Product Specification Sheet

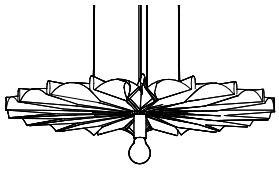
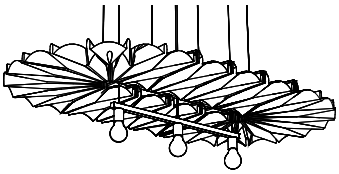
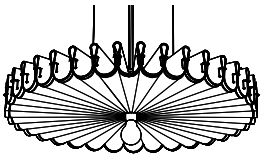
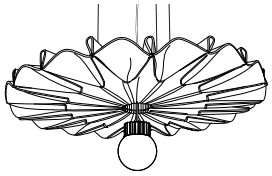
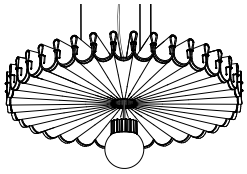
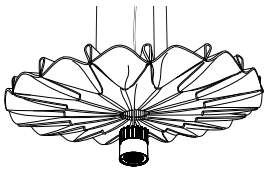
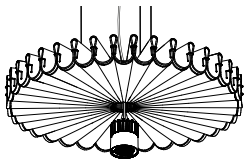
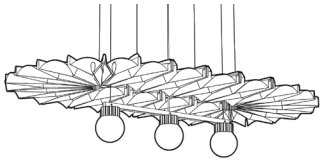
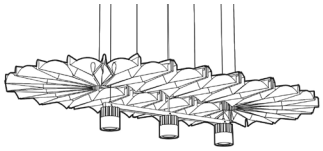
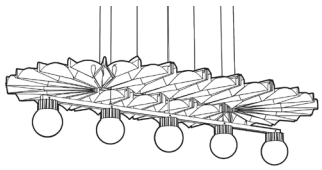
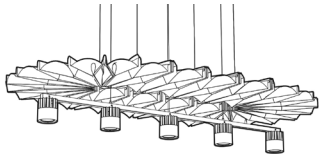
BuzziPleat Light EU

— 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

Lighting Units	BuzziPleat Light Edel	BuzziPleat Light Edel Long	BuzziPleat Light Ripple
Retrofit E27 (bulb excluded)			
LED Solo Globe			
LED Solo Spot			
LED Trio Globe			
LED Trio Spot			
LED Quintet Globe			
LED Quintet Spot			

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

Lighting Data

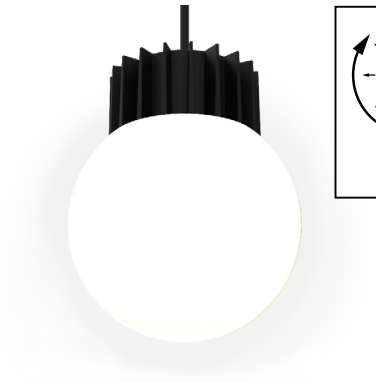
Lighting Units

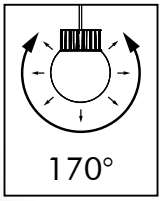
Retrofit Lighting unit

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

LED

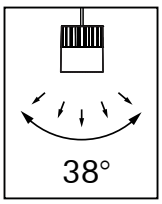
Globe





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°, enlighting 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	1 cable 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 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	1 cable of 2 m or 5 m Alu or 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	4 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	4 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

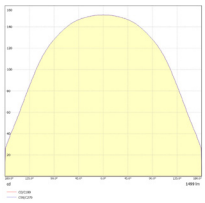
Lighting Options					Characteristics		Mounting
Lighting Unit	**Voltage Input**	**Color Temperature**	**UGR (Diffuser type)**	**Dimming**	**Technical**	**Visual**	**Options**
LED Quintet	220 - 240V	2700K 3000K 4000K	23 (Globe)	1-10V DALI	Power consumption: 90W Light output: 5 x 1500 Lm Efficacy: 92 Lm/W CRI: > 90	Color: Power Cable: Black Ceiling Canopy: Black	4 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

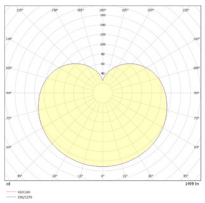
Photometric Data

BuzziPleat Light BuzziSol Solo

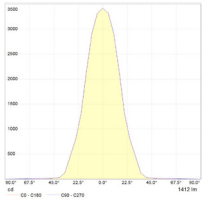
LED Solo Globe Cartesian diagram



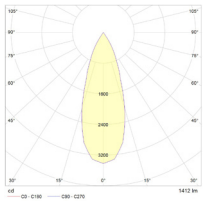
LED Solo Globe Polar curve



LED Solo Spot Cartesian diagram

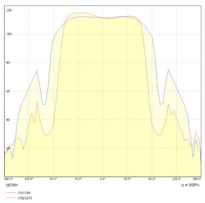


LED Solo Spot Polar curve

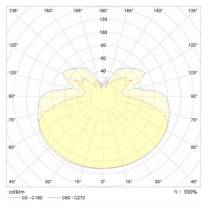


BuzziPleat Light BuzziSol Trio

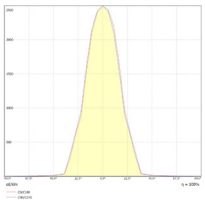
LED Trio Globe Cartesian diagram



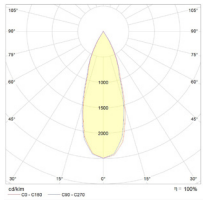
LED Trio Globe Polar curve



LED Trio Spot Cartesian diagram

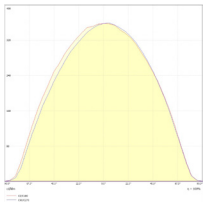


LED Trio Spot Polar curve

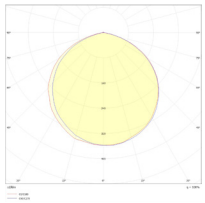


BuzziPleat Light BuzziSol Quintet

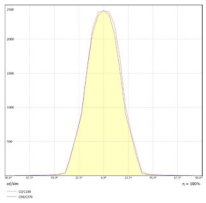
LED Quintet Globe Cartesian diagram



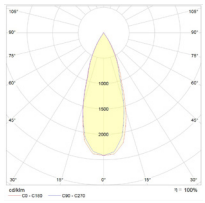
LED Quintet Globe Polar curve



LED Quintet Spot Cartesian diagram



LED Quintet Spot Polar curve



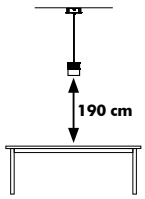
Tips and Tricks - Light Options

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

BuzziPleat Light BuzziSol Solo

Solo Spot

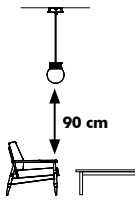
Office,
Meeting room



500 Lux

Solo Globe

Office,
Meeting room

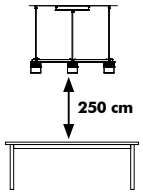


100 Lux

BuzziPleat Light BuzziSol Trio

Trio Spot

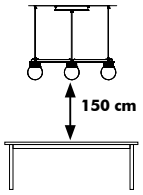
Office,
Meeting room



500 Lux

Trio Globe

Office,
Meeting room

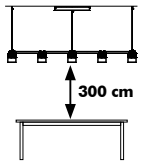


500 Lux

BuzziPleat Light BuzziSol Quintet

Quintet Spot

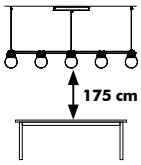
Office
Meeting room



500 Lux

Quintet Globe

Office,
Meeting room



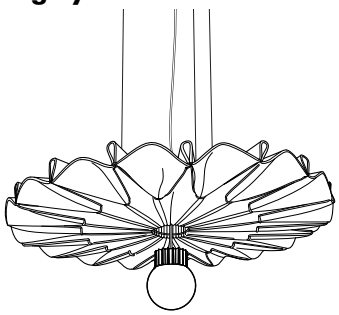
500 Lux

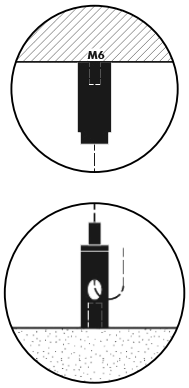
* According to EN12464

Product Data

Fixing System

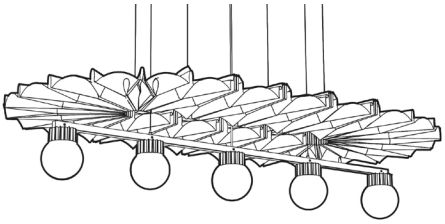
Fixing System Acoustic Panel





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

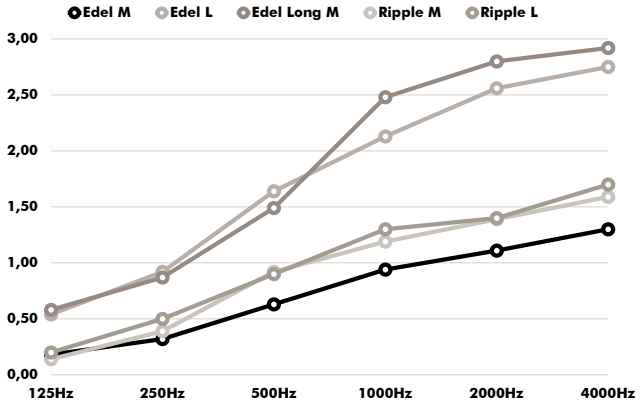
High tone

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

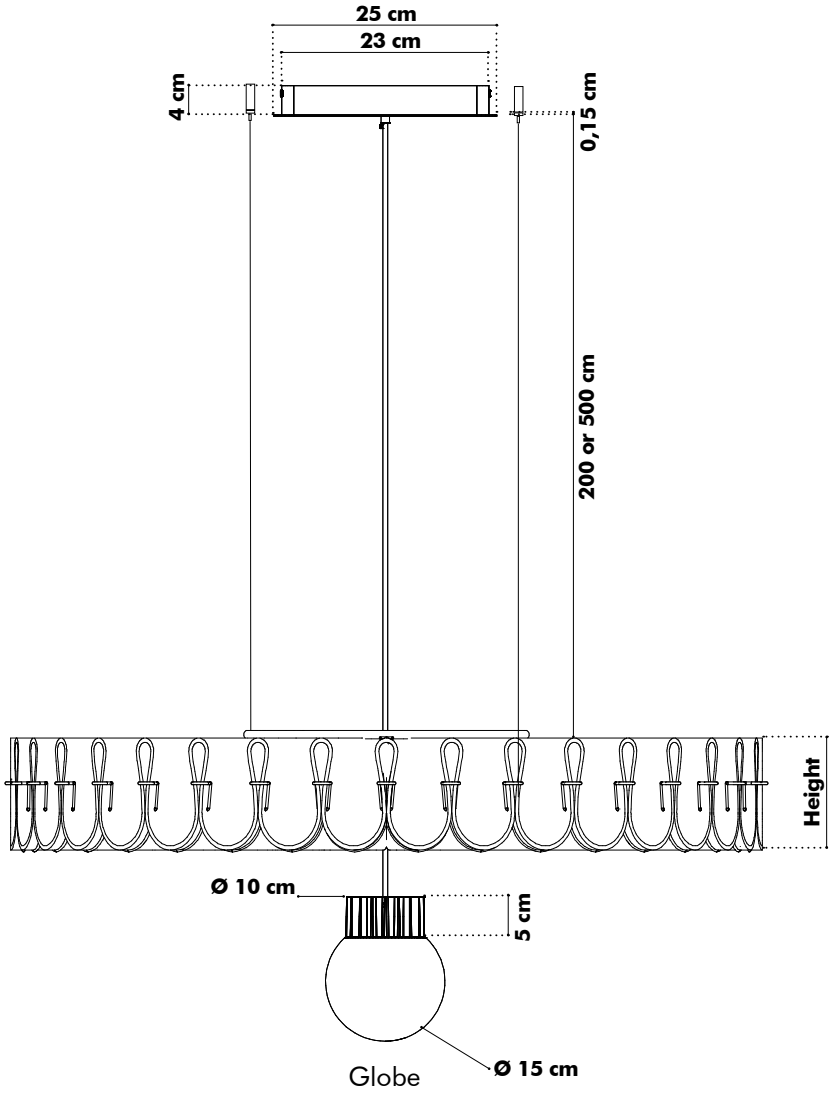
Equivalent sound absorption area in m² per object

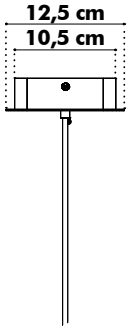


Hz	Edel M Aeq/m²	Edel L Aeq/m²	Edel Long M Aeq/m²	Ripple M Aeq/m²	Ripple L Aeq/m²
125	0.18	0.54	0.58	0.14	0.20
250	0.32	0.92	0.87	0.39	0.50
500	0.63	1.64	1.49	0.92	0.90
1000	0.94	2.13	2.48	1.19	1.30
2000	1.11	2.56	2.80	1.39	1.40
4000	1.30	2.75	2.92	1.59	1.70

Dimensions

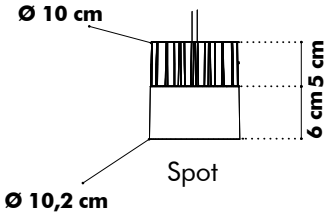
BuzziPleat Light Ripple LED

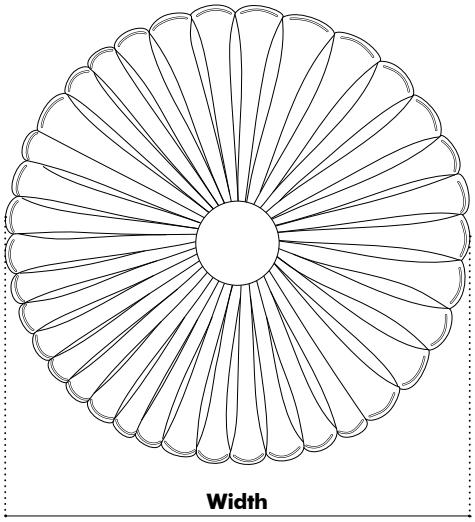




Height

M	13 cm
L	19,5 cm

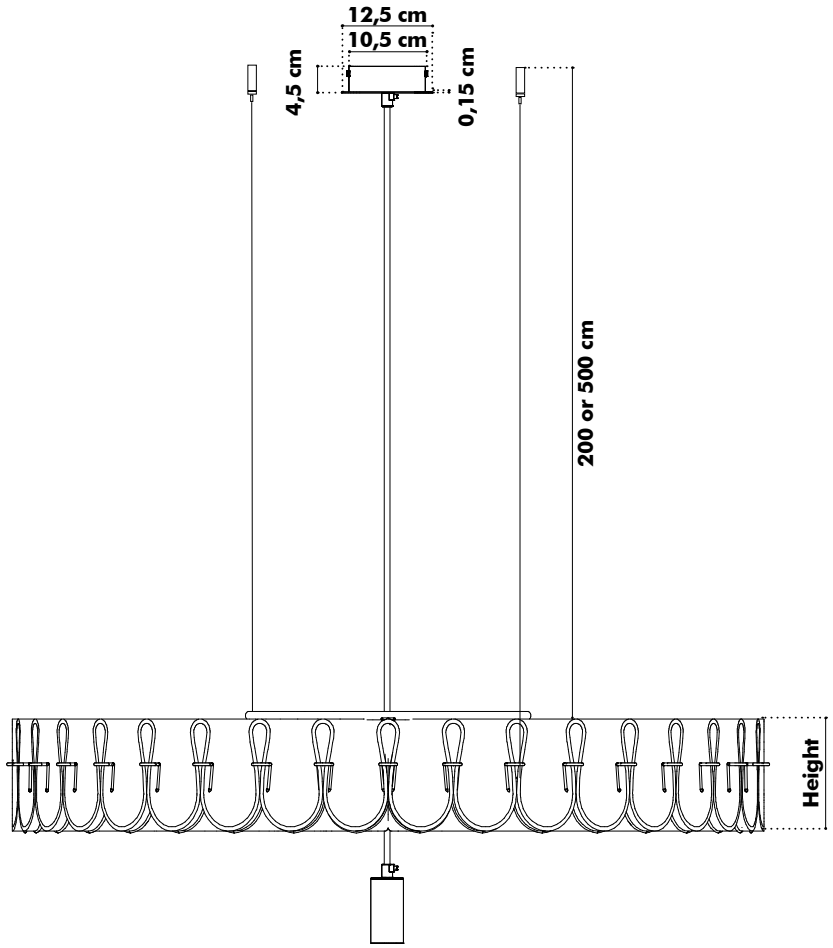




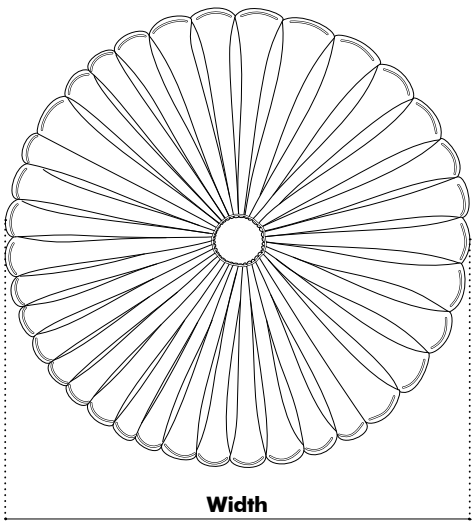
Width

M	∅ 100 cm
L	∅ 150 cm

BuzziPleat Light Ripple Retrofit

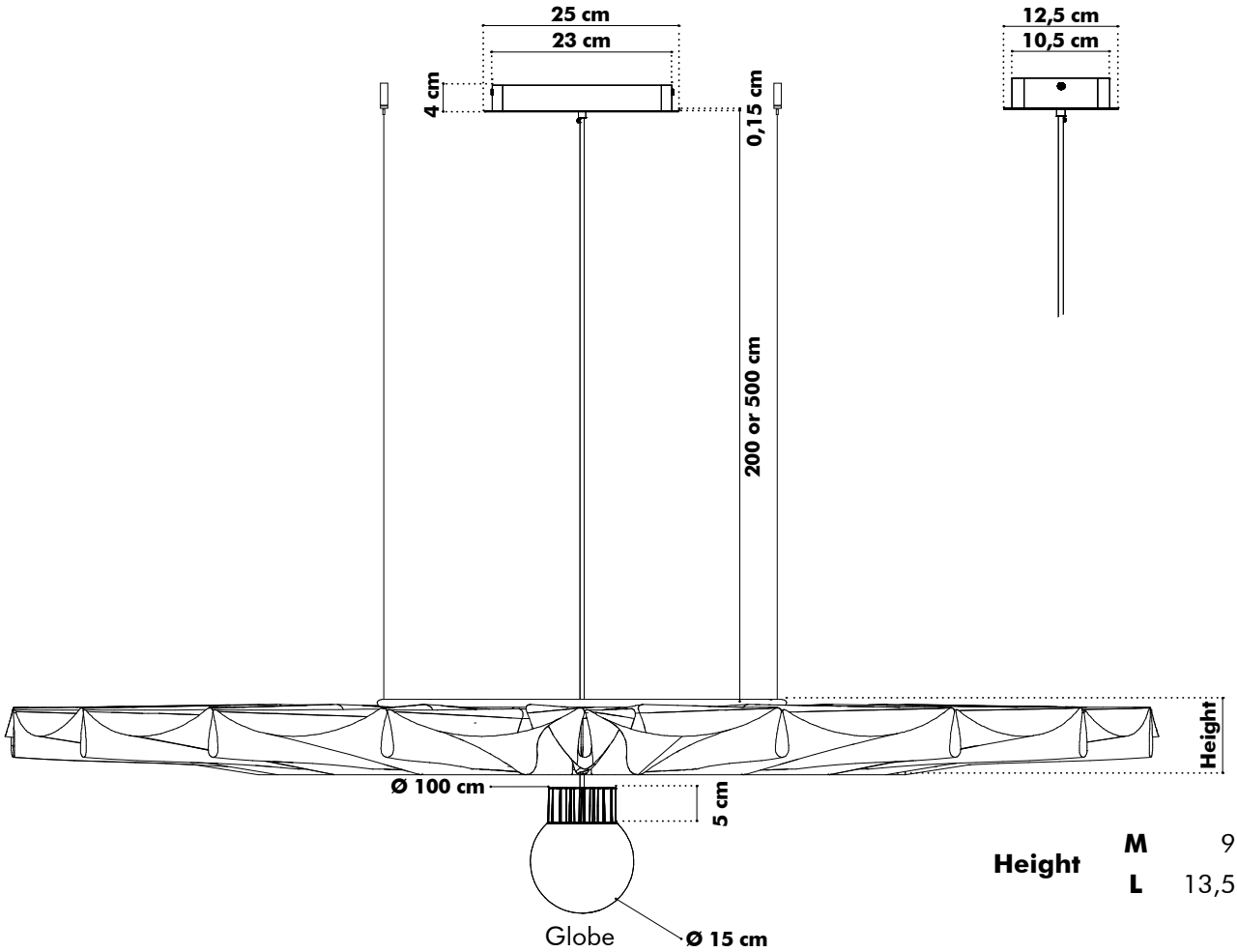


Height	**M**	13 cm
	L	19,5 cm



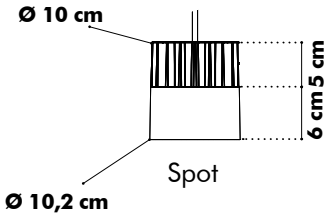
Width	**M**	∅ 100 cm
	L	∅ 150 cm

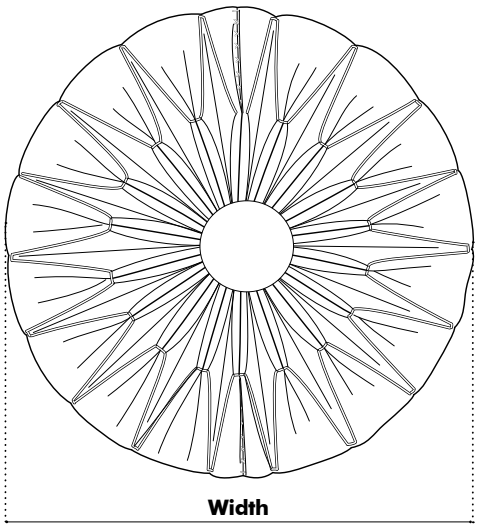
BuzziPleat Light Edel LED



Height

M	9 cm
L	13,5 cm

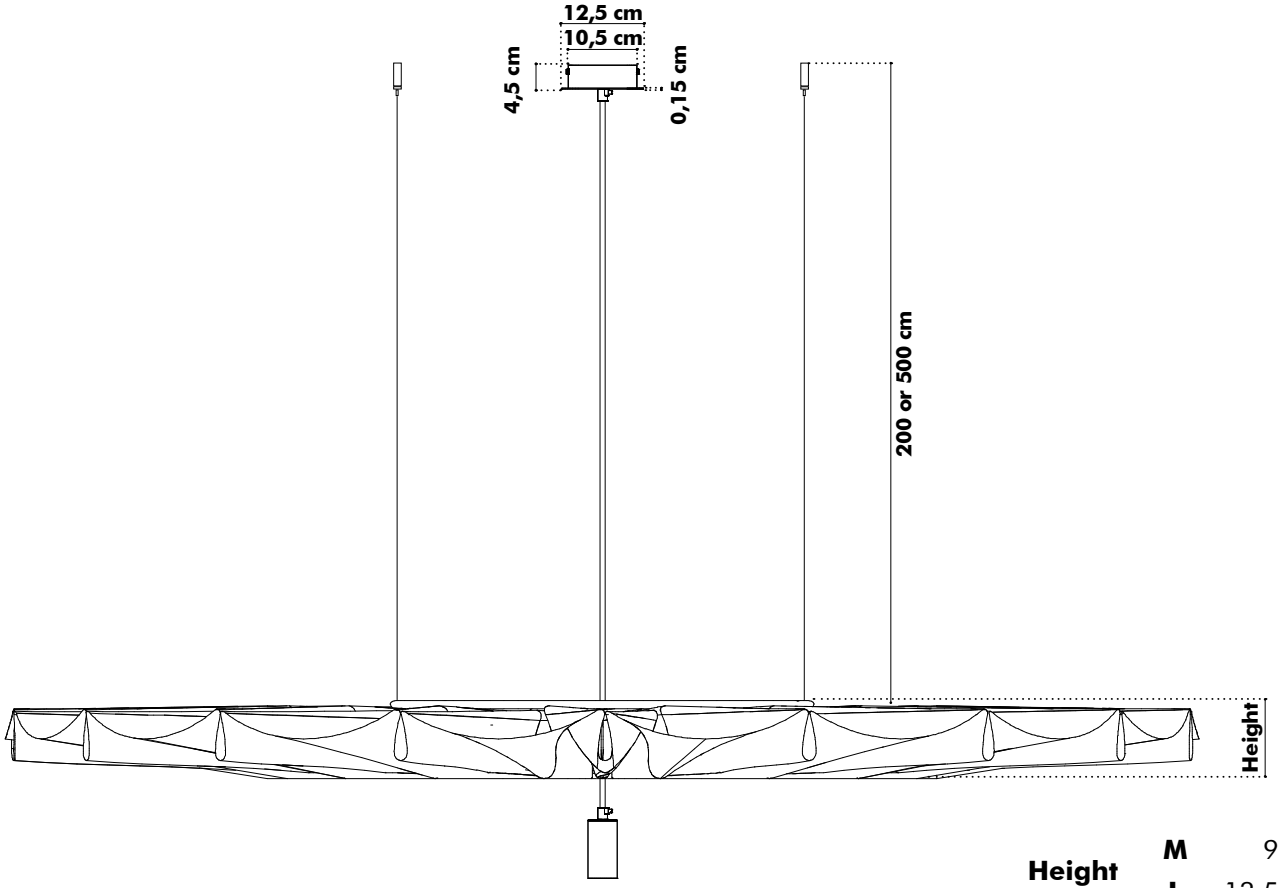




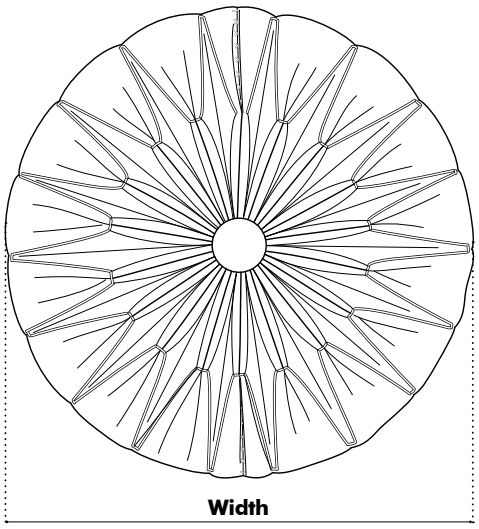
Width

M	Ø 100 cm
L	Ø 150 cm

BuzziPleat Light Edel Retrofit

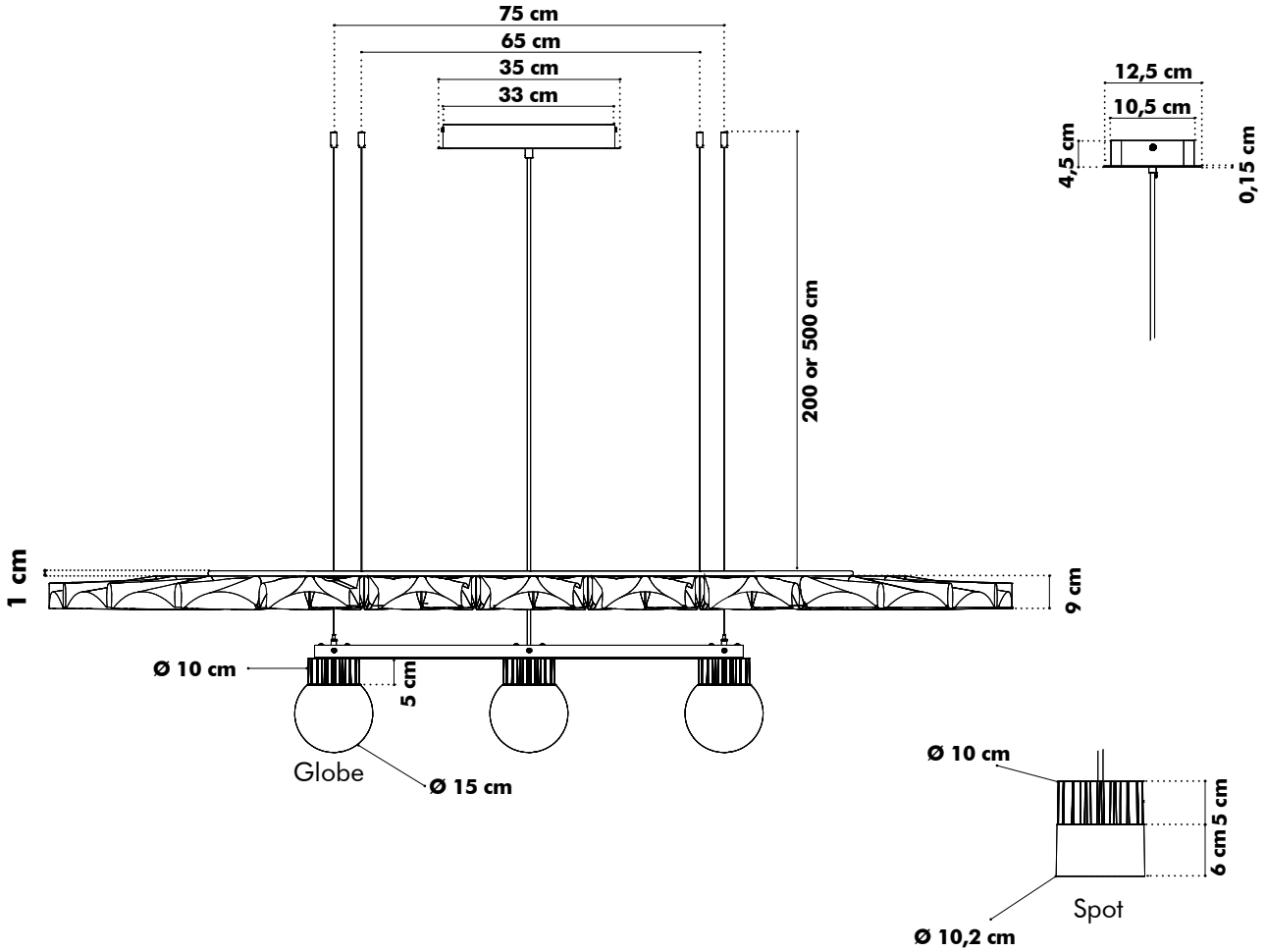


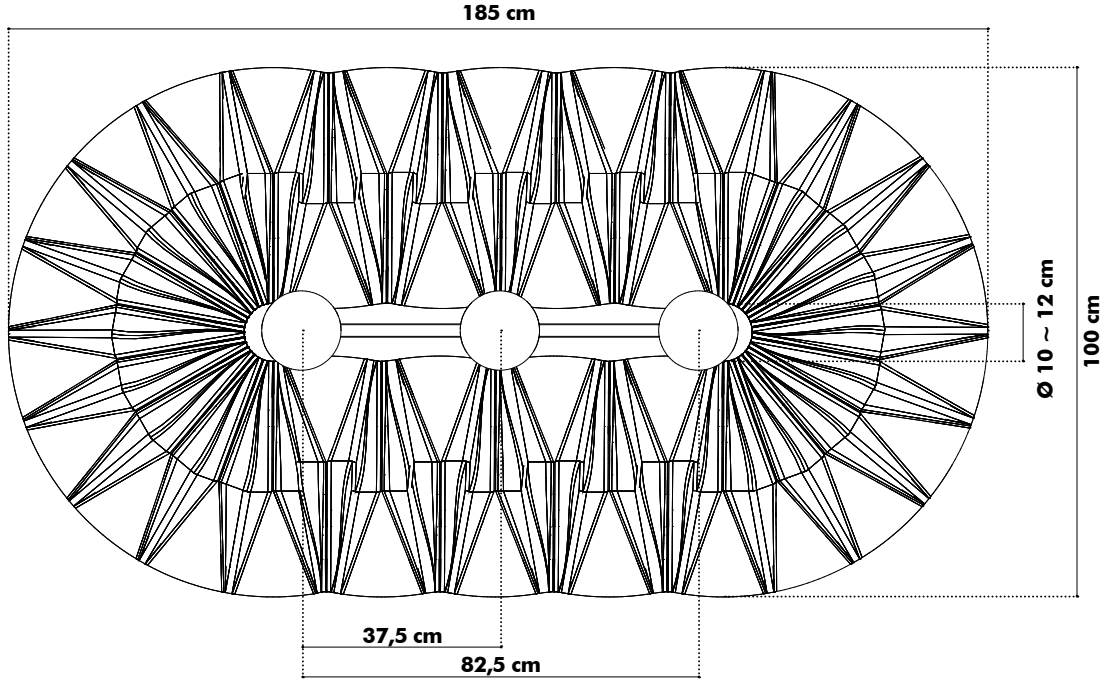
Height	**M**	9 cm
	L	13,5 cm



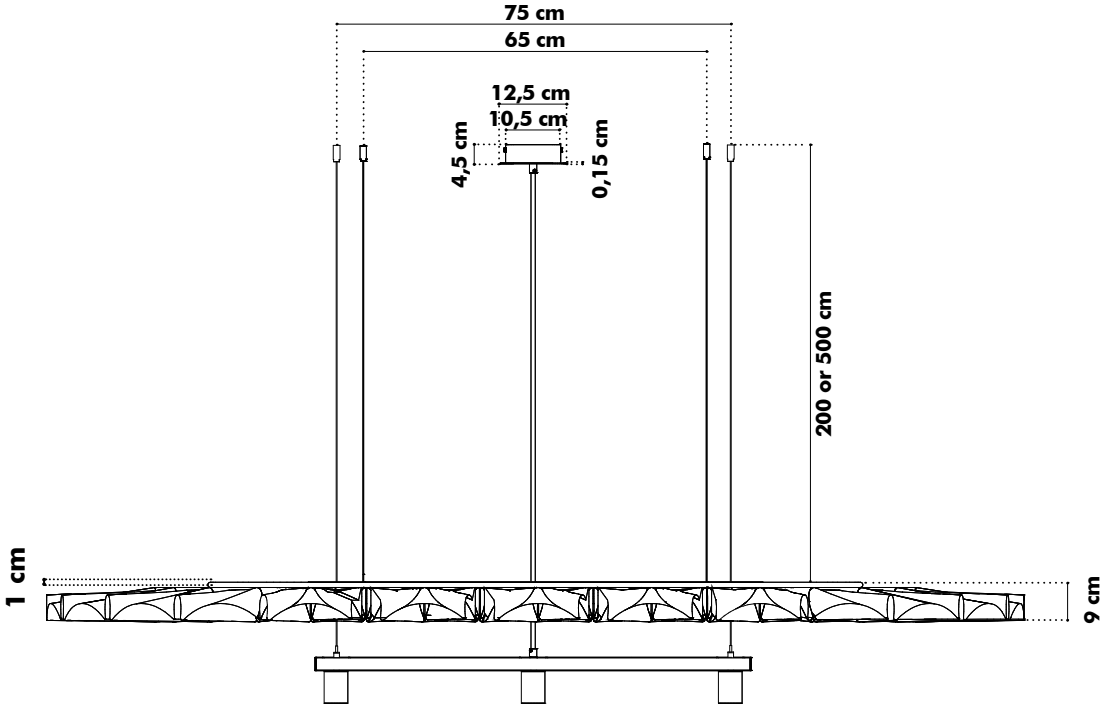
Width	**M**	Ø 100 cm
	L	Ø 150 cm

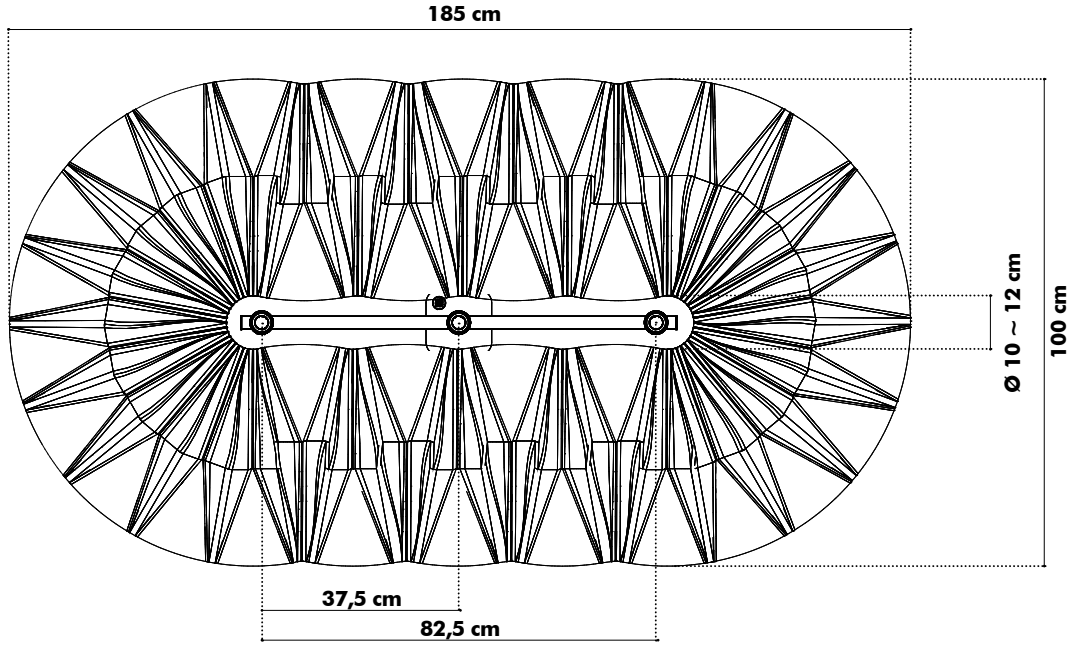
BuzziPleat Light Edel Long Trio LED



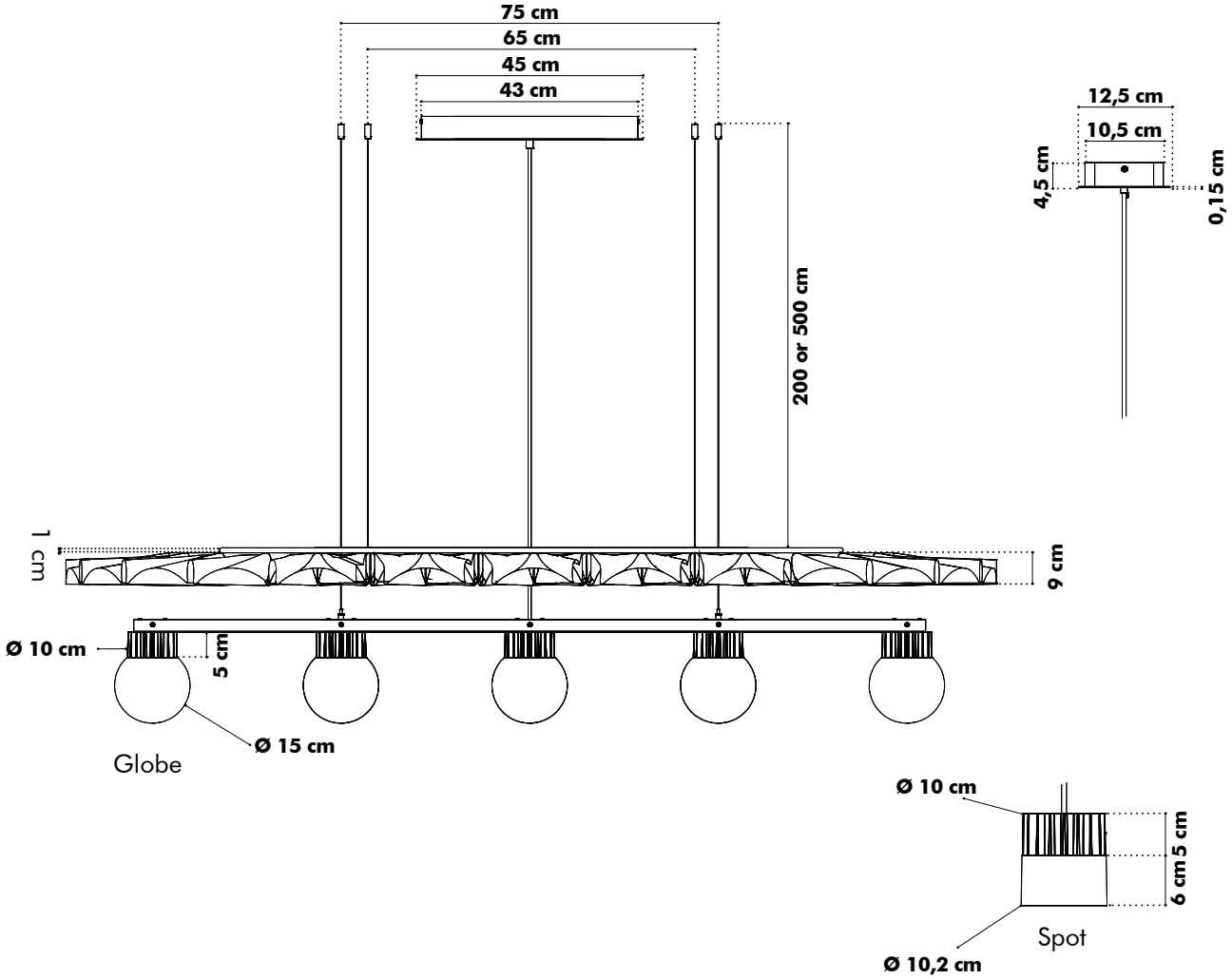


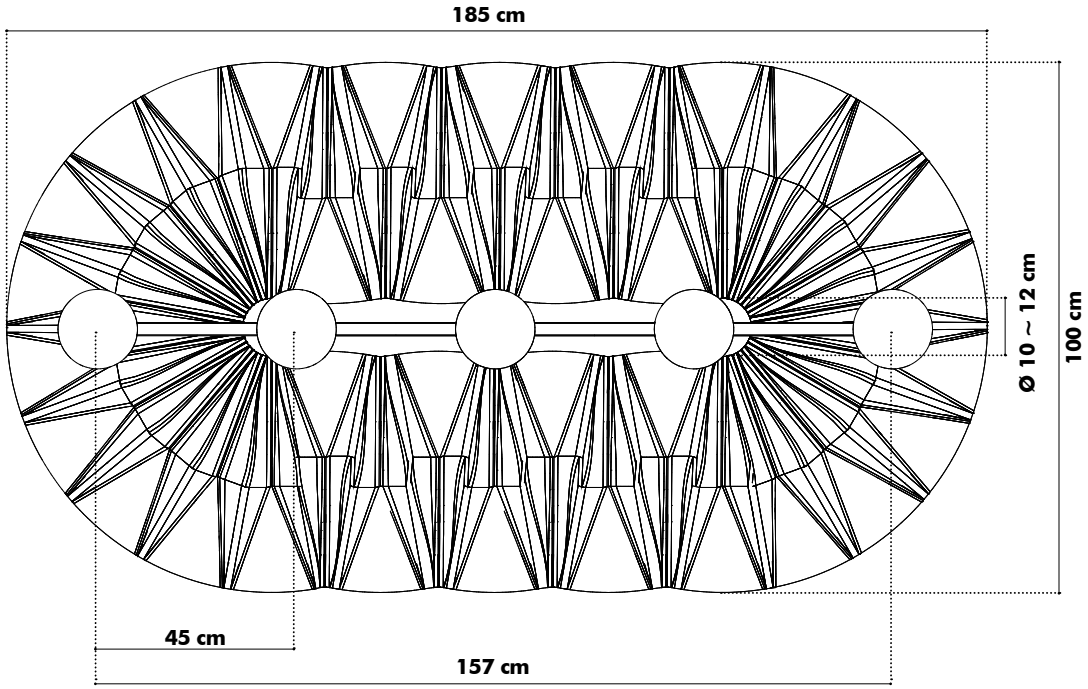
BuzziPleat Light Edel Long Trio Retrofit





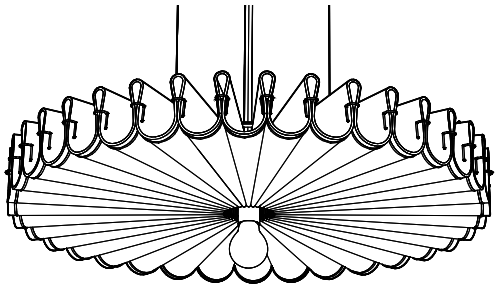
BuzziPleat Light Edel Long Quintet





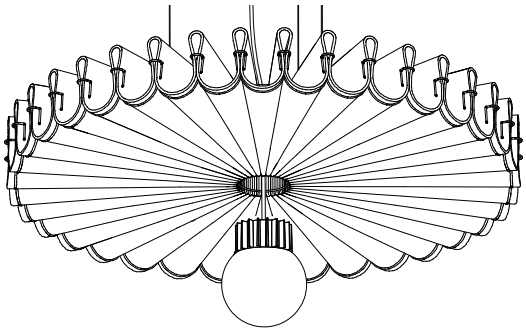
Weights

BuzziPleat Light Ripple Medium | Large BuzziSol Solo Retrofit



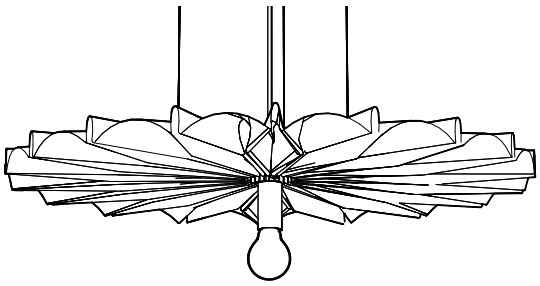
Medium: 6.3 kg
Large: 12 kg

BuzziPleat Light Ripple Medium | Large BuzziSol Solo LED



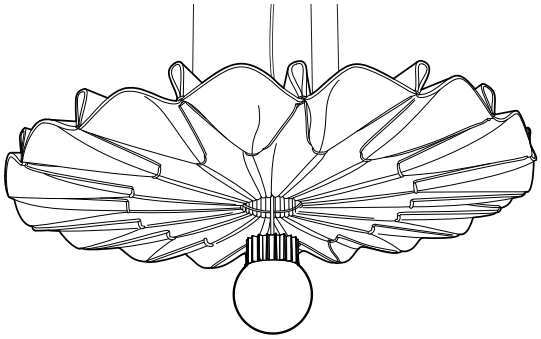
Medium: 6,7 kg
Large: 12,4 kg

BuzzuPleat Light Edel Medium | Large BuzziSol Solo Retrofit



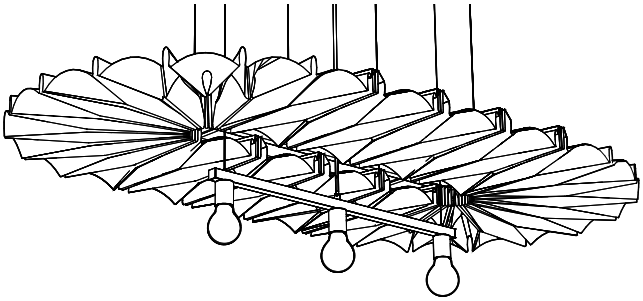
Medium: 5,3 kg
Large: 10 kg

BuzzuPleat Light Edel Medium | Large BuzziSol Solo LED



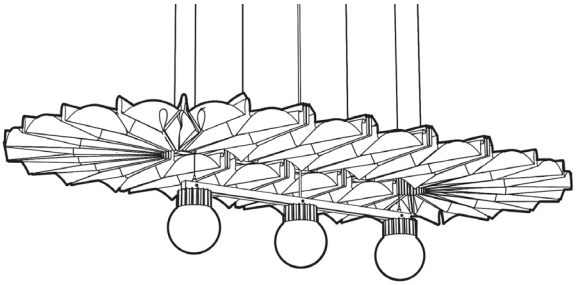
Medium: 5,7 kg
Large: 10,4 kg

BuzziPleat Light Edel Long Trio BuzziSol Trio Retrofit



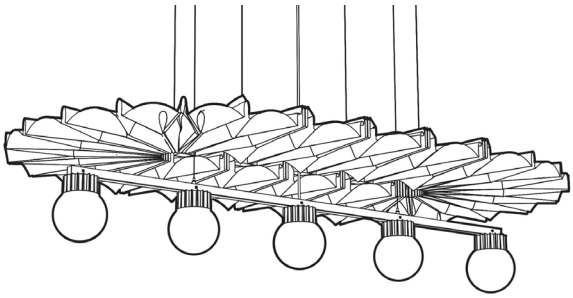
11.6 kg

BuzziPleat Light Edel Long Trio BuzziSol Trio LED



14 kg

BuzziPleat Light Edel Long Quintet BuzziSol Quintet LED



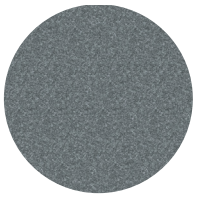
16,5 kg

Fabrics

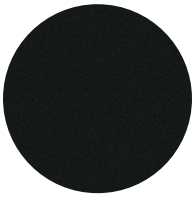
Felt

Composition 100% Recycled P.E.T. Felt, latex backing
Weight 1.000 g/m2 | 29.49 oz/yd2
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*



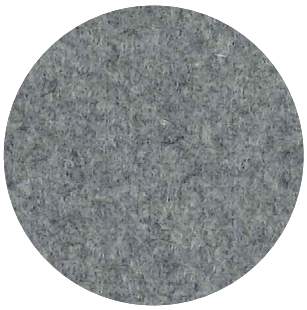
FE-StoneGrey 67



FE-Anthracite 68*

*Extra layer BuzziFabric Possible

Fabric (45 colors)

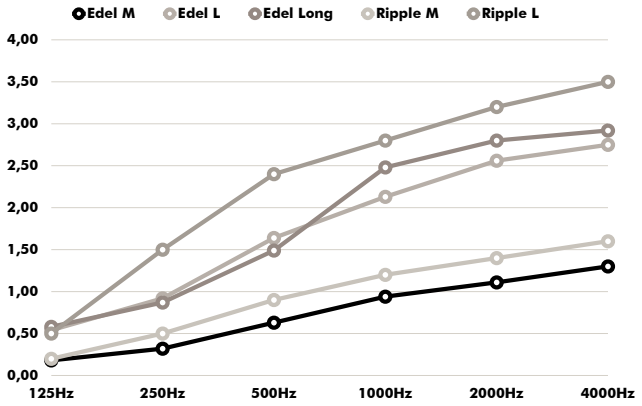


Category A
Composition 70% Recycled Wool, 25% Recycled Polyacryl,
5% Recycled Other Fabrics
Weight 405 g/m² | 11.94 oz/yd²
Abrasion resistance 40.000 Martindale, 50,000 Wyzenbeek
Flammability EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette).
EN 1021.2/2006 | BS EN 1021.2/2006 (match)
USA: CAL TB 117 | 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 m² per object



Hz	Edel M Aeq/m²	Edel L Aeq/m²	Edel Long M Aeq/m²	Ripple M Aeq/m²	Ripple L Aeq/m²
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