BuzziMoon 220-240V
Product Specification Sheet

This document contains technical information about the BuzziMoon
Embedded light
BuzziMoon offers the best of both worlds; highly functional general lighting embedded in a proven acoustic ceiling solution. One of the first acoustical lighting solutions that is equally performant on lighting as on acoustic level. The LED light module is designed specifically to answer the request of general lighting in office space. The Moon can be finished off in different fabrics and various 3D patterns. The LED module has an output of 2500 lumen at a colour temperature of 3000K. The diffuser gives it a “full moon” lighting experience. BuzziMoon is equally available in EU and US.

Design by BuzziSpace Studio

General

- Round, Oval
  - LED disk: Powder coated metal body
  - Opaque diffusor
  - Acoustic Panel: Honeycomb cardboard
    - Acoustic foam filling
    - Upholstered acoustic panel
  - Wattage: 29.4W
  - Input Voltage: 220 - 240V
  - Input Frequency: 50/60Hz
  - Lumen output: 2545 lumen
  - Color Temperature: 3000K
  - Color Rendering Index: 90
  - Unified glare rating: 22 (version with prismatic diffusor UGR 19 on request)
  - Efficacy: 87 Lm/W
  - Dimmable 1-10V Protocol

- IP20 Dry usage

- Round: Flat, 3D Drop, 3D leaf, 3D Rib
- Oval: Flat, 3D leaf, 3D Rib
- Assembled

Certifications

- CE/CB

Acoustics

- Absorption
- Diffusion
- Mid tone
- High tone

Content

| Configurations | 3  | Fabrics | 8  |
| Composition    | 4  | Dimensions | 11 |
| Patterns       | 5  | Acoustics  | 14 |
Configurations

**BuzziMoon Round**

- Acoustic panel upholstered in CAT A, B, C, D, E
- LED disk integrated in an upholstered acoustic panel
- 3 silver metal suspension cables
- White powder coated metal ceiling canopy
- Transparent power cable
- R-S Ø 80 cm
- R-M Ø 100 cm
- R-L Ø 120 cm
- R-S: 9.5 kg
- R-M: 11.5 kg
- R-L: 13.5 kg

- Flat, 3D Drop, 3D leaf, 3D Rib

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

**BuzziMoon Oval**

- Acoustic panel upholstered in CAT A, B, C, D, E
- LED disk integrated in an upholstered acoustic panel
- 4 silver metal suspension cables
- White powder coated metal ceiling canopy
- Transparent power cable
- O-S W 80 cm L 120 cm
- O-M W 96 cm L 144 cm
- O-S: 10 kg
- O-M: 12 kg

- Flat, 3D Leaf, 3D Rib

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

LED Disk

The LED disk has an aluminium frame which is finished in fine textured white powder coating. 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 buzzimoon is a LED PCB, containing 36 low power LED’s.

To enlighten your workplace or room with optimal lux levels take following measures into account.

<table>
<thead>
<tr>
<th>Lux Level</th>
<th>Table Height</th>
<th>Office, meeting room</th>
<th>Reception desk, Lounge, classroom</th>
<th>Entrance Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 Lux</td>
<td>1300 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300 Lux</td>
<td>1700 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200 Lux</td>
<td>2100 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 Lux</td>
<td>2900 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* According to EN12464

Suspension Set

Suspension set consists of:
- metal ceiling canopy powder coated in white
- transparent power cable (length 4m)
- silver metal cables to suspend the BuzziMoon (length 4m)
- single silver metal cable exits the ceiling canopy and splits up into 3 metal cables to connect to the BuzziMoon
- BuzziMoon Oval has 1 additional metal cable

Acoustic Panel

The acoustic panel is upholstered front to back in a chosen fabric. The panel consists of honeycomb cardboard, MDF and acoustic foam filling.
Patterns Round

Flat

L  M  S

3D Rib

L  M  S
3D Leaf
L M S

3D Drop
L M S
Patterns Oval

**Flat**

M  |  S
---|---

**3D Leaf**

M  |  S
---|---

**3D Rib**

M  |  S
Fabrics

Fabric

- **Category**: A
- **Composition**: 70% Recycled Wool, 25% Recycled Polyacryl, 5% Recycled Other Fabrics
- **Weight**: 405 g/m² | 11.94 oz/yd²
- **Abrasion resistance**: 40,000 Martindale, 50,000 Wyzenbeek
  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

Rough

- **Category**: A
- **Composition**: 100% Polyacryl
- **Weight**: 456 g/m² | 13.45 oz/yd²
- **Abrasion resistance**: 40,000 Martindale
- **Flammability**: EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette)
  USA: CAL TB TB 117
- **Fastness to light**: EU: 5
- **Fastness to rubbing**: EU: Wet: 3 | Dry: 3

Trevira CS+ | CS

- **Category**: A
- **Weight**: 420 g/m² | 12.39 oz/yd²
- **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

- **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**

- **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
  - 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 12945

---

**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/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

---

**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
  - 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**

**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

**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

Acoustic Panel Round

L  Ø 45 cm  Ø 120 cm  6 cm
M  Ø 45 cm  Ø 100 cm  6 cm
S  Ø 45 cm  Ø 80 cm  6 cm

Suspension Set Round

Ø 56 cm  5 cm  7 cm  4,8 cm  400 cm
Acoustic Panel Oval

**M**

![Diagram of M size panel]

Size: 144 cm x 96 cm

**S**

![Diagram of S size panel]

Size: 120 cm x 80 cm
Suspension Set Oval
Acoustics

**BuzziMoon Round**
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>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>250</td>
<td>0.1</td>
<td>0.2</td>
<td>0.3</td>
</tr>
<tr>
<td>500</td>
<td>0.3</td>
<td>0.5</td>
<td>0.8</td>
</tr>
<tr>
<td>1000</td>
<td>0.4</td>
<td>0.8</td>
<td>1.2</td>
</tr>
<tr>
<td>2000</td>
<td>0.5</td>
<td>0.9</td>
<td>1.5</td>
</tr>
<tr>
<td>4000</td>
<td>0.5</td>
<td>1</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**BuzziMoon Oval**
Equivalent sound absorption area in m² per object

<table>
<thead>
<tr>
<th>Hz</th>
<th>S Aeq/m²</th>
<th>M Aeq/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>250</td>
<td>0.2</td>
<td>0.3</td>
</tr>
<tr>
<td>500</td>
<td>0.5</td>
<td>0.8</td>
</tr>
<tr>
<td>1000</td>
<td>0.8</td>
<td>1.2</td>
</tr>
<tr>
<td>2000</td>
<td>0.9</td>
<td>1.5</td>
</tr>
<tr>
<td>4000</td>
<td>1</td>
<td>1.5</td>
</tr>
</tbody>
</table>