



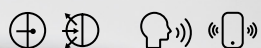
Product Specification Sheet

BuzziPleat Light 220-240v

— By 13&9 Design

Sculptural pendant enfolds silence and light

BuzziPleat, a dynamic series of acoustic solutions by 13&9, delivers sound control with architectural edge. Traditional fashion design techniques, like smocking and pleating, are reinterpreted with sound-absorbing BuzziFelt to create large architectural folds, which maximize surface to deliver exceptional acoustic performance. The suspended BuzziPleat Light configuration marries sound control and illumination. It is equipped with BuzziSol, a powerful LED light source. The dimmable warm light gives BuzziPleat an even greater sense of depth.



The Family

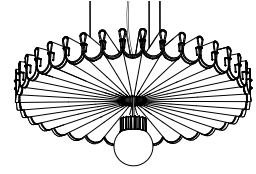
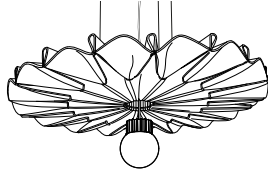
Models

BuzziPleat Light Edel

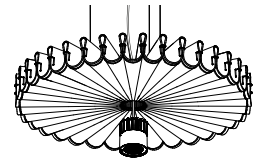
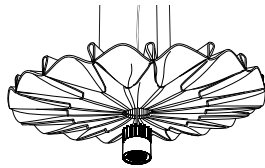
BuzziPleat Light Edel Long

BuzziPleat Light Ripple

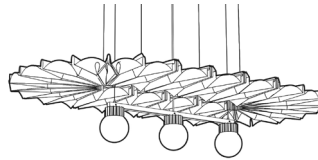
Sol Solo Globe



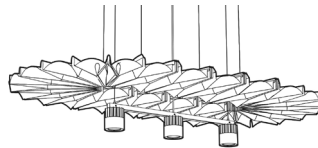
Sol Solo Spot



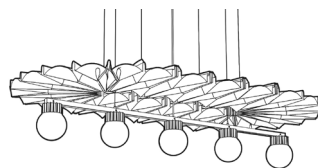
Sol Trio Globe



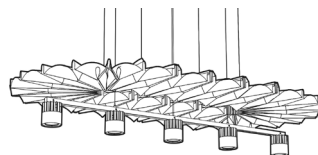
Sol Trio Spot



Sol Quintet Globe



Sol Quintet Spot



Lighting Units

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

BuzziSol Globe



BuzziSol collection are suspended LED fixtures consisting of 1, 3 or 5 powder-coated black heatsinks with LED chip on board (COB) light sources.

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 reflector spot adaptors directing the light with a beam angle of 38° downwards.

Spot



Lighting specifications

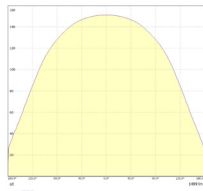
BuzziPleat Light Edel Medium Large															
Lighting Unit	Voltage	Wattage	Light Output Luminaire	Efficacy (Lm/W)	CRI	Dimming	Color Temperature	UGR	Standard (stock) On request (>LT)	Color Power Cable	Color Ceiling Canopy	Color Lace	Fabric Collection	Fabric Color	Mounting Option
Sol Solo Globe	220 - 240V	20W	1500 Lm	75	90	1-10V	3000K	23	Standard	Black	Black				3 cables of 2 m Alu or Black 3 cables of 5 m Alu or Black
Sol Solo Globe	220 - 240V	20W	1500 Lm	75	90	DALI	3000K	23	On Request	Black	Black	OffWhite or Black	Use color codes below	Use color codes below	
Sol Solo Spot	220 - 240V	20W	1500 Lm	75	90	1-10V	3000K	12	Standard	Black	Black				
Sol Solo Spot	220 - 240V	20W	1500 Lm	75	90	DALI	3000K	12	On Request	Black	Black				
BuzziPleat Light Ripple Medium Large															
Lighting Unit	Voltage	Wattage	Light Output Luminaire	Efficacy (Lm/W)	CRI	Dimming	Color Temperature	UGR	Standard (stock) On request (>LT)	Color Power Cable	Color Ceiling Canopy	Color Lace	Fabric Collection	Fabric Color	Mounting Option
Sol Solo Globe	220 - 240V	20W	1500 Lm	75	90	1-10V	3000K	23	Standard	Black	Black				3 cables of 2 m Alu or Black 3 cables of 5 m Alu or Black
Sol Solo Globe	220 - 240V	20W	1500 Lm	75	90	DALI	3000K	23	On Request	Black	Black	OffWhite or Black	Use color codes below	Use color codes below	
Sol Solo Spot	220 - 240V	20W	1500 Lm	75	90	1-10V	3000K	12	Standard	Black	Black				
Sol Solo Spot	220 - 240V	20W	1500 Lm	75	90	DALI	3000K	12	On Request	Black	Black				
BuzziPleat Light Edel Long Medium															
Lighting Unit	Voltage	Wattage	Light Output Luminaire	Efficacy (Lm/W)	CRI	Dimming	Color Temperature	UGR	Standard (stock) On request (>LT)	Color Power Cable	Color Ceiling Canopy	Color Lace	Fabric Collection	Fabric Color	Mounting Option
Sol Trio Globe	220 - 240V	3 x 16,3W	3 x 1500 Lm	92	90	1-10V	3000K	23	12	Black	Black				4 cables of 2 m Alu or Black 4 cables of 5 m Alu or Black
Sol Trio Spot	220 - 240V	3 x 16,3W	3 x 1500 Lm	92	90	1-10V	3000K	12	12	Black	Black	OffWhite or Black	Use color codes below	Use color codes below	
Sol Quintet Globe	220 - 240V	5 x 16,3W	5 x 1500 Lm	92	90	1-10V	3000K	23	12	Black	Black				
Sol Quintet Spot	220 - 240V	5 x 16,3W	5 x 1500 Lm	92	90	1-10V	3000K	12	12	Black	Black				



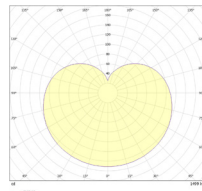
Photometric Data

BuzziPleat Light BuzziSol Solo

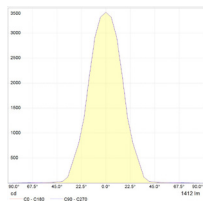
Sol Solo Globe Cartesian diagram



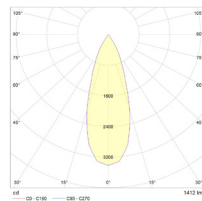
Sol Solo Globe Polar curve



Sol Solo Spot Cartesian diagram

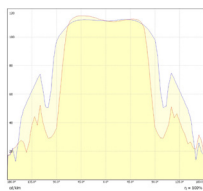


Sol Solo Spot Polar curve

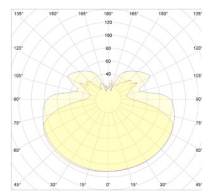


BuzziPleat Light BuzziSol Trio

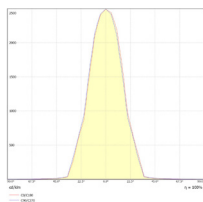
Sol Trio Globe Cartesian diagram



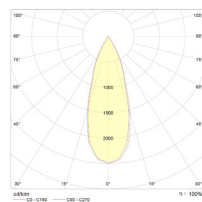
Sol Trio Globe Polar curve



Sol Trio Spot Cartesian diagram

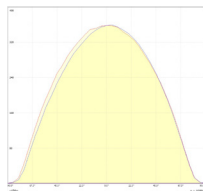


Sol Trio Spot Polar curve

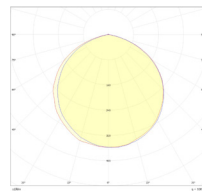


BuzziPleat Light BuzziSol Quintet

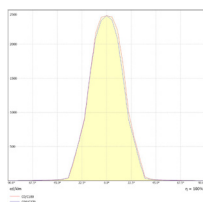
Sol Quintet Globe Cartesian diagram



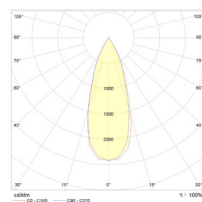
Sol Quintet Globe Polar curve



Sol Quintet Spot Cartesian diagram



Sol Quintet Spot Polar curve



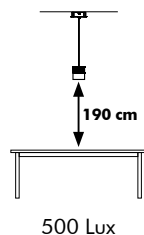
Tips and Tricks - Light Options

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

BuzziPleat Light BuzziSol Solo

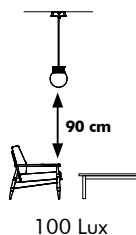
Solo Spot

Office,
Meeting room



Solo Globe

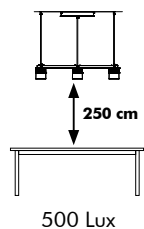
Office,
Meeting room



BuzziPleat Light BuzziSol Trio

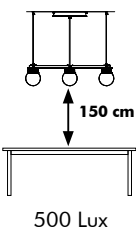
Trio Spot

Office,
Meeting room



Trio Globe

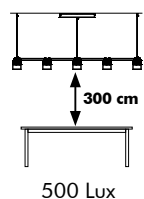
Office,
Meeting room



BuzziPleat Light BuzziSol Quintet

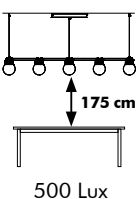
Quintet Spot

Office
Meeting room



Quintet Globe

Office,
Meeting room

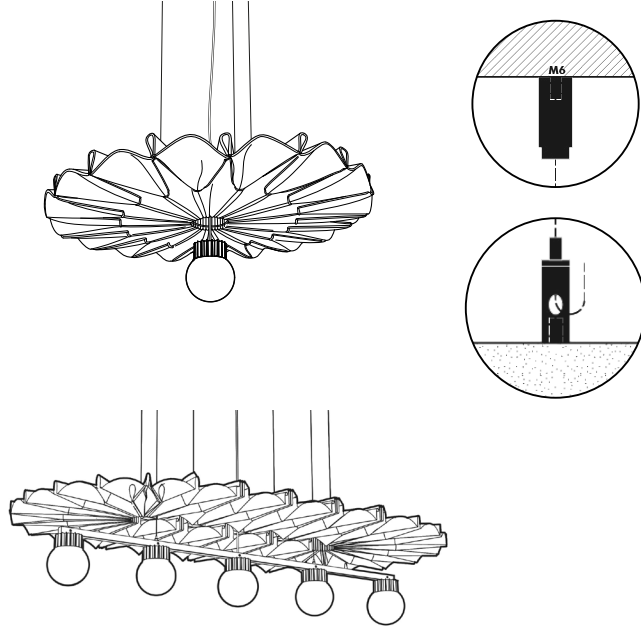


* According to EN12464

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



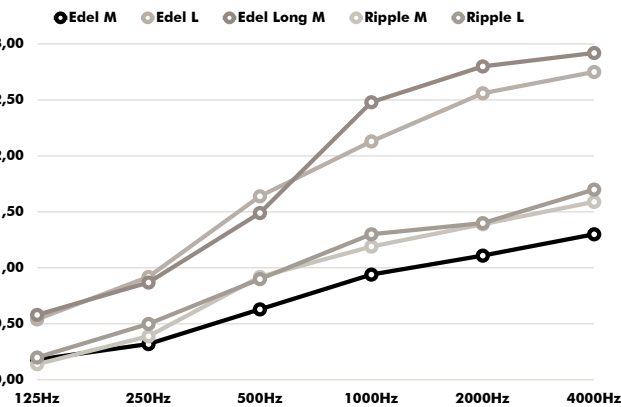
High tone

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

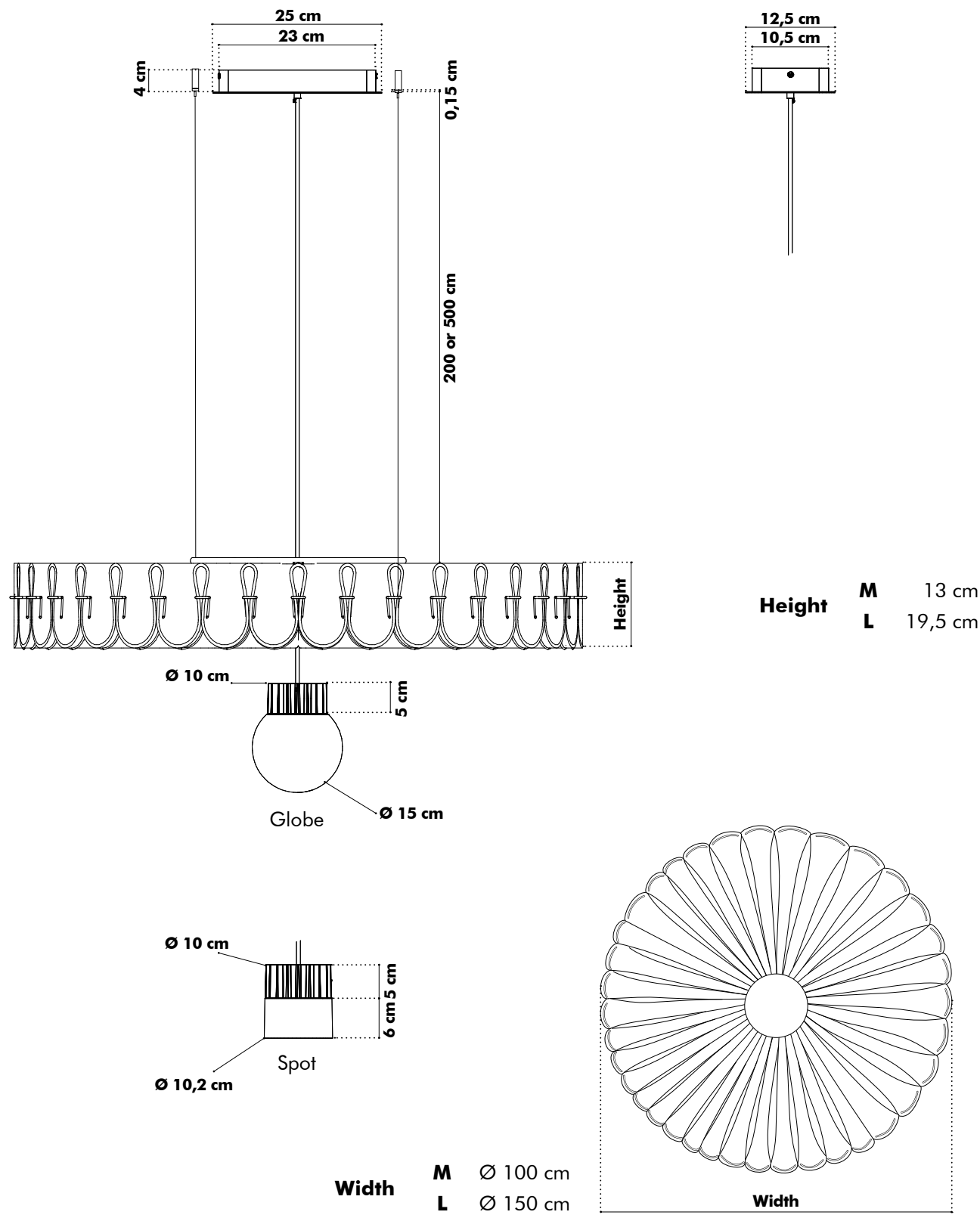
Equivalent sound absorption area in m² per object



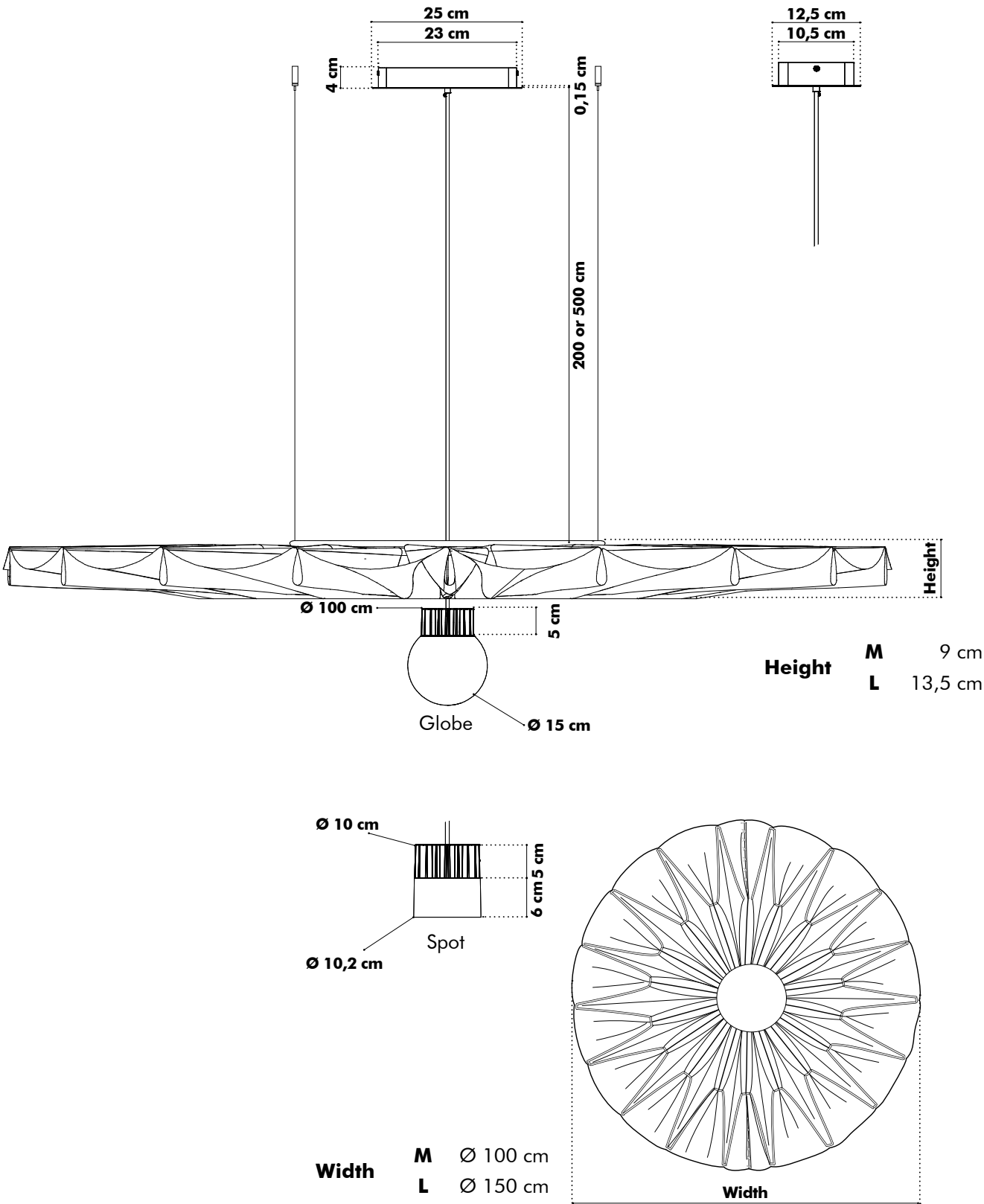
Hz	Edel M Aeq/m²	Edel L Aeq/m²	Edel Long M Aeq/m²	Ripple M Aeq/m²	Ripple L Aeq/m²
125	0.18	0.54	0.58	0.14	0.20
250	0.32	0.92	0.87	0.39	0.50
500	0.63	1.64	1.49	0.92	0.90
1000	0.94	2.13	2.48	1.19	1.30
2000	1.11	2.56	2.80	1.39	1.40
4000	1.30	2.75	2.92	1.59	1.70

Dimensions

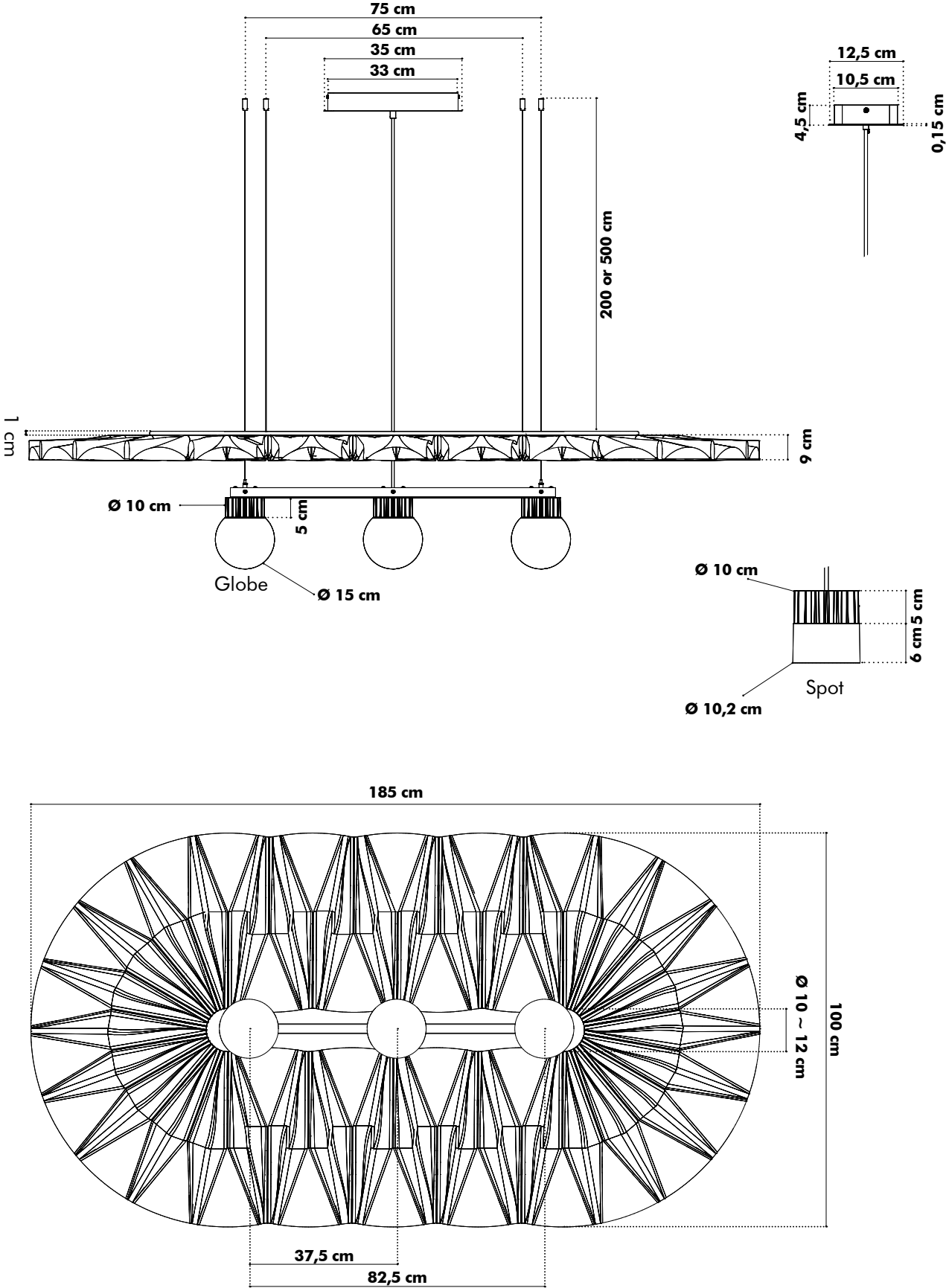
BuzziPleat Light Ripple



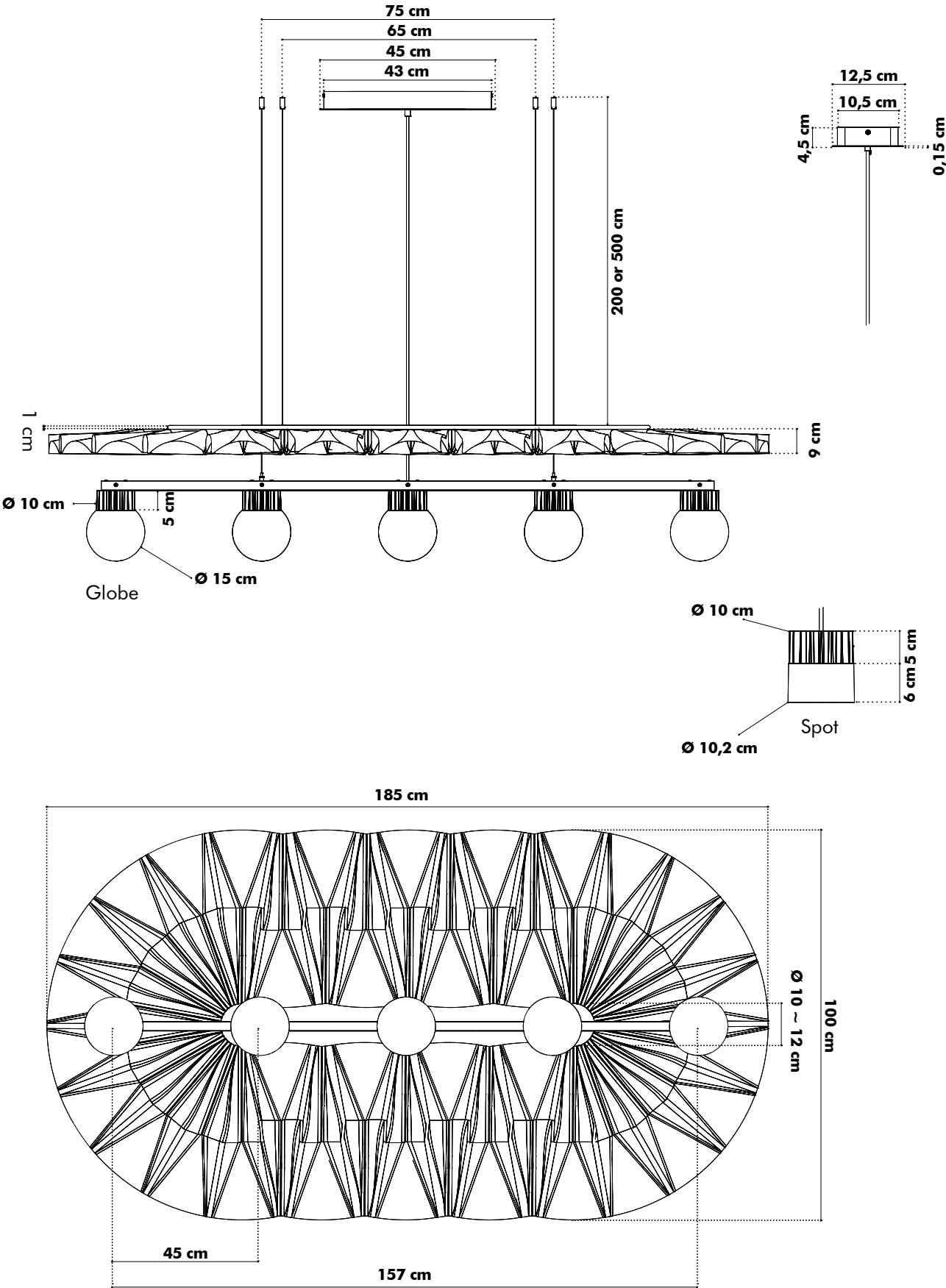
BuzziPleat Light Edel



BuzziPleat Light Edel Long Trio

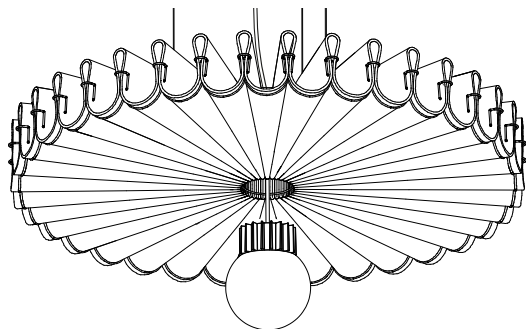


BuzziPleat Light Edel Long Quintet



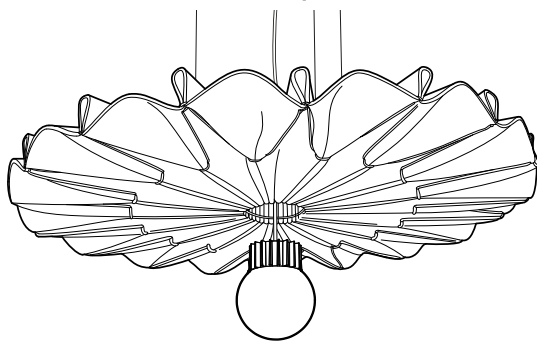
Weights

BuzziPleat Light Ripple Medium | Large BuzziSol Solo



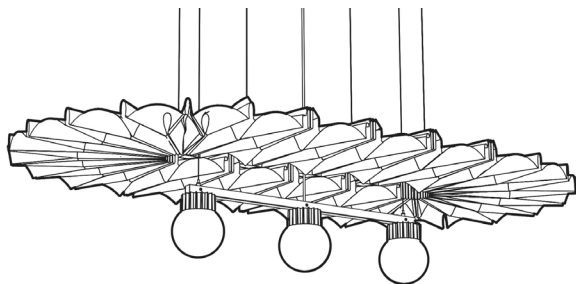
⚖ Medium: 6,7 kg
Large: 12,4 kg

BuzziPleat Light Edel Medium | Large BuzziSol Solo



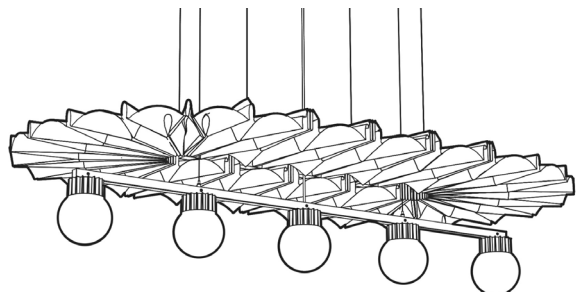
⚖ Medium: 5,7 kg
Large: 10,4 kg

BuzziPleat Light Edel Long Trio BuzziSol Trio



⚖ 14 kg

BuzziPleat Light Edel Long Quintet BuzziSol Quintet



⚖ 16,5 kg

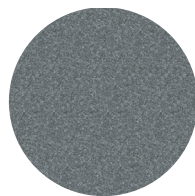
Fabrics

Felt

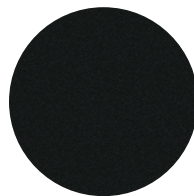
Composition 100% Recycled P.E.T. Felt, latex backing
Weight 1.000 g/m² | 29.49 oz/yd²
Abrasion resistance >7.000 Martindale
Flammability EU: EN 13501.1 + A1/2009 Class B-s1,d0
USA: ASTM E84 Class A certified
Fastness to light USA 5



FE-OffWhite 63*



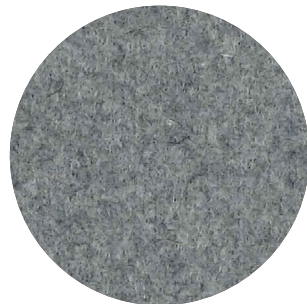
FE-StoneGrey 67



FE-Anthracite 68*

*Extra layer BuzziFabric Possible

Fabric (45 colors)



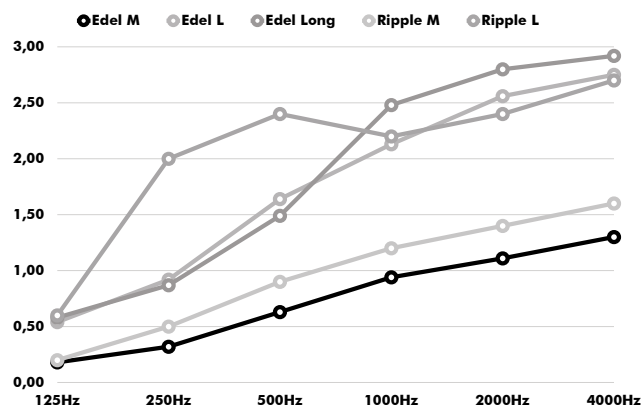
Category A
Composition 70% Recycled Wool, 25% Recycled Polyacryl,
5% Recycled Other Fabrics
Weight 405 g/m² | 11.94 oz/yd²
Abrasion resistance 40.000 Martindale, 50,000 Wyzenbeek
Flammability EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette).
EN 1021.2/2006 | BS EN 1021.2/2006 (match)
USA: CAL TB 117 | 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	0.60
250	0.32	0.92	0.87	0.50	2.00
500	0.63	1.64	1.49	0.90	2.40
1000	0.94	2.13	2.48	1.20	2.20
2000	1.11	2.56	2.80	1.40	2.40
4000	1.30	2.75	2.92	1.60	2.70