BuzziMoon 220-240V Product Specification Sheet

This document contains technical information about the BuzziMoon Round Suspended

www.buzzi.space
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 Suspended
  - LED disk: Powder coated metal body
  - Opaque diffusor
- Acoustic Panel: Honeycomb cardboard + MDF
  - Acoustic foam filling
  - Upholstered in Fabric, Rough, Trevira CS+ | CS, Terra

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
- R-S Ø 80 cm
- R-M Ø 100 cm
- R-L Ø 120 cm
- Flat, 3D Drop, 3D leaf, 3D Rib
- Assembled

Certifications

CE/CB

Acoustics

Absorption Diffusion

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Configurations

BuzziMoon Round Suspended

- Downlight
  - 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
  - S: 9,5kg
  - M: 11,5kg
  - L: 13,5 kg
- Flat, 3D Drop, 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>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>
</tr>
<tr>
<td>300 Lux</td>
<td>1700 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200 Lux</td>
<td>2100 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 Lux</td>
<td>2900 mm</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

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

Flat

L M S

![Flat Patterns](image)

3D Drop

L M S

![3D Drop Patterns](image)
3D Leaf

L M S

3D Rib

L M S
# Fabrics

## Fabric

<table>
<thead>
<tr>
<th>Category</th>
<th>Composition</th>
<th>Weight</th>
<th>Abrasion resistance</th>
<th>Flammability</th>
<th>Fastness to light</th>
<th>Fastness to rubbing</th>
<th>Fastness to crocking</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>70% Recycled Wool, 25% Recycled Polyacryl, 5% Recycled Other Fabrics</td>
<td>405 g/m²</td>
<td>40,000 Martindale, 50,000 Wyzenbeek</td>
<td>EU: EN 1021.1/2006</td>
<td>EU: 4</td>
<td>USA: Wet 3-4</td>
<td>Dry: 3-4</td>
</tr>
</tbody>
</table>

## Rough

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

## Trevira CS+ | CS

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

## Terra

<table>
<thead>
<tr>
<th>Category</th>
<th>Composition</th>
<th>Weight</th>
<th>Abrasion resistance</th>
<th>Flammability</th>
<th>Fastness to light</th>
<th>Fastness to rubbing</th>
<th>Fastness to crocking</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>100% Pure New Wool</td>
<td>370 g/m²</td>
<td>40,000 Martindale, 25,000 Wyzenbeek</td>
<td>EU: BSS852 CRIB 5</td>
<td>EU: 5</td>
<td>USA: Wet 4</td>
<td>Dry: 4</td>
</tr>
</tbody>
</table>

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Dimensions

Acoustic Panel

L
Ø 45 cm
Ø 120 cm

M
Ø 45 cm
Ø 100 cm

S
Ø 45 cm
Ø 80 cm

Suspension Set

7 cm
4.8 cm
400 cm
5 cm
56 cm
### Acoustics

**BuzziMoon**

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>