



## Product Specification Sheet

### BuzziPleat Light EU

— By 13&9 Design

#### An avant-garde solution

BuzziPleat Light delivers exceptional sound control with an architectural edge thanks to its architectural folds made from our hero material, BuzziFelt. The suspended lighting solution can be equipped with BuzziSol, a powerful LED light source, or a retrofit option.



# The Family

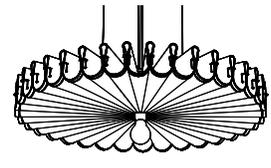
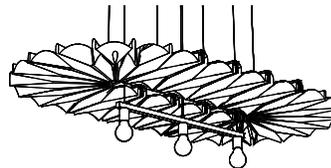
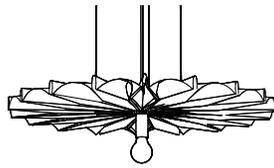
## Models

**BuzziPleat Light Edel**

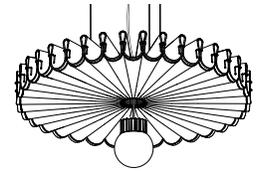
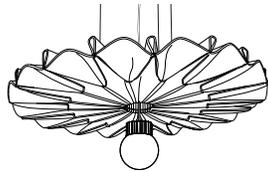
**BuzziPleat Light Edel Long**

**BuzziPleat Light Ripple**

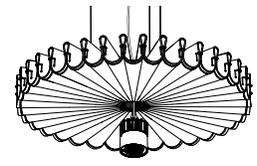
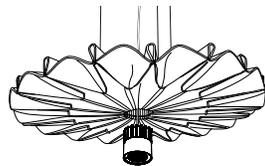
**Retrofit E27  
(bulb excluded)**



**LED Solo Globe**

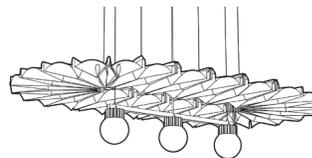


**LED Solo Spot**

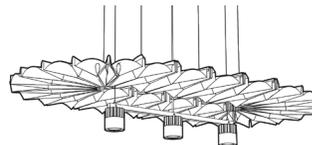


**Lighting Units**

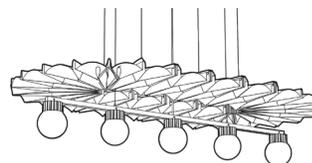
**LED Trio Globe**



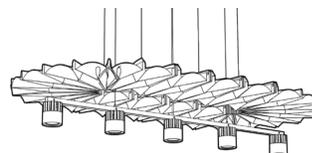
**LED Trio Spot**



**LED Quintet Globe**



**LED Quintet Spot**



Required order information

- |                                   |                    |
|-----------------------------------|--------------------|
| 1. Model                          | 5. Light Option    |
| 2. Size                           | 6. Mounting System |
| 3. BuzziFelt Color                | 7. Color Lace      |
| 4. Option Extra Layer BuzziFabric |                    |

# Lighting Data

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## Lighting Units

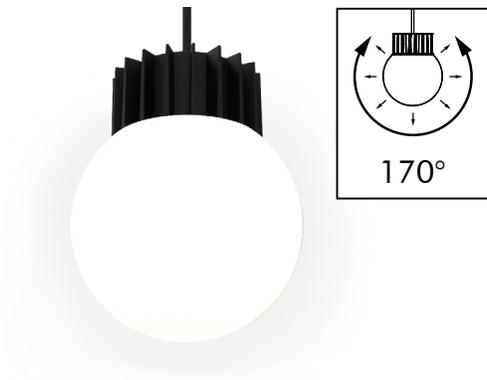
### Retrofit Lighting unit



BuzziSol Solo retrofit includes 1 x E27 fitting. (max.40W)  
BuzziSol Trio retrofit includes 3 x E27 fitting. (max.60W)  
Bulb Excluded

### LED

#### Globe



BuzziSol is a LED fixture consisting of 1 (BuzziProp Small) or 3 (BuzziProp Beam) powder-coated black heatsink with LED chip on board (COB) light source(s).  
The product can be finished with a frosted glass globe diffuser which spreads the light in a large beam angle of 170°, enlightening the surroundings or a reflector spot adaptor directing the light with a beam angle of 38° downwards.

#### Spot



# BuzziPleat Light

**Model: Edel | Ripple  
Medium | Large**

## Lighting Options

## Characteristics

## Mounting

Lighting Unit	Voltage Input	Technical	Visual	Options
Retrofit Solo	220-240V	Wattage: Max. 40W	Color: Power Cable: Black Ceiling Canopy: Black	

## Lighting Options

## Characteristics

## Mounting

Lighting Unit	Voltage Input	Color Temperature	UGR (Diffuser type)	Dimming	Technical	Visual	Options
LED Solo	220-240V	2700K 3000K 4000K	23 (Globe)	1-10V DALI	Power consumption: 20W Light output: 1500 Lm Efficacy: 75 Lm/W CRI: > 90	Color: Power Cable: Black Ceiling Canopy: Black	
			12 (Spot)	1-10V DALI	Power consumption: 20W Light output: 1500 Lm Efficacy: 75 Lm/W CRI: >w 90		

## Model: Light Edel Long Medium

## Lighting Options

## Characteristics

## Mounting

Lighting Unit	Voltage Input	Technical	Visual	Options
Retrofit Trio	220 - 240V	Wattage: 3 x Max. 60W	Color: Power Cable: Black Ceiling Canopy: Black	2 cables of 2 m or 5 m Alu or Black

## Lighting Options

## Characteristics

## Mounting

Lighting Unit	Voltage Input	Color Temperature	UGR (Diffuser type)	Dimming	Technical	Visual	Options
LED Trio	220 - 240V	2700K 3000K 4000K	23 (Globe)	1-10V DALI	Power consumption: 60W Light output: 3 x1500 Lm Efficacy: 92 Lm/W CRI: > 90	Color: Power Cable: Black Ceiling Canopy: Black	2 cables of 2 m or 5 m Alu or Black
			12 (Spot)	1-10V DALI	Power consumption: 60W Light output: 3 x1500 Lm Efficacy: 92 Lm/W CRI: > 90		

## Model: Light Edel Long Medium

### Lighting Options

### Characteristics

### Mounting

Lighting Unit	Voltage Input	Color Temperature	UGR (Diffuser type)	Dimming	Technical	Visual	Options
LED Quintet	220 - 240V	2700K 3000K 4000K	23 (Globe)	1-10V DALI	Power consumption: 90W Light output: 5 x 1500 Lm Efficacy: 92 Lm/W CRI: > 90	Color: Power Cable: Ceiling Canopy: Black	2 cables of 2 m or 5 m Alu or Black
			12 (Spot)	1-10V DALI	Power consumption: 90W Light output: 5 x 1500 Lm Efficacy: 92 Lm/W CRI: > 90		

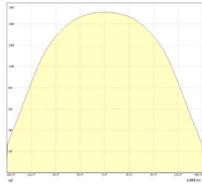


CE CB

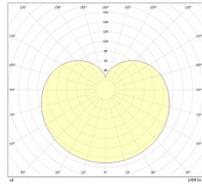
# Photometric Data

## BuzziPleat Light BuzziSol Solo

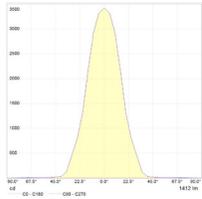
LED Solo Globe Cartesian diagram



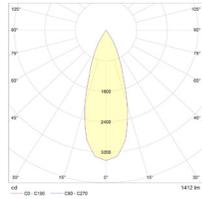
LED Solo Globe Polar curve



LED Solo Spot Cartesian diagram

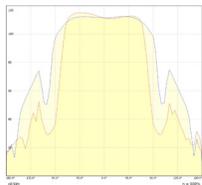


LED Solo Spot Polar curve

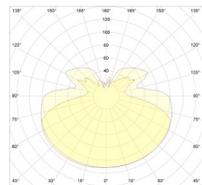


## BuzziPleat Light BuzziSol Trio

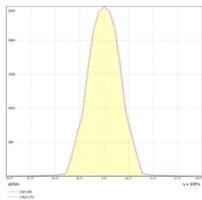
LED Trio Globe Cartesian diagram



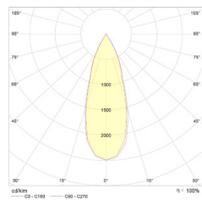
LED Trio Globe Polar curve



LED Trio Spot Cartesian diagram

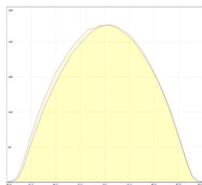


LED Trio Spot Polar curve

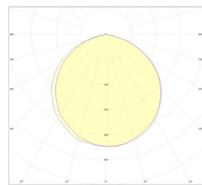


## BuzziPleat Light BuzziSol Quintet

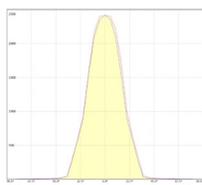
LED Quintet Globe Cartesian diagram



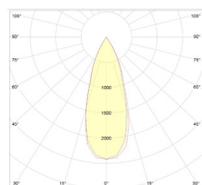
LED Quintet Globe Polar curve



LED Quintet Spot Cartesian diagram



LED Quintet Spot Polar curve



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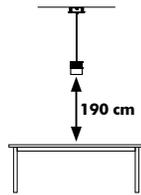
## Tips and Tricks - Light Options

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

### BuzziPleat Light BuzziSol Solo

#### Solo Spot

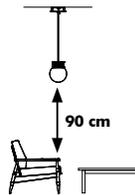
Office,  
Meeting room



500 Lux

#### Solo Globe

Office,  
Meeting room

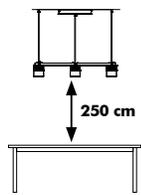


100 Lux

### BuzziPleat Light BuzziSol Trio

#### Trio Spot

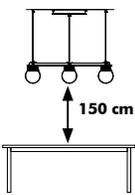
Office,  
Meeting room



500 Lux

#### Trio Globe

Office,  
Meeting room

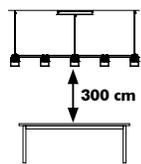


500 Lux

### BuzziPleat Light BuzziSol Quintet

#### Quintet Spot

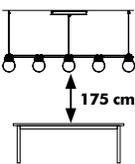
Office  
Meeting room



500 Lux

#### Quintet Globe

Office,  
Meeting room



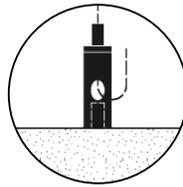
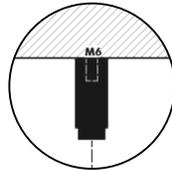
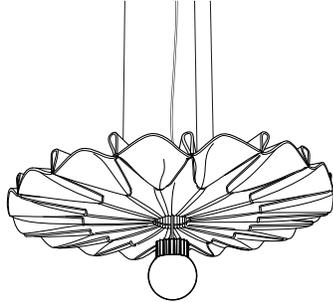
500 Lux

\* According to EN12464

# Product Data

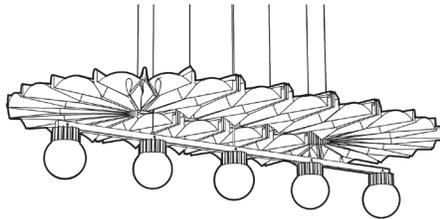
## Fixing System

### Fixing System Acoustic Panel



BuzziPleat Light Edel and Ripple are suspended on 3 cables of 2 or 5 m black or alu colored cables, with fixing system screw.

BuzziPleat Light Edel Long is suspended on 4 cables of 2 or 5 m black or alu colored cables, with fixing system screw.



### Fixing System Lighting

The light element of BuzziPleat Light Edel Long is suspended independently from the acoustic panel with 2 cables of 2 – 5 m black or alu colored cables, with fixing system screw.

▲ If installing on suspended ceiling, verify load capacity prior to installation. Ensure a min distance of 10 cm between the felt shade and the LED luminaire.

## Acoustic Panel



The acoustic panel consists of one layer of BuzziFelt, with an OffWhite or Black lace.

The lightweight sculptural shade is created by pleating or smocking sound absorbing BuzziFelt.

The architectural folds maximize surface area, delivering exceptional acoustic performance.



Absorption



Diffusion



Mid tone



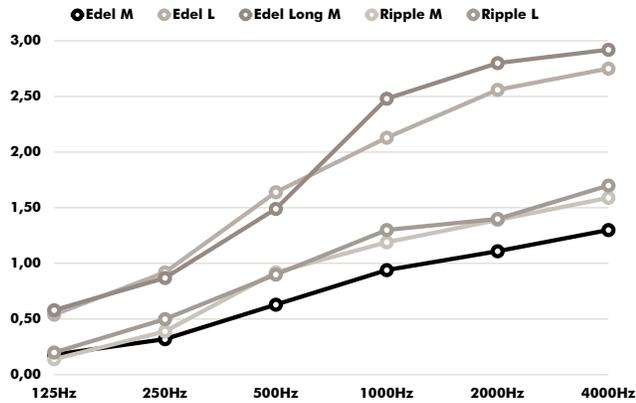
High tone

Optional: an extra layer of BuzziFabric can be added on 1 side (only in combination with OffWhite or Anthracite Felt).

# Acoustics Data

## BuzziPleat Ceiling Suspended

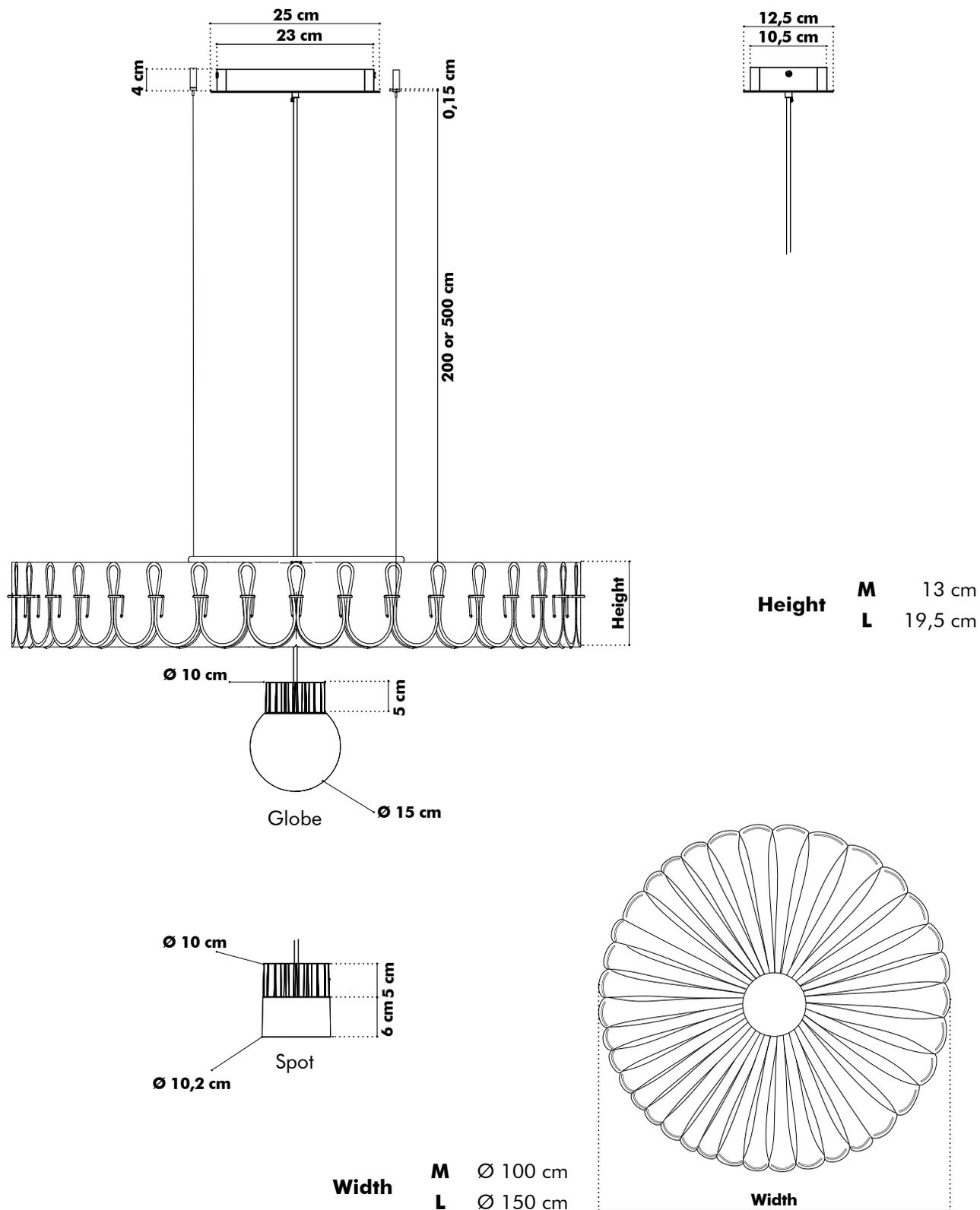
### Equivalent sound absorption area in m<sup>2</sup> per object



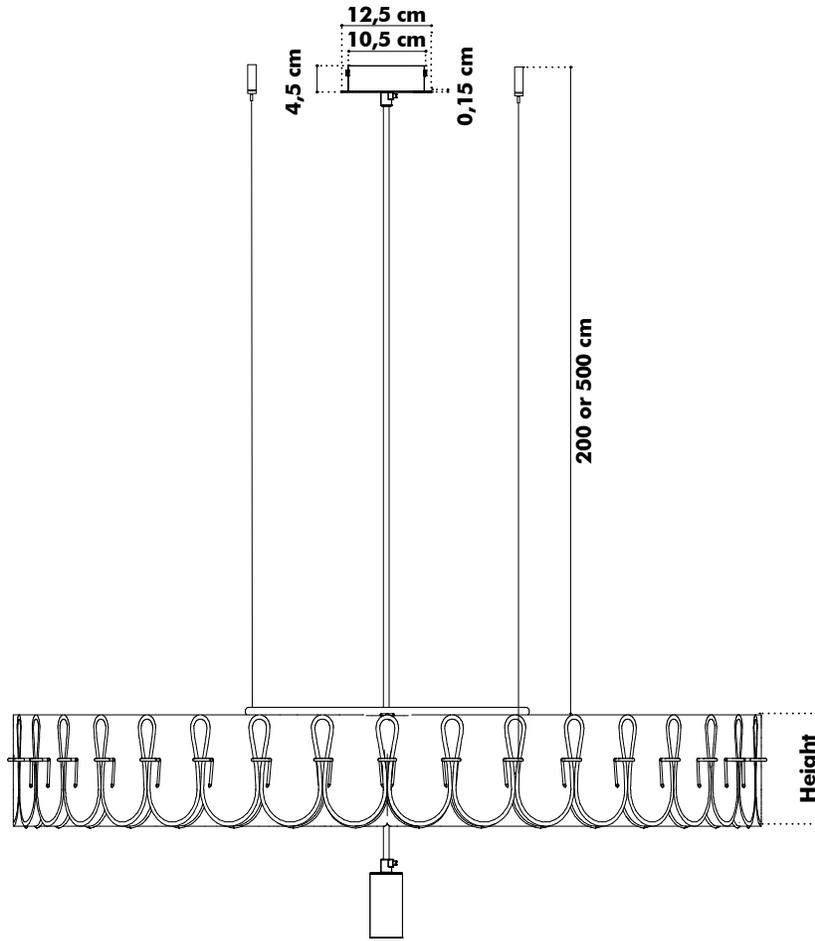
Hz	Edel M Aeq/m <sup>2</sup>	Edel L Aeq/m <sup>2</sup>	Edel Long M Aeq/m <sup>2</sup>	Ripple M Aeq/m <sup>2</sup>	Ripple L Aeq/m <sup>2</sup>
125	0.18	0.54	0.58	0.14	0.20
250	0.32	0.92	0.87	0.39	0.50
500	0.63	1.64	1.49	0.92	0.90
1000	0.94	2.13	2.48	1.19	1.30
2000	1.11	2.56	2.80	1.39	1.40
4000	1.30	2.75	2.92	1.59	1.70

# Dimensions

## BuzziPleat Light Ripple LED

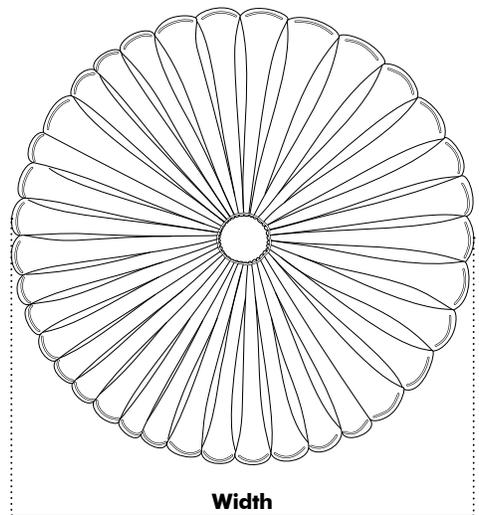


## BuzziPleat Light Ripple Retrofit

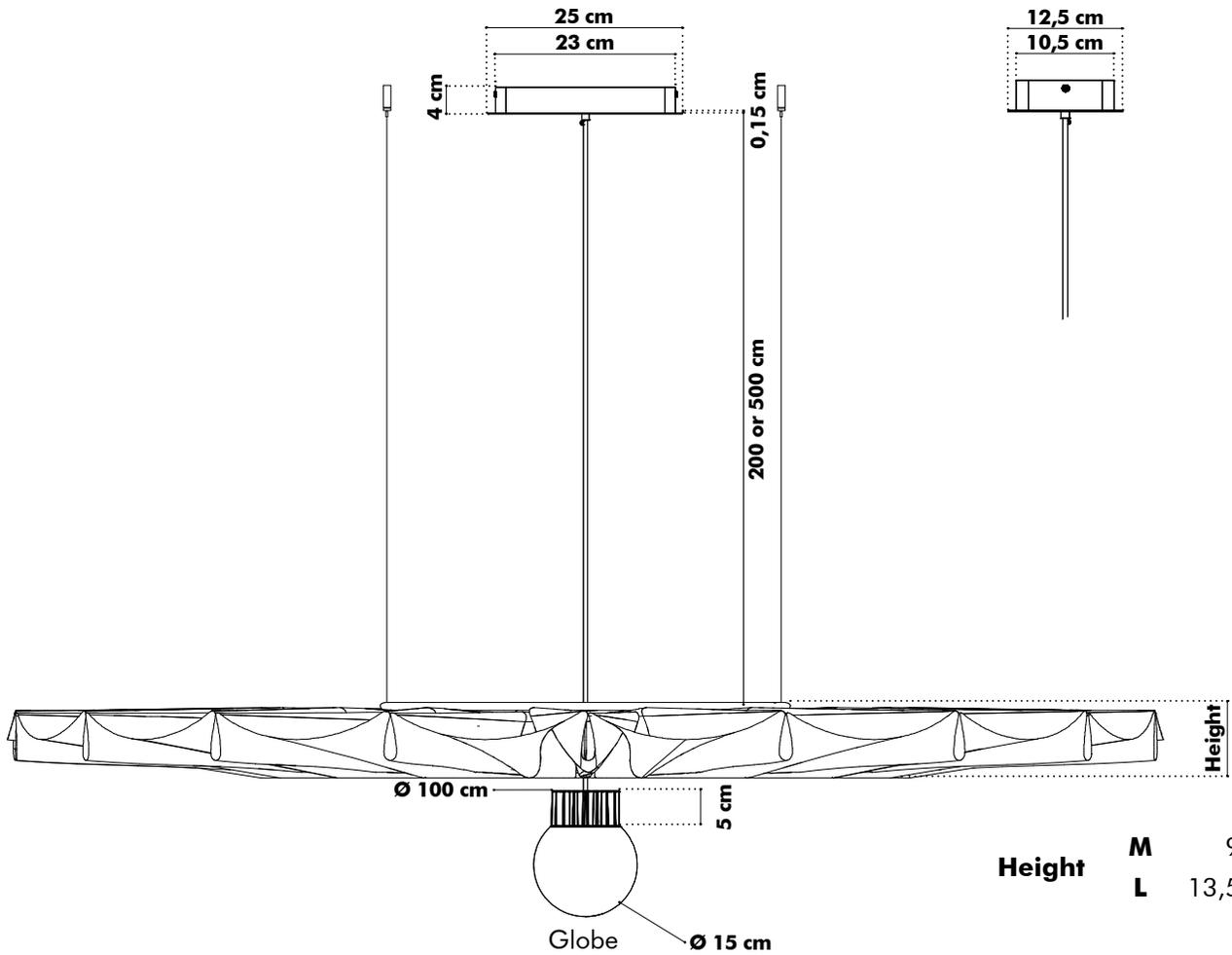


Height	M	L
	13 cm	19,5 cm

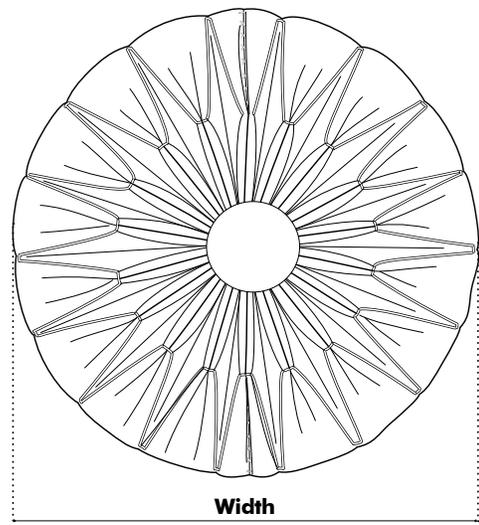
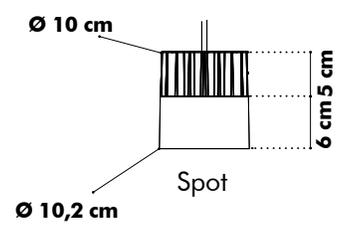
Width	M	L
	Ø 100 cm	Ø 150 cm



# BuzziPleat Light Edel LED

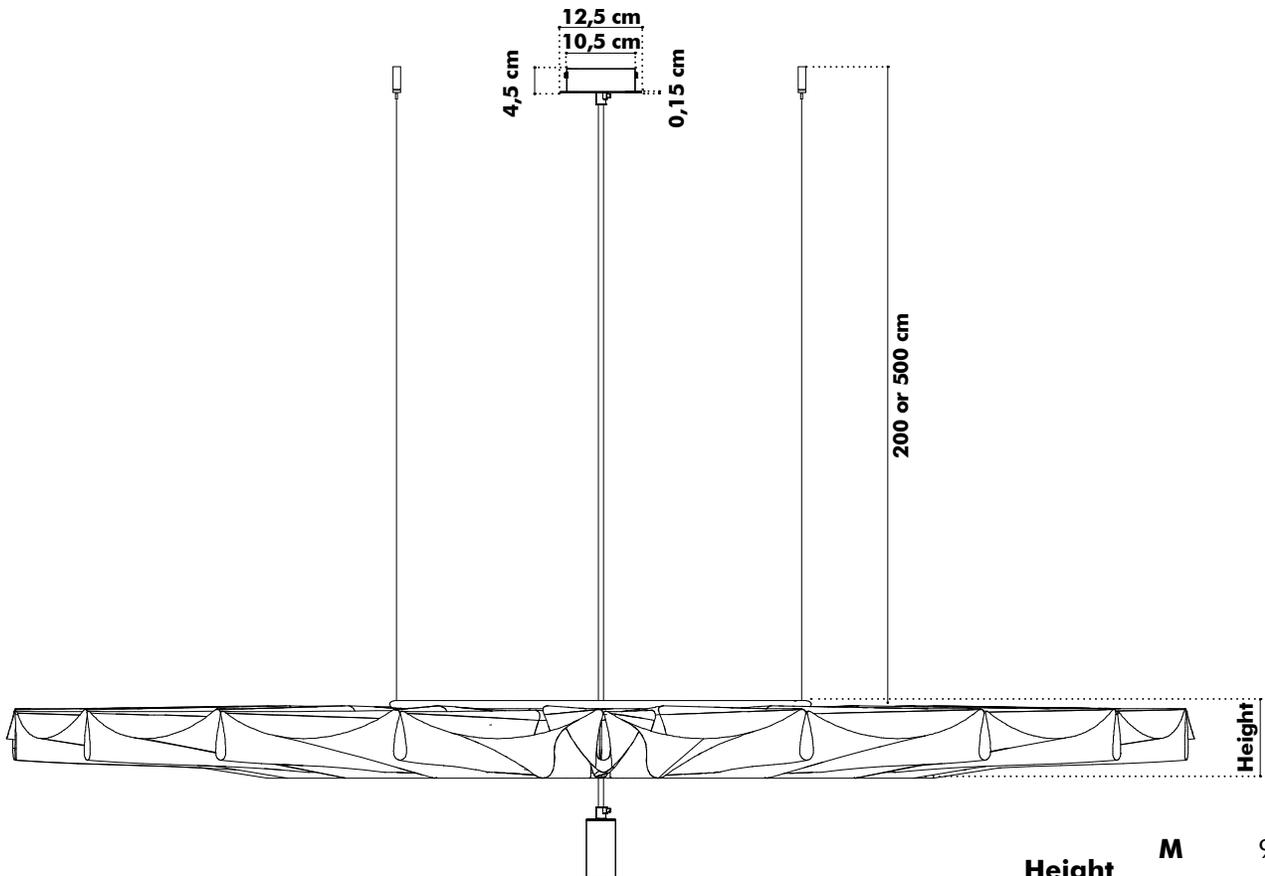


<b>Height</b>	<b>M</b>	9 cm
	<b>L</b>	13,5 cm



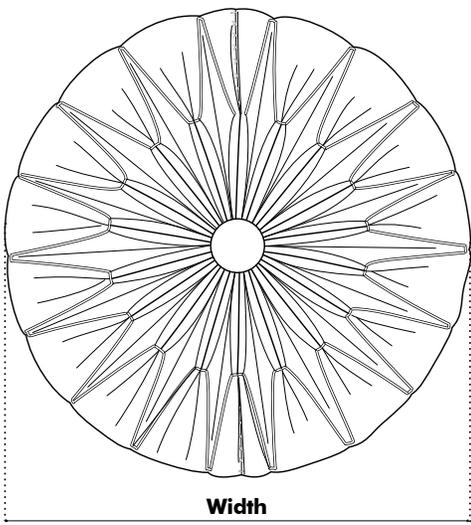
<b>Width</b>	<b>M</b>	Ø 100 cm
	<b>L</b>	Ø 150 cm

**BuzziPleat Light Edel Retrofit**

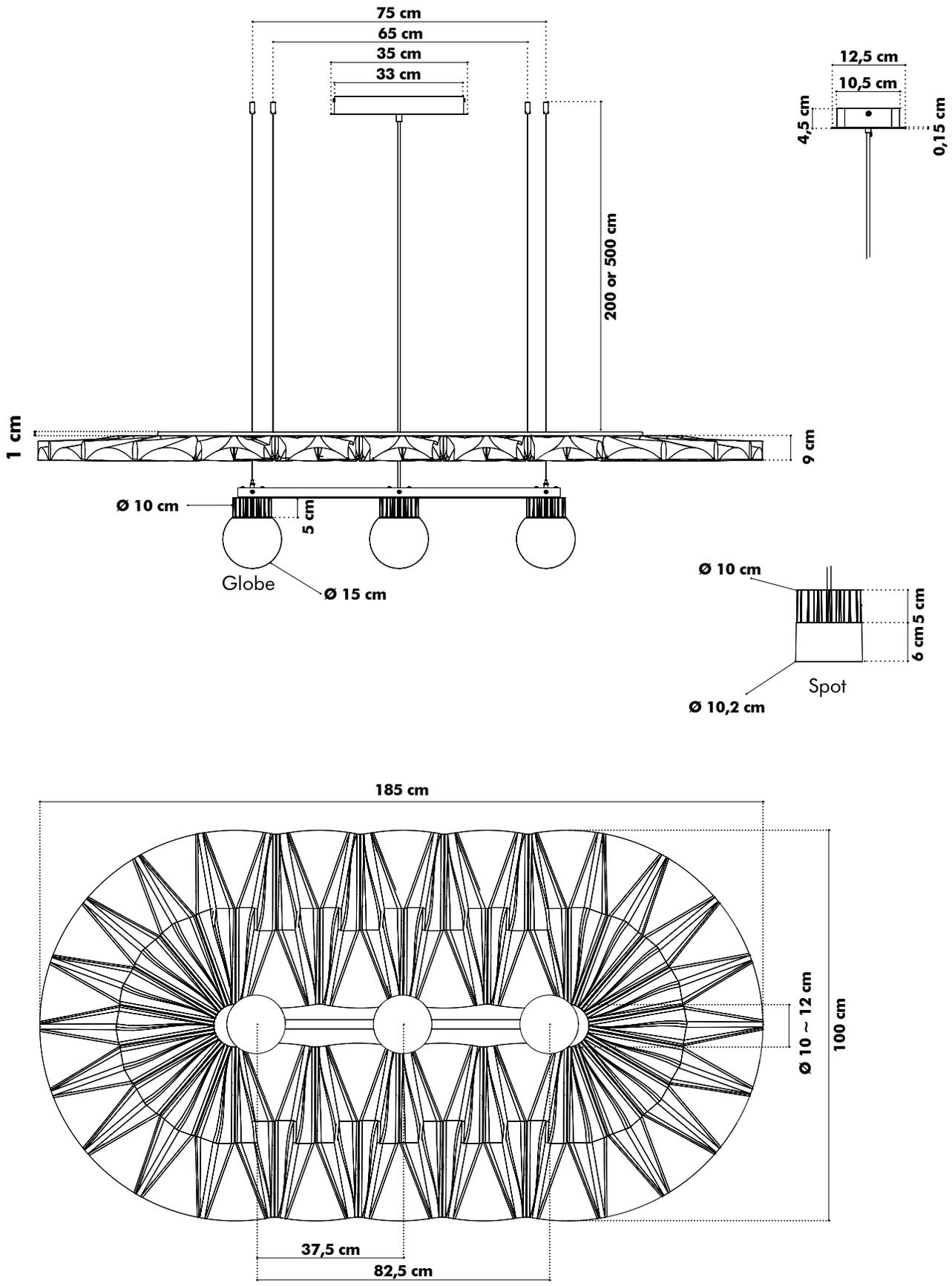


<b>Height</b>	<b>M</b>	9 cm
	<b>L</b>	13,5 cm

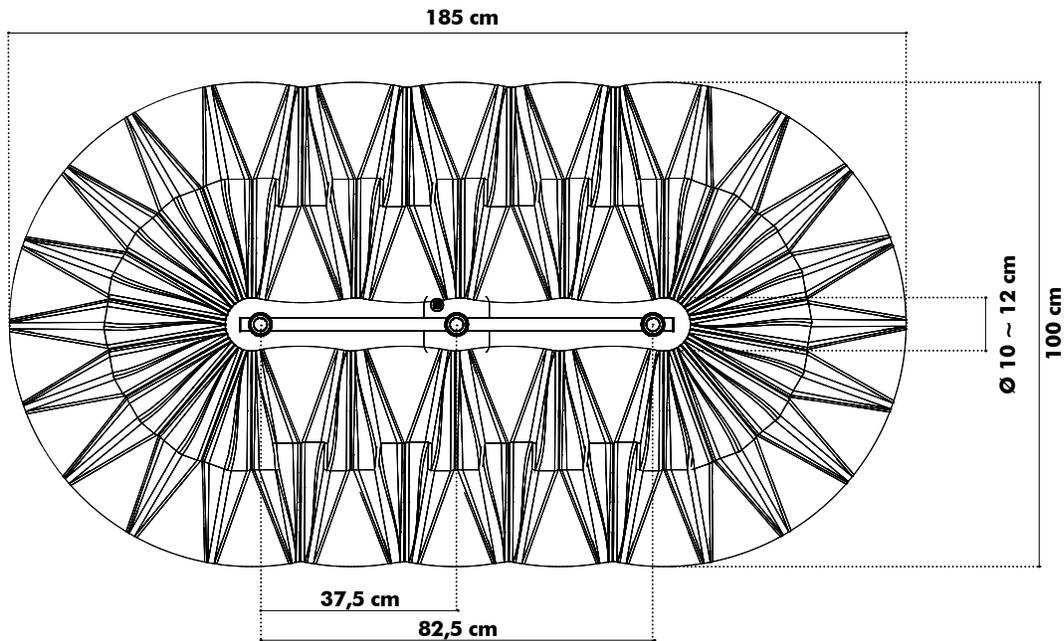
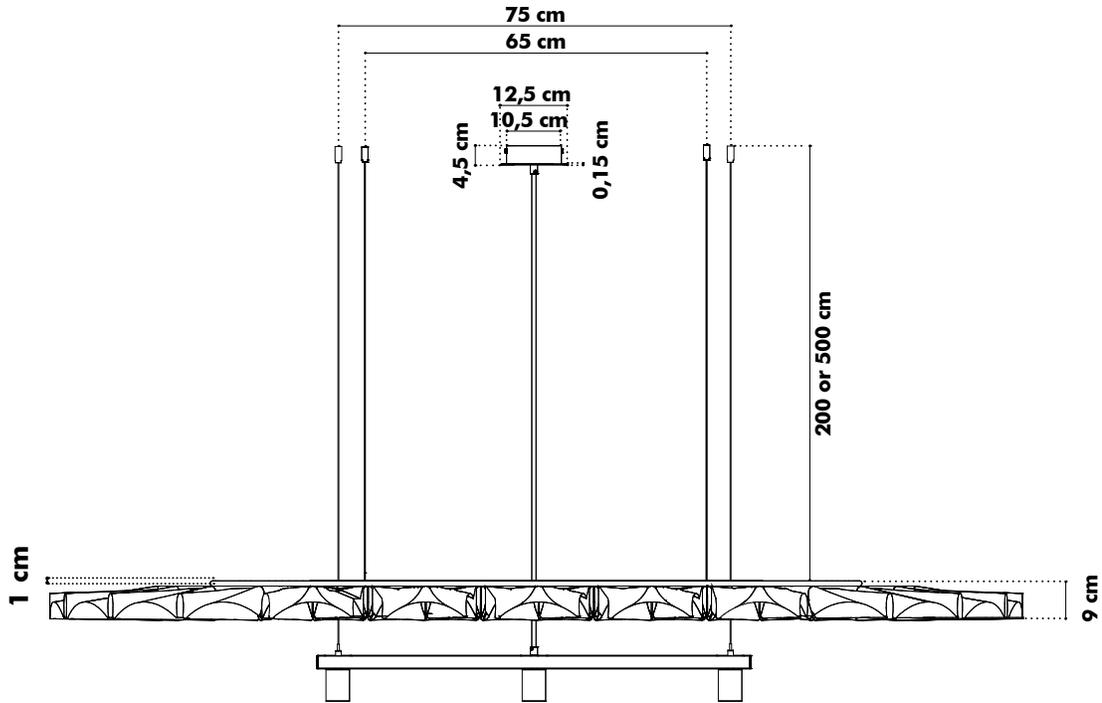
<b>Width</b>	<b>M</b>	Ø 100 cm
	<b>L</b>	Ø 150 cm



# BuzziPleat Light Edel Long Trio LED



**BuzziPleat Light Edel Long Trio Retrofit**

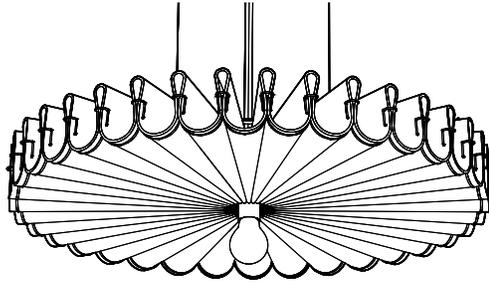




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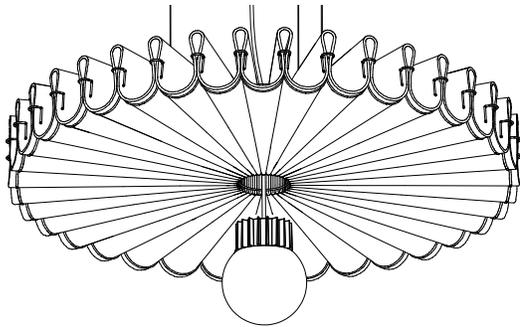
## Weights

### BuzziPleat Light Ripple Medium | Large BuzziSol Solo Retrofit



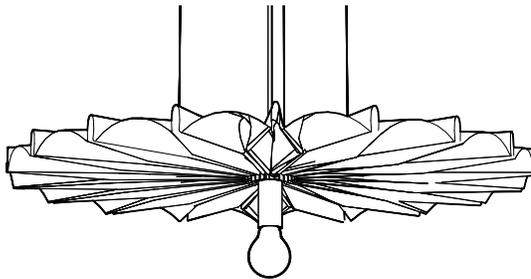
⚖ Medium: 6.3 kg  
Large: 12 kg

### BuzziPleat Light Ripple Medium | Large BuzziSol Solo LED



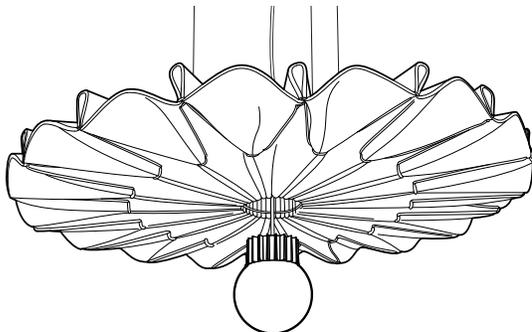
⚖ Medium: 6,7 kg  
Large: 12,4 kg

### BuzziPleat Light Edel Medium | Large BuzziSol Solo Retrofit



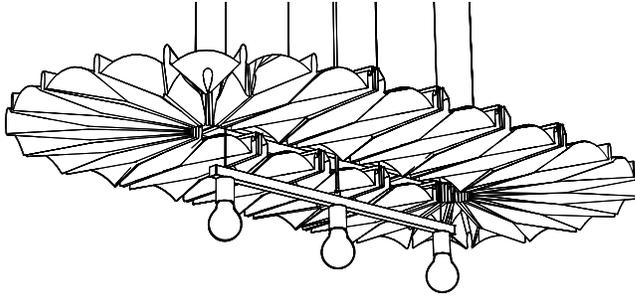
⚖ Medium: 5,3 kg  
Large: 10 kg

### BuzziPleat Light Edel Medium | Large BuzziSol Solo LED



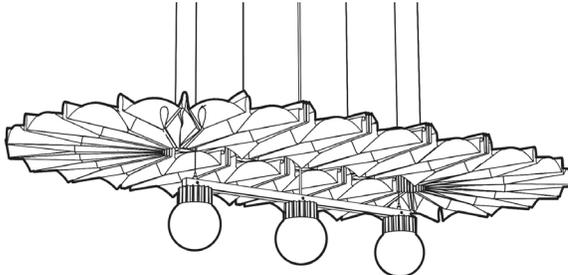
⚖ Medium: 5,7 kg  
Large: 10,4 kg

**BuzziPleat Light Edel Long Trio BuzziSol Trio Retrofit**



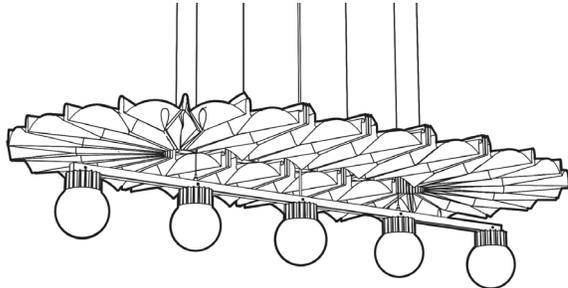
11.6 kg

**BuzziPleat Light Edel Long Trio BuzziSol Trio LED**



14 kg

**BuzziPleat Light Edel Long Quintet BuzziSol Quintet LED**



16,5 kg

# Fabrics

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## Felt

**Composition** 100% Recycled P.E.T. Felt

**Weight** 1.000 g/m<sup>2</sup> | 29.49 oz/yd<sup>2</sup>

**Abrasion resistance** >7.000 Martindale

**Flammability** EU: EN 13501.1 + A1/2009 Class B-s1,d0  
USA: ASTM E84 Class A certified

**Fastness to light** USA 5



FE-OffWhite 63\*



FE-StoneGrey 67



FE-Anthracite 68\*

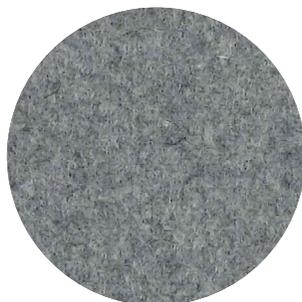


FE-LightBlue 60

\*Extra layer BuzziFabric Possible

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## Fabric (45 colors)



**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

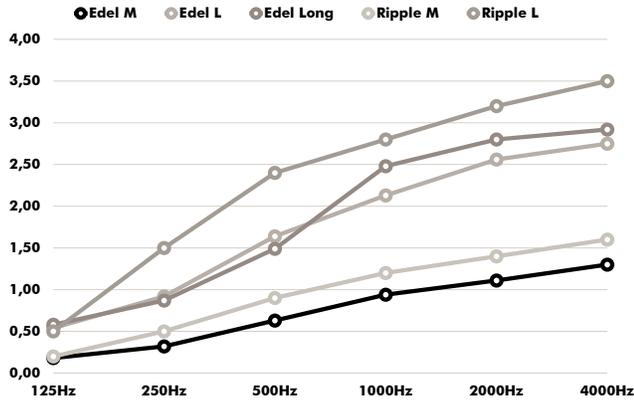
**Fastness to crocking** USA: Wet 5 | Dry 5



# Acoustics

## BuzziPleat Ceiling

Equivalent sound absorption area in m<sup>2</sup> per object



Hz	Edel M Aeq/m <sup>2</sup>	Edel L Aeq/m <sup>2</sup>	Edel Long M Aeq/m <sup>2</sup>	Ripple M Aeq/m <sup>2</sup>	Ripple L Aeq/m <sup>2</sup>
125	0.18	0.54	0.58	0.20	0.50
250	0.32	0.92	0.87	0.50	1.50
500	0.63	1.64	1.49	0.90	2.40
1000	0.94	2.13	2.48	1.20	2.80
2000	1.11	2.56	2.80	1.40	3.20
4000	1.30	2.75	2.92	1.60	3.50