



## Product Specification Sheet

### BuzziPleat Light us

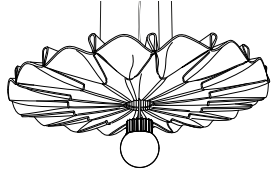
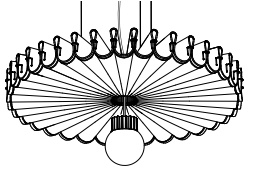
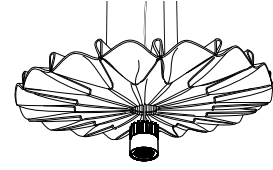
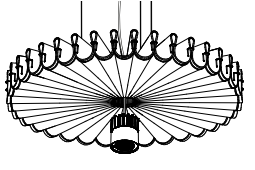
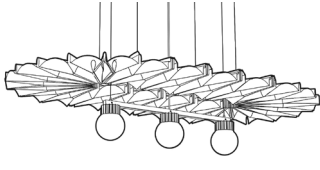
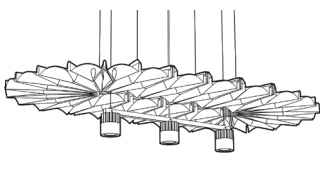
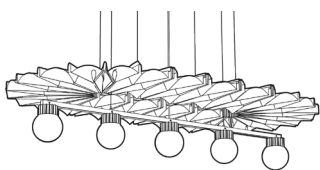
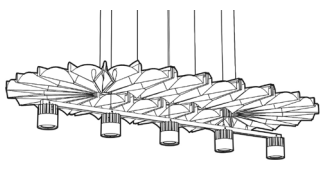
— By 13&9 Design

#### **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 | Retrofit E26<br>(bulb excluded) | BuzziPleat Light Edel                                                             | BuzziPleat Light Edel Long                                                           | BuzziPleat Light Ripple                                                             |
|                | LED Solo Globe                  |  |                                                                                      |  |
|                | LED Solo Spot                   |  |                                                                                      |  |
|                | 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

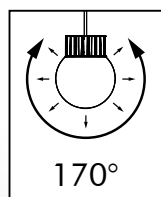
### Retrofit Lighting unit



BuzziSol Solo retrofit includes 1 x E26 fitting.  
BuzziSol Trio retrofit includes 3 x E26 fitting.  
Bulb excluded, max.100W

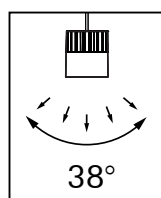
### LED

#### 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    |                                                       |
|------------------|---------------|--------------------|-------------------------------------------------------|
| Lighting Unit    | Voltage Input | Technical          | Visual                                                |
| Retrofit Solo    | 110-120V      | Wattage: Max. 100W | Color:<br>Power Cable: Black<br>Ceiling Canopy: Black |

| Lighting Options |               |                   |                     | Characteristics |                        |                           |
|------------------|---------------|-------------------|---------------------|-----------------|------------------------|---------------------------|
| Lighting Unit    | Voltage Input | Color Temperature | UGR (Diffuser type) | Dimming         | Technical              | Visual                    |
| LED Solo         | 100-240V/277V | 2700K             | 23 (Globe)          | 1-10V           | Power consumption: 19W | Color: Power Cable: Black |
|                  |               | 3000K             |                     |                 | Light output: 1500 Lm  |                           |
|                  |               | 3500K             |                     |                 | Efficacy: 79 Lm/W      |                           |
|                  |               | 4000K             |                     |                 | CRI: > 90              |                           |
|                  |               |                   | 12 (Spot)           | 1-10V           | Power consumption: 19W | Ceiling Canopy: Black     |
|                  |               |                   |                     |                 | Light output: 1500 Lm  |                           |
|                  |               |                   |                     |                 | Efficacy: 79 Lm/W      |                           |
|                  |               |                   |                     |                 | CRI: > 90              |                           |

## Model: Light Edel Long Medium

| Lighting Options |               | Characteristics        |                                                       | Mounting                                    |
|------------------|---------------|------------------------|-------------------------------------------------------|---------------------------------------------|
| Lighting Unit    | Voltage Input | Technical              | Visual                                                | Options                                     |
| Retrofit Trio    | 110-120V      | Wattage: 3 x Max. 100W | Color:<br>Power Cable: Black<br>Ceiling Canopy: Black | 2 cables of 78.74"- 196.85"<br>Alu or Black |

| Lighting Options |               |                   | Characteristics     |         |                                                                                      |                                                       | Mounting                                    |
|------------------|---------------|-------------------|---------------------|---------|--------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------|
| Lighting Unit    | Voltage Input | Color Temperature | UGR (Diffuser type) | Dimming | Technical                                                                            | Visual                                                | Options                                     |
| LED Trio         | 100-240V/277V | 2700K             | 23 (Globe)          | 1-10V   | Power consumption: 60W<br>Light output: 3 x1500 Lm<br>Efficacy: 75 Lm/W<br>CRI: > 90 | Color:<br>Power Cable: Black<br>Ceiling Canopy: Black | 2 cables of 78.74"- 196.85"<br>Alu or Black |
|                  |               | 3000K             |                     |         |                                                                                      |                                                       |                                             |
| 3500K            |               |                   |                     |         |                                                                                      |                                                       |                                             |
|                  |               | 4000K             |                     |         |                                                                                      |                                                       |                                             |

## Model: Light Edel Long Medium

### Lighting Options

### Characteristics

### Mounting

| Lighting Unit | Voltage Input | Color Temperature                | UGR (Diffuser type) | Dimming | Technical                                                                             | Visual                                                | Options                                     |
|---------------|---------------|----------------------------------|---------------------|---------|---------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------|
| LED Quintet   | 100-240V/277V | 2700K<br>3000K<br>3500K<br>4000K | 23 (Globe)          | 1-10V   | Power consumption: 90W<br>Light output: 5 x 1500 Lm<br>Efficacy: 83 Lm/W<br>CRI: > 90 | Color:<br>Power Cable: Black<br>Ceiling Canopy: Black | 2 cables of 78.74"- 196.85"<br>Alu or Black |
|               |               |                                  | 12 (Spot)           | 1-10V   | Power consumption: 90W<br>Light output: 5 x 1500 Lm<br>Efficacy: 83 Lm/W<br>CRI: > 90 |                                                       |                                             |

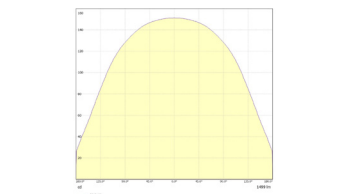


CE CB

## Photometric Data

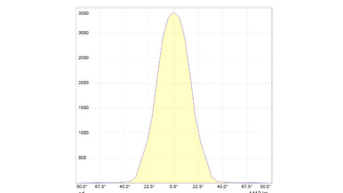
## BuzziPleat Light BuzziSol Solo

### LED Solo Globe Cartesian diagram



### LED Solo Globe Polar curve

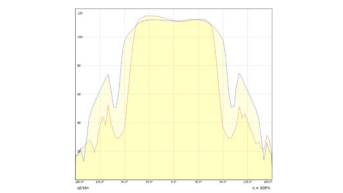
### LED Solo Spot Cartesian diagram



### LED Solo Spot Polar curve

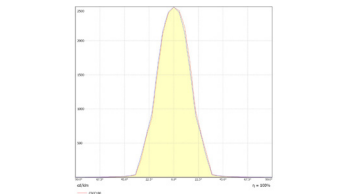
### BuzziPleat Light BuzziSol Trio

### LED Trio Globe Cartesian diagram



**LED Trio Globe Polar curve**

### LED Trio Spot Cartesian diagram



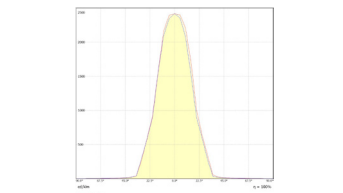
### LED Trio Spot Polar curve

### 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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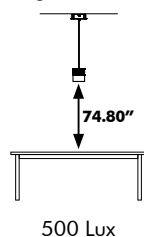
## Tips and Tricks - Light Options

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

### BuzziPleat Light BuzziSol Solo

#### Solo Spot

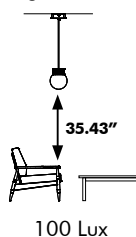
Office,  
Meeting room



500 Lux

#### Solo Globe

Office,  
Meeting room

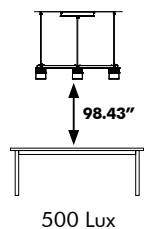


100 Lux

### BuzziPleat Light BuzziSol Trio

#### Trio Spot

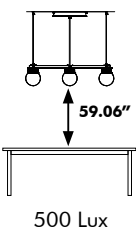
Office,  
Meeting room



500 Lux

#### Trio Globe

Office,  
Meeting room

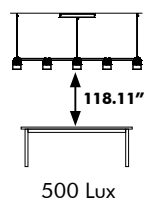


500 Lux

### BuzziPleat Light BuzziSol Quintet

#### Quintet Spot

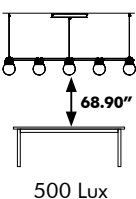
Office  
Meeting room



500 Lux

#### Quintet Globe

Office,  
Meeting room



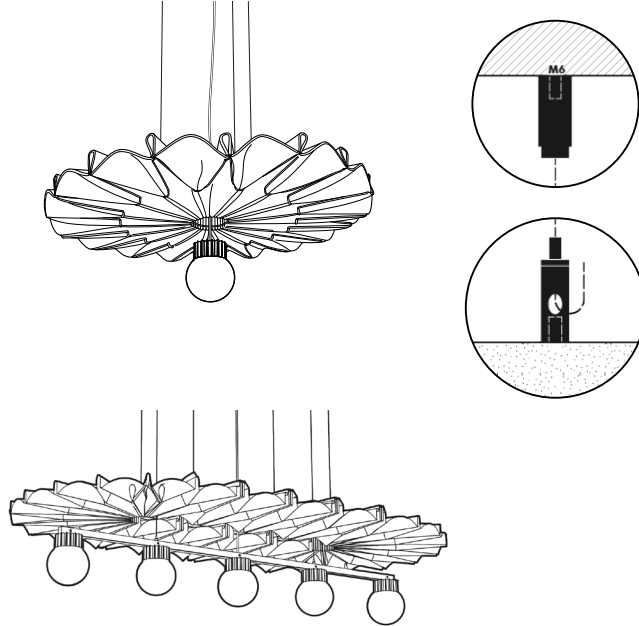
500 Lux

\* According to EN12464

# Product Data

## Fixing System

### Fixing System Acoustic Panel



BuzziPleat Light Edel and Ripple are suspended on 3 cables of 78.74" or 196.85" black or alu colored cables, with fixing system screw.

BuzziPleat Light Edel Long is suspended on 4 cables of 78.74" or 196.85" 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 78.74" or 196.85" 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 3.94" 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



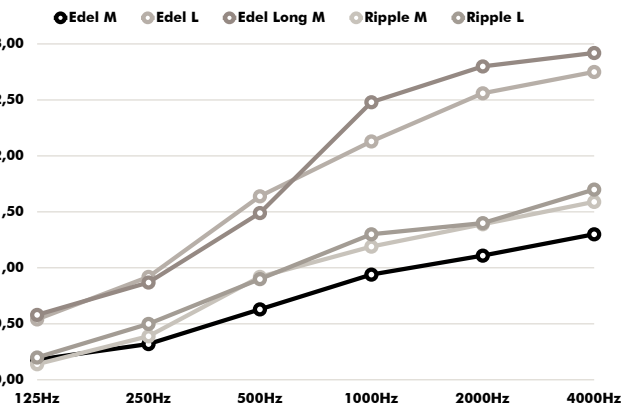
High tone

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

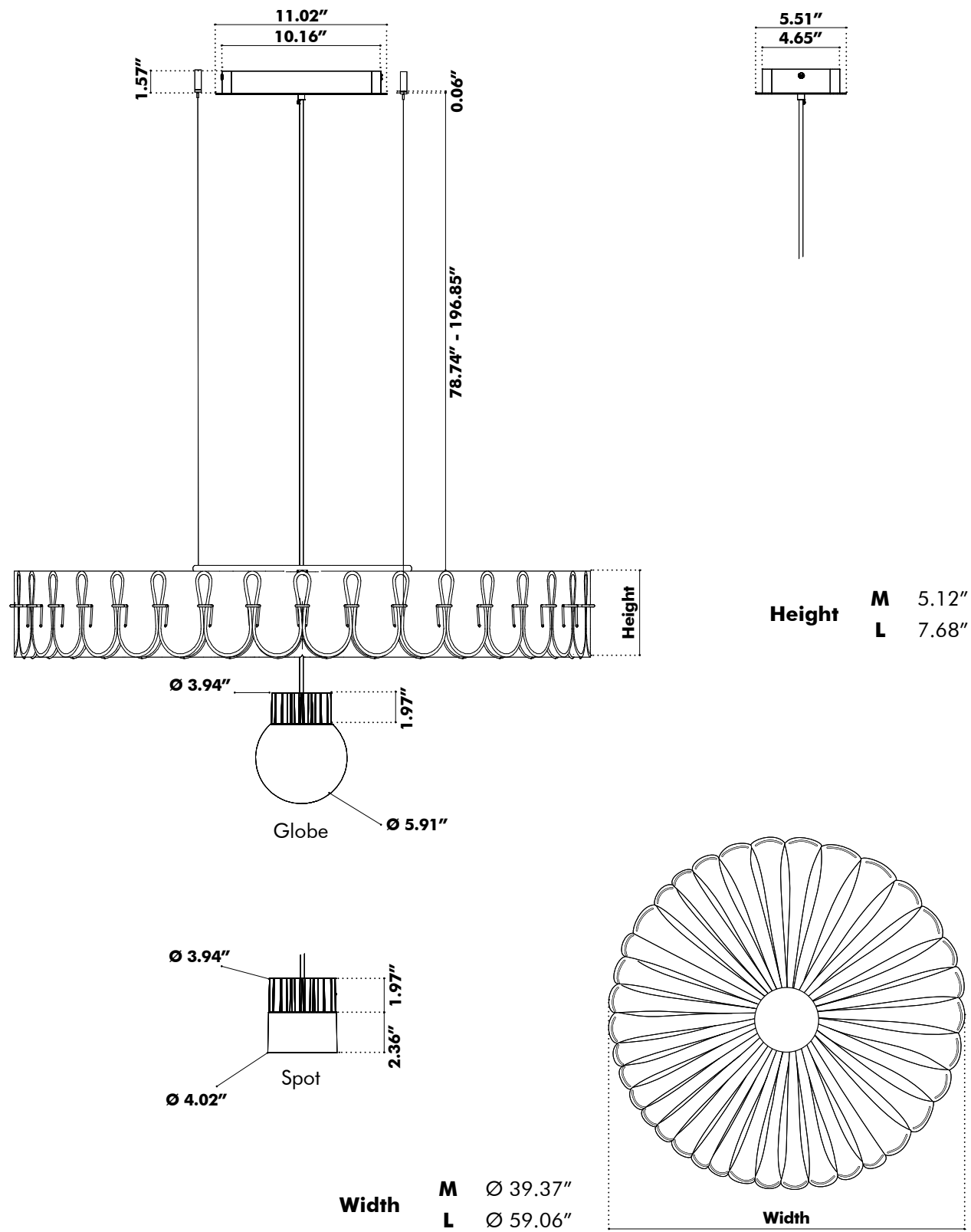
### Equivalent sound absorption area in m² per object



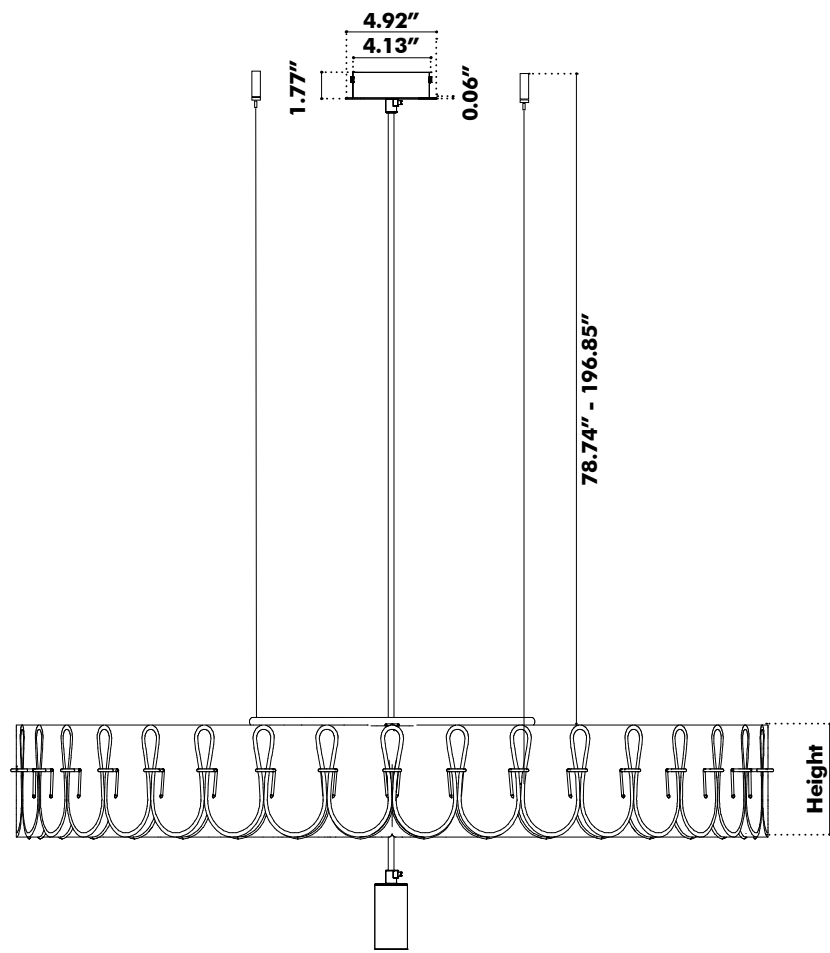
| Hz   | Edel M<br>Aeq/m² | Edel L<br>Aeq/m² | Edel Long M<br>Aeq/m² | Ripple M<br>Aeq/m² | Ripple L<br>Aeq/m² |
|------|------------------|------------------|-----------------------|--------------------|--------------------|
| 125  | 0.18             | 0.54             | 0.58                  | 0.14               | 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

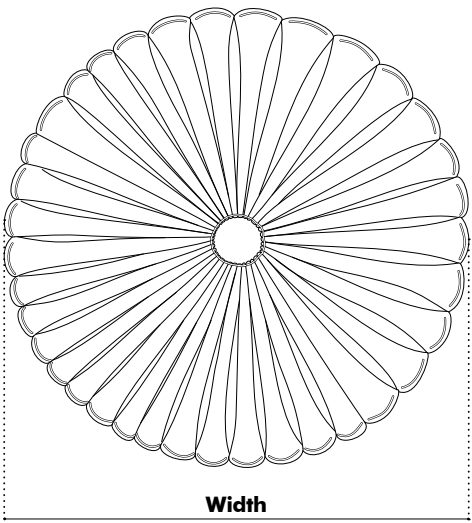


**BuzziPleat Light Ripple Retrofit**

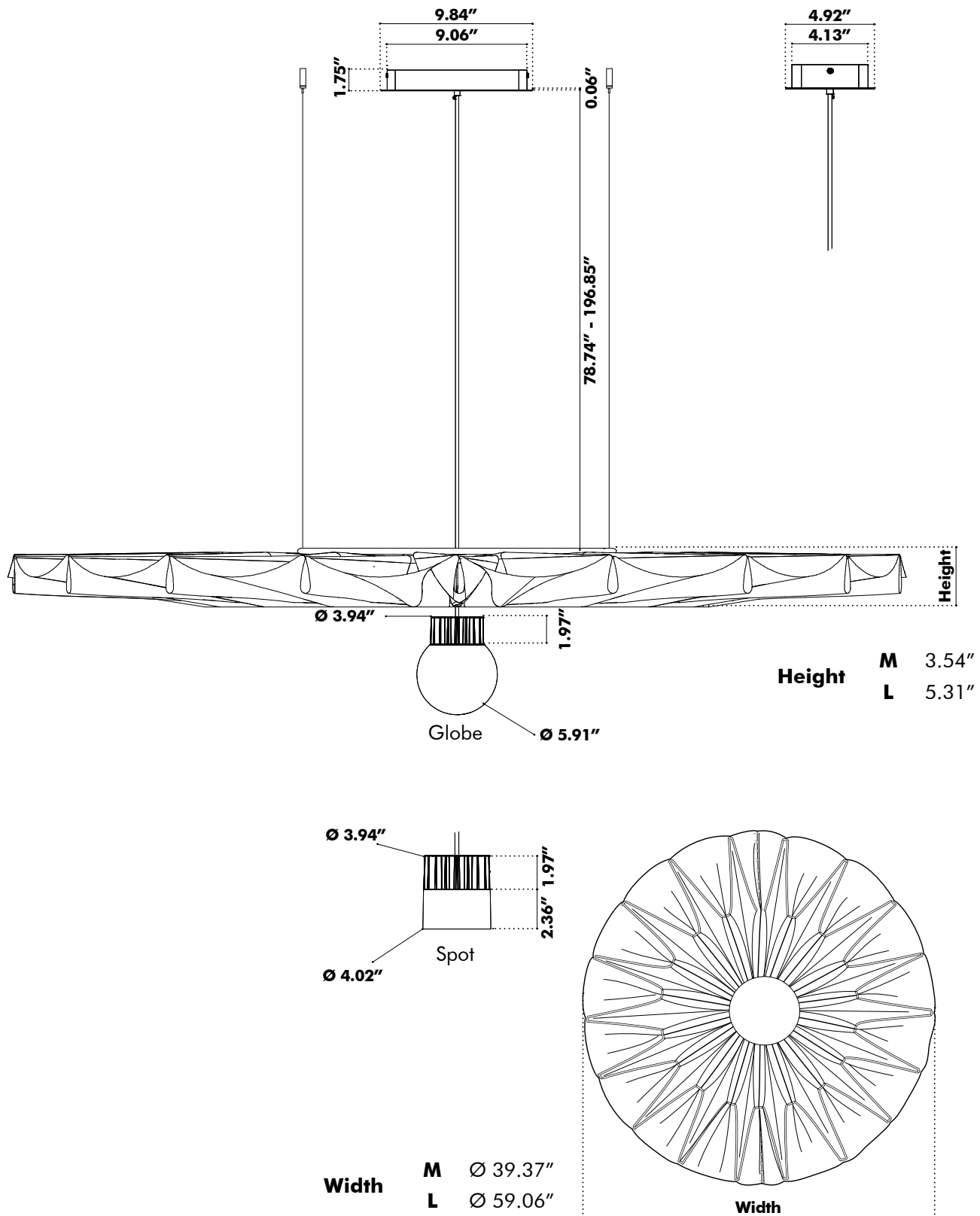


|        |   |       |
|--------|---|-------|
| Height | M | 5.12" |
|        | L | 7.68" |

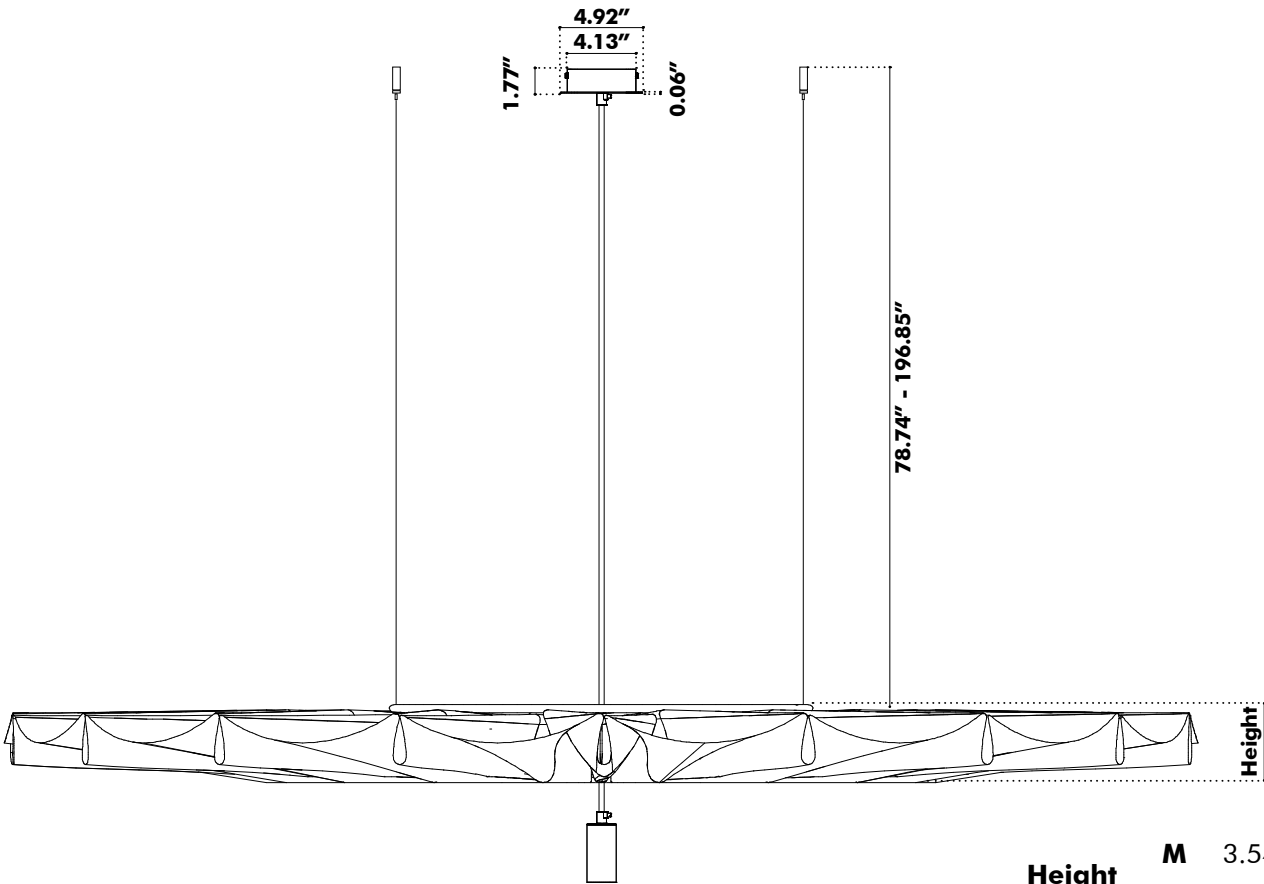
|       |   |          |
|-------|---|----------|
| Width | M | Ø 39.37" |
|       | L | Ø 59.06" |



## BuzziPleat Light Edel LED

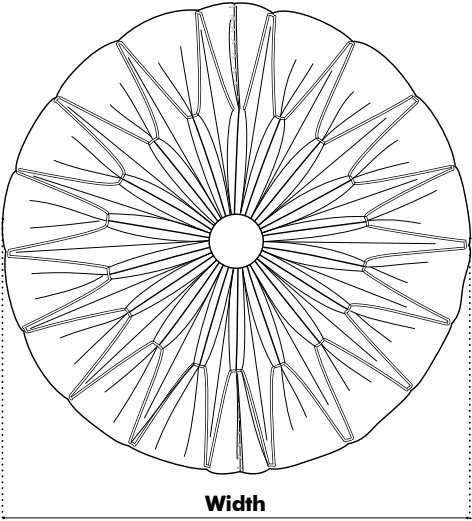


BuzziPleat Light Edel Retrofit

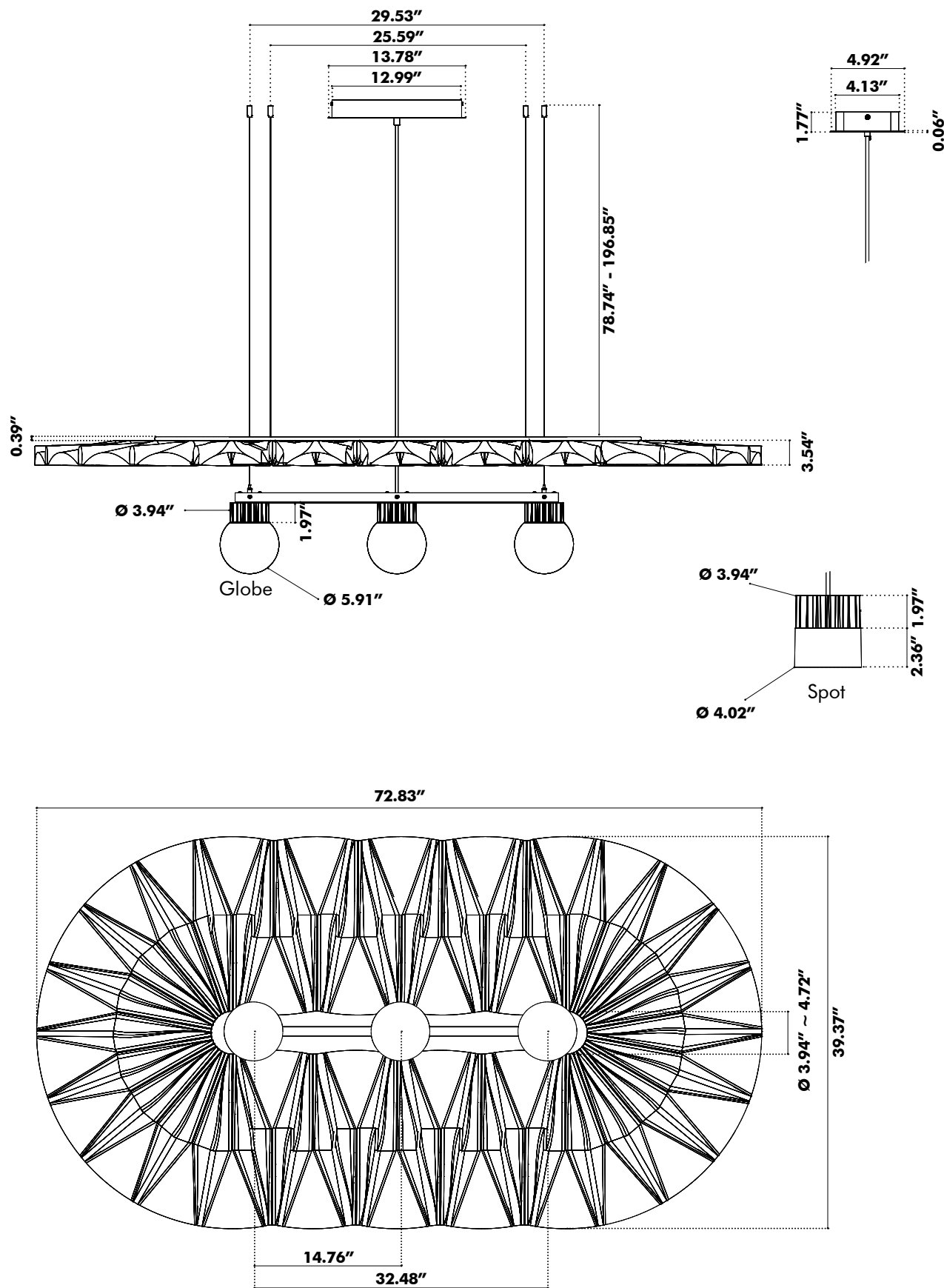


|        |   |       |
|--------|---|-------|
| Height | M | 3.54" |
|        | L | 5.31  |

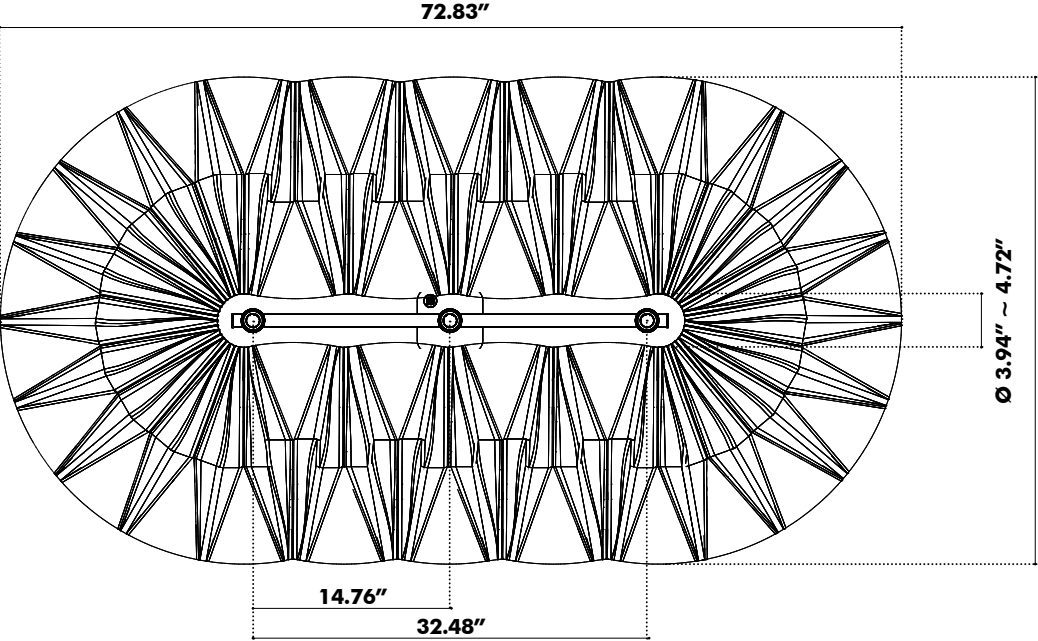
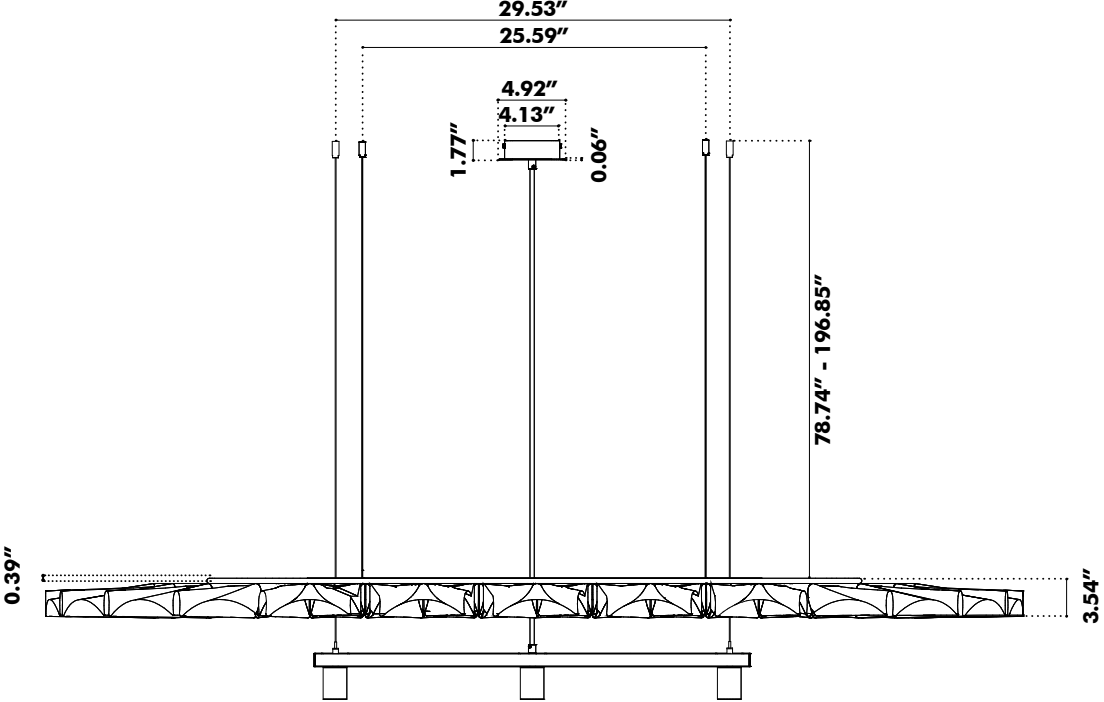
|       |   |          |
|-------|---|----------|
| Width | M | Ø 39.37" |
|       | L | Ø 59.06" |



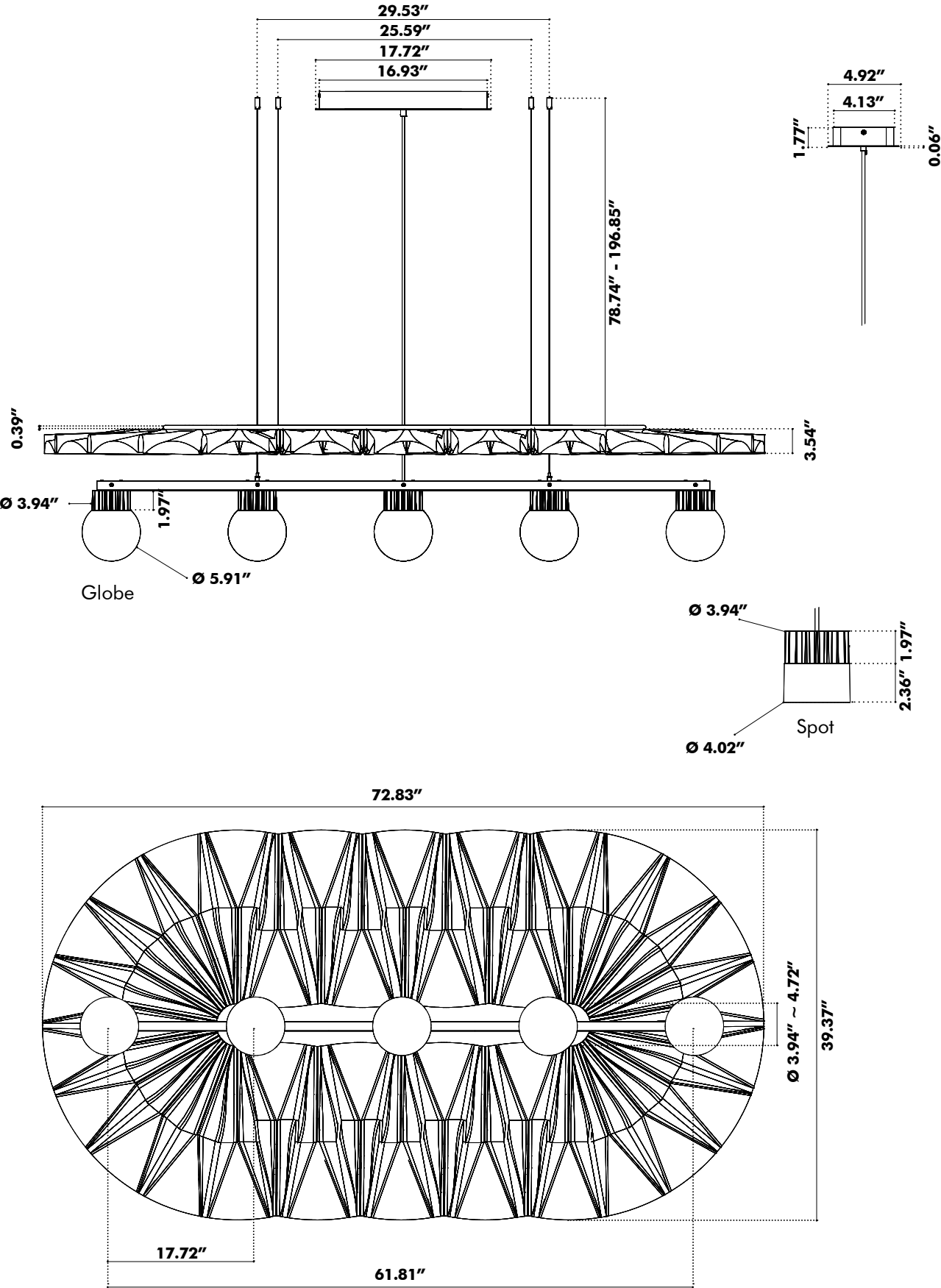
BuzziPleat Light Edel Long Trio LED



BuzziPleat Light Edel Long Trio Retrofit



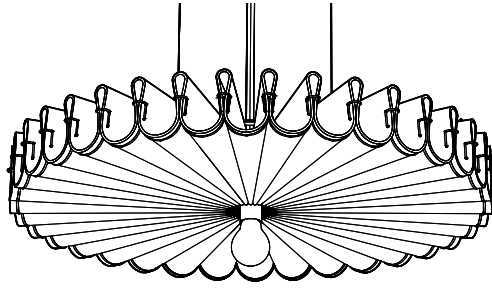
BuzziPleat Light Edel Long Quintet LED



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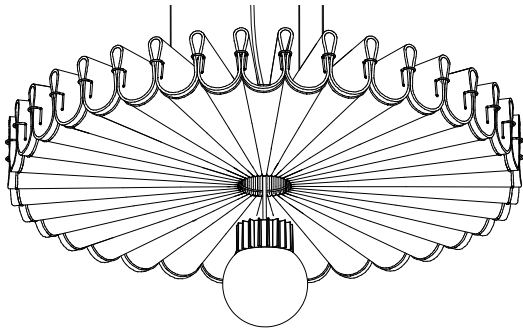
## Weights

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



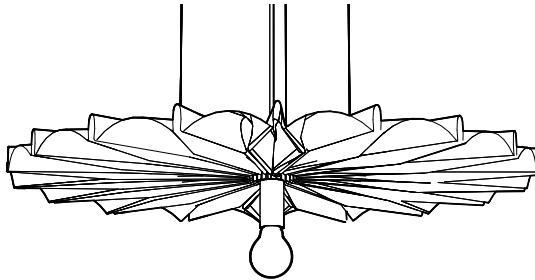
 Medium: 13.89 lbs  
Large: 26.46 lbs

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



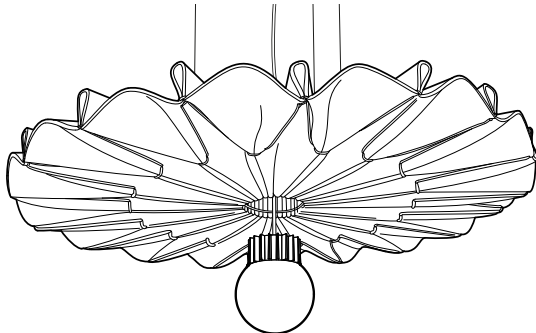
 Medium: 14.77 lbs  
Large: 27.34 lbs

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



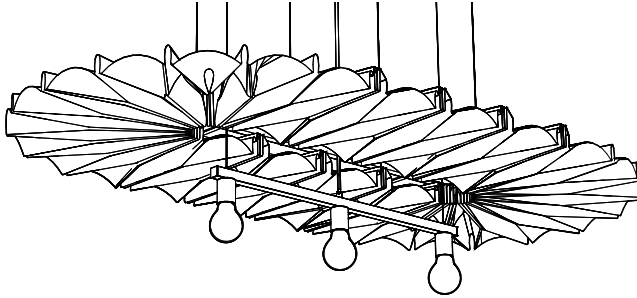
 Medium: 11.68 lbs  
Large: 22.05 lbs

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



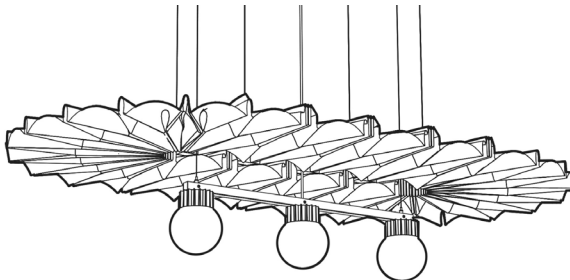
 Medium: 12.57 lbs  
Large: 22.93 lbs

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



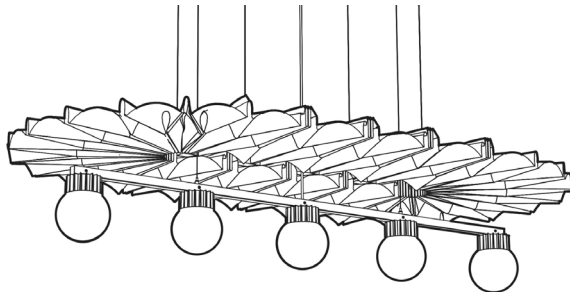
 25.57 lbs

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



 30.86 lbs

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



 36.38 lbs

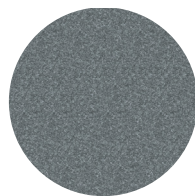
# Fabrics

## Felt

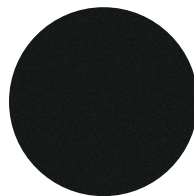
**Composition** 100% Recycled P.E.T. Felt  
**Weight** 1.000 g/m<sup>2</sup> | 29.49 oz/yd<sup>2</sup>  
**Abrasion resistance** >7.000 Martindale  
**Flammability** EU: EN 13501.1 + A1/2009 Class B-s1,d0  
USA: ASTM E84 Class A certified  
**Fastness to light** USA 5



FE-OffWhite 63\*



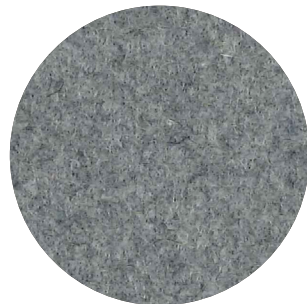
FE-StoneGrey 67



FE-Anthracyte 68\*

\*Extra layer BuzziFabric Possible

## Fabric (45 colors)



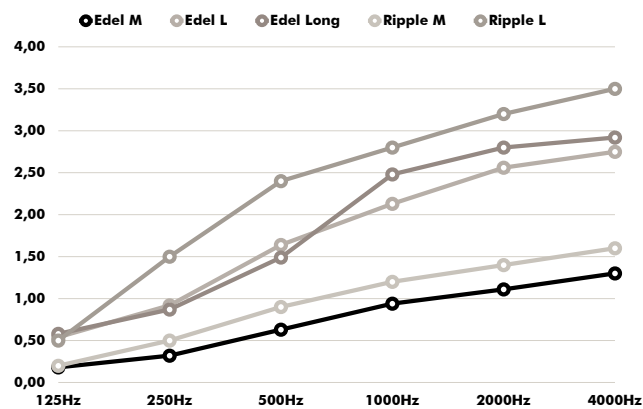
**Category** A  
**Composition** 70% Recycled Wool, 25% Recycled Polyacryl,  
5% Recycled Other Fabrics  
**Weight** 405 g/m<sup>2</sup> | 11.94 oz/yd<sup>2</sup>  
**Abrasion resistance** 40.000 Martindale, 50,000 Wyzenbeek  
**Flammability** EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette).  
EN 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<br>Aeq/m² | Edel L<br>Aeq/m² | Edel Long<br>M<br>Aeq/m² | Ripple M<br>Aeq/m² | Ripple L<br>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               |