet XXL
3000K | UGR 23 | 1-10V DIM | 6232 Lm

Polar Curve

Cone Diagram

E 8942
E 2235
E 994
E 559
E 358

ref model: LED Disk 650 3000K UGR 23
## Fabrics

### Fabric

<table>
<thead>
<tr>
<th>Category</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Composition</strong></td>
<td>70% Recycled Wool, 25% Recycled Polyacryl, 5% Recycled Other Fabrics</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>405 g/m²</td>
</tr>
<tr>
<td><strong>Abrasion resistance</strong></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><strong>Fastness to light</strong></td>
<td>EU: 4</td>
</tr>
<tr>
<td><strong>Fastness to rubbing</strong></td>
<td>EU: Wet 3-4</td>
</tr>
<tr>
<td><strong>Fastness to crocking</strong></td>
<td>USA: Wet 5</td>
</tr>
</tbody>
</table>

### Trevira CS+ | CS

<table>
<thead>
<tr>
<th>Category</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weight</strong></td>
<td>420 g/m²</td>
</tr>
<tr>
<td><strong>Composition</strong></td>
<td>100% Polyester, Trevira CS</td>
</tr>
<tr>
<td><strong>Abrasion resistance</strong></td>
<td>100,000 Martindale, 90,000 Wyzenbeek</td>
</tr>
<tr>
<td><strong>Flammability</strong></td>
<td>BS 5852 part II: CRIB 5</td>
</tr>
<tr>
<td>USA: CAL TB 117</td>
<td>M1</td>
</tr>
<tr>
<td>IMO Res. A652 (16)</td>
<td></td>
</tr>
<tr>
<td><strong>Fastness to light</strong></td>
<td>EU: 6</td>
</tr>
<tr>
<td><strong>Fastness to rubbing</strong></td>
<td>EU: Wet 4-5</td>
</tr>
<tr>
<td><strong>Fastness to crocking</strong></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><strong>Composition</strong></td>
<td>100% recycled polyester FR</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>430 g/lin.m</td>
</tr>
<tr>
<td><strong>Abrasion resistance</strong></td>
<td>60,000 Martindale rubs, EN ISO 12947</td>
</tr>
<tr>
<td><strong>Flammability</strong></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><strong>Fastness to light</strong></td>
<td>Note 5-7, ISO 105-B02</td>
</tr>
<tr>
<td><strong>Fastness to rubbing</strong></td>
<td>(ISO) dry 5, wet 4-5</td>
</tr>
<tr>
<td><strong>Pilling</strong></td>
<td>Note 4-5, EN ISO 12945</td>
</tr>
</tbody>
</table>
**Clara 2**

**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

  - 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

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**Remix 3**

**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, 11M
  - 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

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**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

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**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 11M

**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
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
Dimensions

BuzziJet S

Straight

Split

Ø 31.5"
Ø 26.8"
Ø 17.7"
BuzziJet XXL

Dimensions:
- Height: 1.9" - 3.5"
- Diameter: 59.1"
- Ø 54.3"
- Ø 25.6"

23.6"
### Acoustics

**BuzziJet**

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>XL Aeq/m²</th>
<th>XXL Aeq/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>0.25</td>
<td>0.60</td>
<td>0.80</td>
<td>1.20</td>
</tr>
<tr>
<td>250</td>
<td>0.44</td>
<td>0.90</td>
<td>1.44</td>
<td>2.16</td>
</tr>
<tr>
<td>500</td>
<td>0.74</td>
<td>1.50</td>
<td>2.48</td>
<td>3.72</td>
</tr>
<tr>
<td>1000</td>
<td>0.84</td>
<td>1.70</td>
<td>3.04</td>
<td>4.56</td>
</tr>
<tr>
<td>2000</td>
<td>0.89</td>
<td>1.80</td>
<td>3.04</td>
<td>4.56</td>
</tr>
<tr>
<td>4000</td>
<td>0.79</td>
<td>1.60</td>
<td>3.04</td>
<td>4.56</td>
</tr>
</tbody>
</table>