

Lighting and Illumination Technology Experience
Limited

Architectural

Soft Light
Soft Sound
Soft Space

Light and acoustic comfort

In shared spaces – for work, study, dining, leisure – noise pollution caused by unwelcome sounds can have a negative impact on human psychophysical wellbeing. Lighting conditions also influence our mood and health, playing a fundamental role in the creation of a space suited to various needs. To supply proper lighting and greater acoustic control at the same time – for better comprehension of speech and reduction of noise propagation – makes it possible to generate a comfortable environment, contributing to boost wellbeing and productivity.

LITE Architectural

All-in-one Solutions

Expanding the theme of combined lighting effects and acoustic comfort LITE Architectural are pleased to introduce Acoustic Light "All-in-one" solutions.

Light and Acoustic comfort



Large Luminous Surfaces

Combining luxurious sound absorbing Kvadrat Soft Cell textiles with low resolution lighting effects.



OneSpace

Luminous fabric ceiling solutions enhancing acoustic performance.



Luceplan Acoustic

Acoustic lighting "All-in-one" pendants.



Penta lighting

Elegance and quality combined with an attractive and recognisable design.

Luceplan

All-in-one Acoustic Solutions

Luceplan has extensive experience in the creation of 'all-in-one' solutions that combine lighting technical lighting and sound absorbing performance.

A series of products that are true architectural parts capable of defining and personalising any space or context.

Lighting systems that combine solutions of decor and acoustic comfort for public and private settings.

With creative approaches to the highest performance to match the beauty of design to the quality of light: tailor made lighting that furnishes and customises space, its a perfect balance of technology and design.



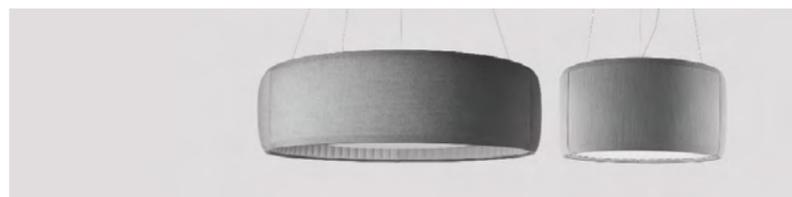
Luceplan Diade
Monica Armani



Luceplan Farel
Diego Sferrazza



Luceplan Petale
Odile Decq



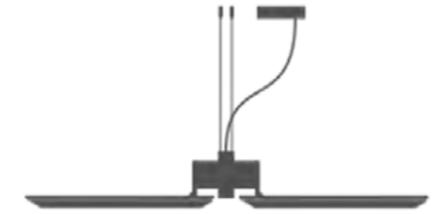
Luceplan Silenzio
Monica Armani



Luceplan Trypta
Stephen Burks

Luceplan Diade

A partition, a ceiling, that surprisingly becomes light. Rigorous linear design for the new Diade suspension lamp. After the success of Silenzio, Monica Armani continues her research on new technical lighting solutions that offer high levels of sound absorbing performance. A linear LED lamp for the work-place; a modular architectural feature capable of defining space and personalising the context.



The two "wing" panels can be positioned vertically or horizontally to create a partition or a large ceiling, sound absorption and the upper facing of spaces in a single strategy, eliminating the need for suspended ceilings. The panels, thermoformed with sound-absorbing wadding, are shaped and marked by lines that have a simultaneously decorative and structural role. The technical LED lighting, ideal for work, is directly downward and upwards by the central line, with the possibility of two beams, depending on lighting requirements.



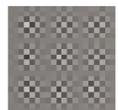
Chromatic Journey

The fabric of the covering complies with regulations for work spaces and public facilities and it is available in three different colours which generates a particularly refined couture effect. Diade is a technical lamp of great visual impact, with an evocative image, on or off, to add character and warmth to any space in a unique way.

Finishes



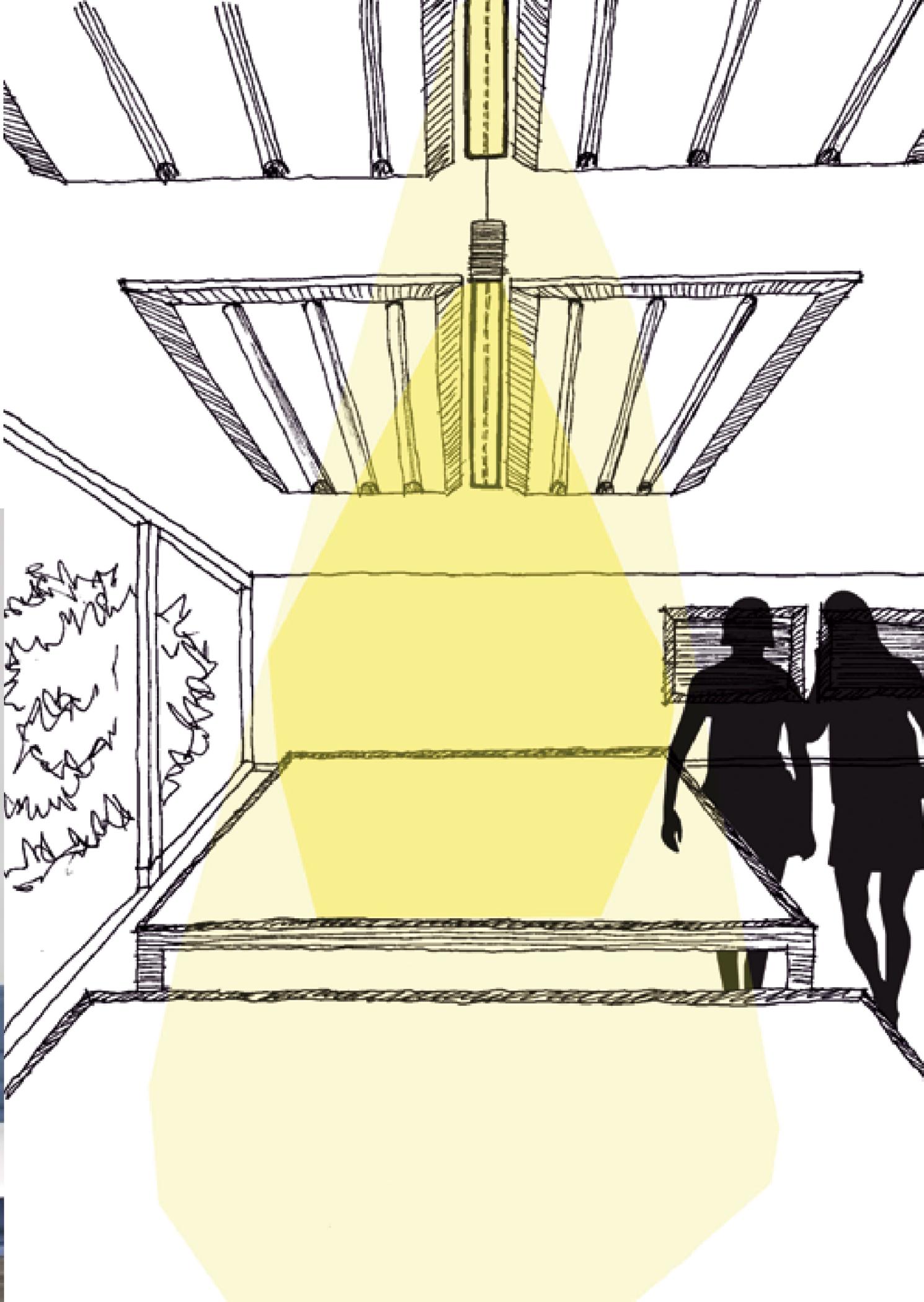
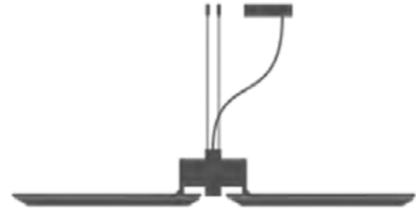
white/blue



white/black

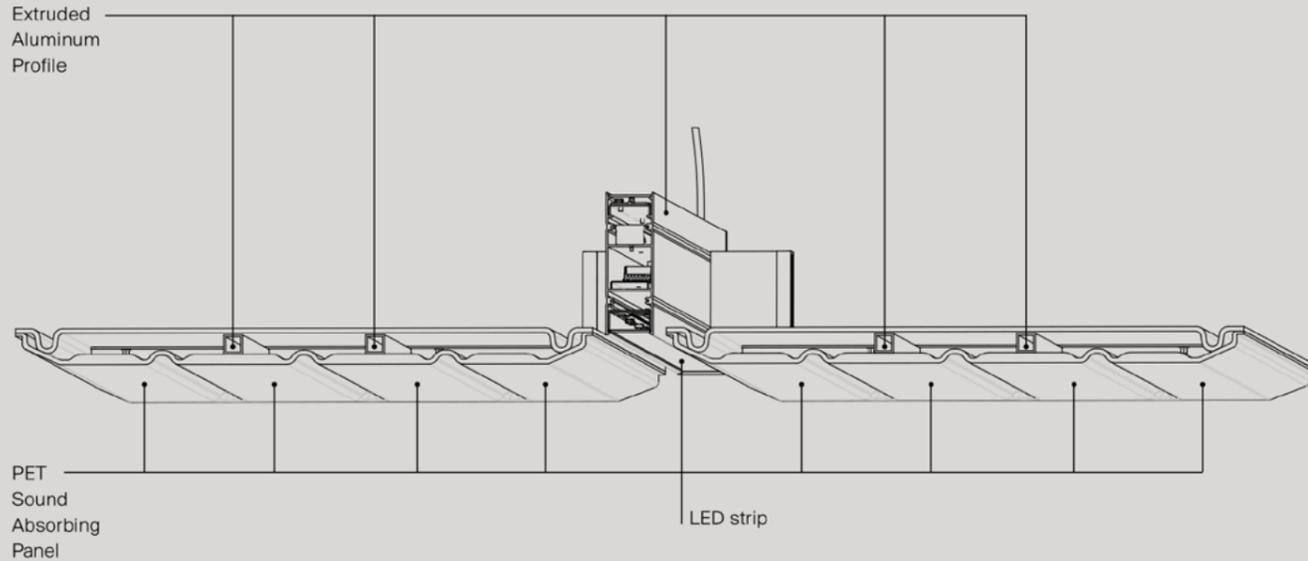
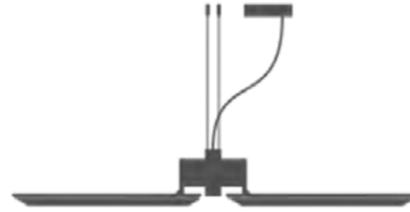


white/beige



Acoustic specifications

Background noise – particularly in modern buildings – can often be uncomfortably loud, due to the predominance of sound reflecting materials. The design of the room (shape, furnishings, surface finishes, etc.) influences the extent to which the sound level decreases in relation to distance. An unfurnished room with sound reflective surfaces, such as a church, is perceived as being more reverberant than a well furnished living room. The materials used in Diade provide sound absorption and prevent acoustic overlap, particularly in the case of human speech, which lies in the frequency range between 200 and over 3000 hertz (Hz). In this area the lamp achieves its best results thanks to its structure, which makes the sound waves “bounce” inside it. A conversation taking place immediately below the lamp Diade benefits from a high level of speech clarity, and general comfort is guaranteed.



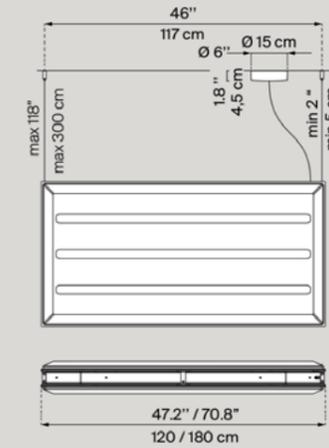
D93 DIADE

Light source EEL

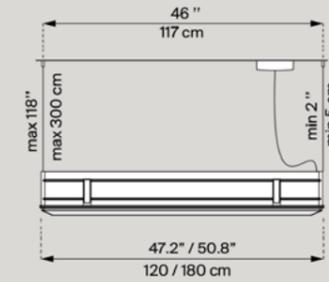
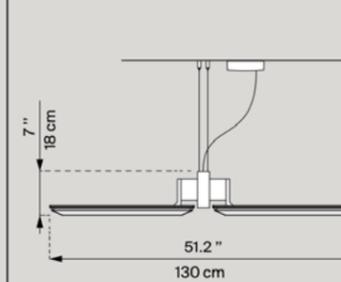
D93 120 cm
weight 12,0 Kg

D93 180 cm
weight 18,0 Kg

D93 (vertical configuration)



D93 (horizontal configuration)



- 120 cm version**
- direct version**
 - LED 54W 3000K (*) A++ dimmable push/DALI
 - direct/indirect version (**)**
 - 54W + 29W 3000K (*) A++ dimmable push/DALI
- 180 cm version**
- direct version**
 - LED 80W 3000K (*) A++ dimmable push/DALI
 - direct/indirect version (**)**
 - 80W + 46W 3000K (*) A++ dimmable push/DALI

D93/5
Kit 4 supports positioning vertical panels



D93/6
Kit 4 supports positioning horizontal panels



Materials lamp body in aluminium, sound absorbing panel in molded PET

Structure finishes  natural grey aluminium

Structure finishes  white / blue  white / black  white / beige

Insulation class   

(*) Power consumption by device
(**) Only for horizontal configuration

Luceplan Farel

For the first time in the Luceplan portfolio, Farel introduces an iconic dome structure, a neutral geometric form proposed in sound-absorbing thermoformed material with outer fabric cladding. The lamp can be personalised thanks to a combination of colours of the shade, ranging through cool, warm and neutral tones for the outside, combined with dark or pale hues for the inside.



Luceplan Farel

Typical application: client meeting room

Location analysis:

Those kind of areas are useful for a reserved space where the quality of conversation is the main goal. A space for interaction with digital systems as well as persons. A creative space.

Solution:

Focus the light on the working surface, create a more intimate space, juiced up by chromatics and material interactions between textile and metallic parts. The "dome effect" guarantee less sound dispersion and better effective communication.

Room data

L = 6 m
W = 4 m
H = 3 m

Fixtures installation

2 fixtures for 1 meeting table
1,6 m AFF

Lighting source used

Led 23W 2700K

Illuminance average

Post (average value) 678 lx

Before

Time of reverberation* 0,9 s

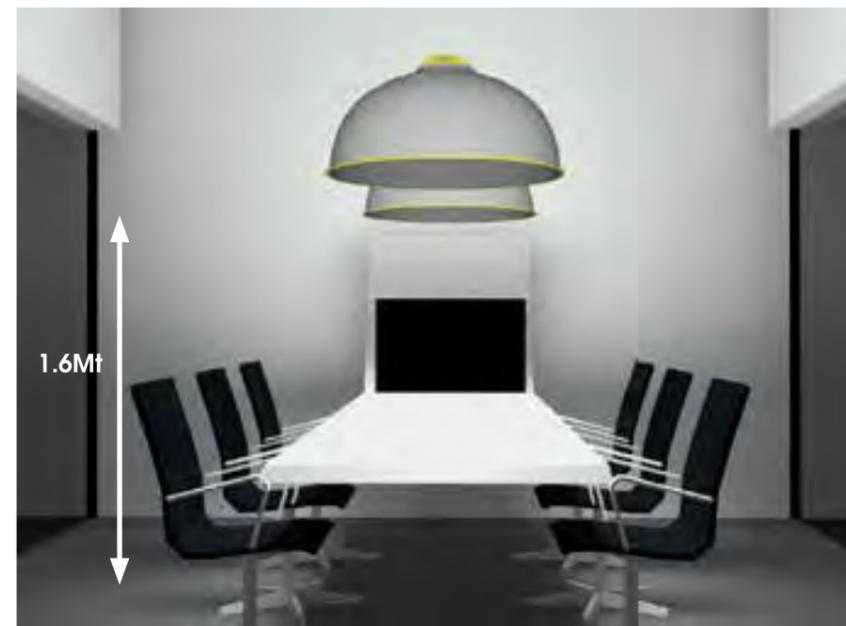
After

(+ 2 Farel)

Time of reverberation 0,82 s

Decrease of reverberation

about 15%**



* Measuring reverberation time allows the calculation of total sound absorption. Reverberation time varies according to the frequency. If reverberation time is too long, the space can have echoes and rumbles.

** The data is always approximate: the software doesn't take in consideration the position of the speaker and the position of absorbent surfaces.

Luceplan Pétale

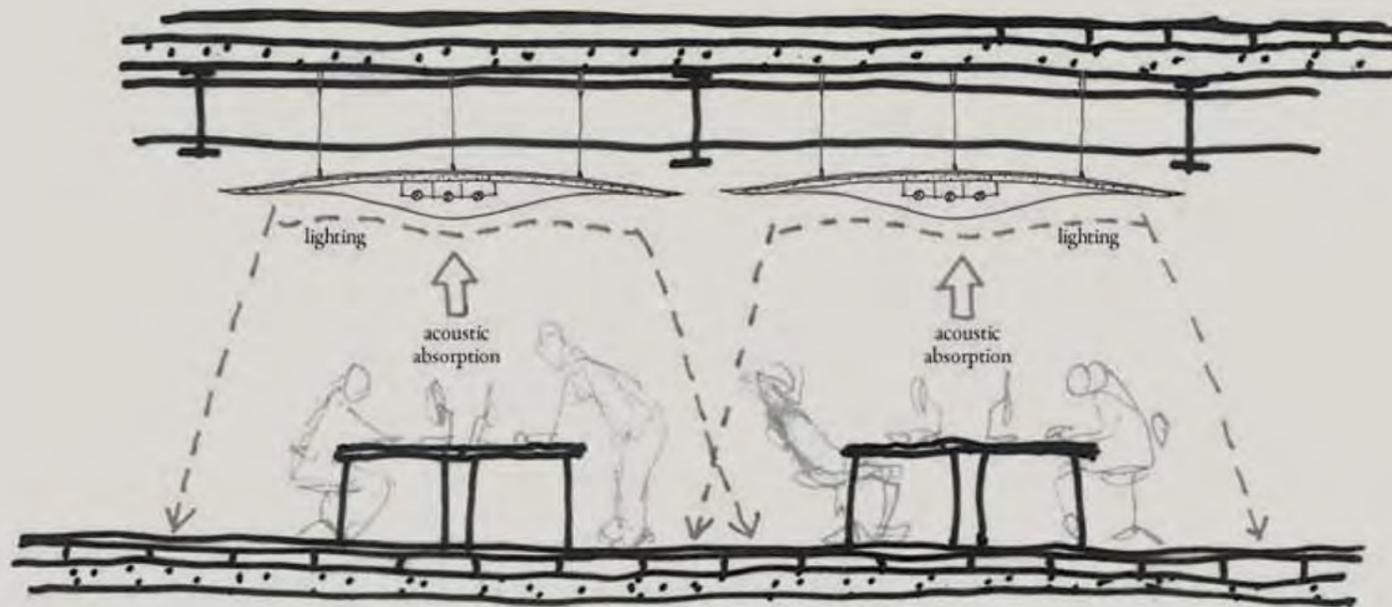
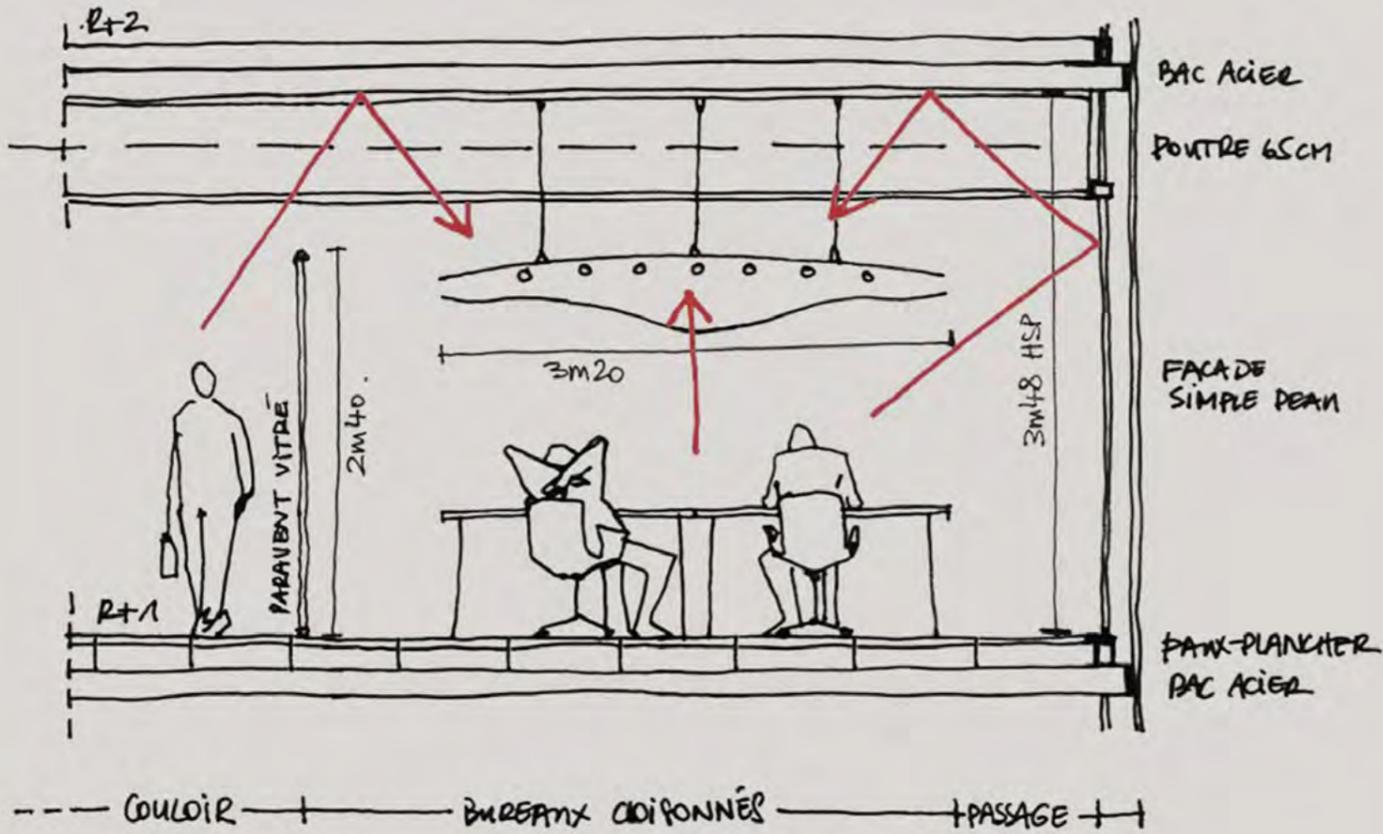
Pétale could be defined as a gracefully suspended petal that spreads soft, smooth white light. But the truly extraordinary feature of this object with an organic form is the way it absorbs sound. The body of the lamp, covered with white fabric, is made with a sound absorbing panel. The dome that supports the optic is in polycarbonate. While it is ideal for use in compositions of multiple 'light petals' in large spaces for hospitality and socialising, Pétale also performs its multiple functions perfectly as a 'soloist' in any inhabited context.





Luceplan Pétale

Technical Specifications

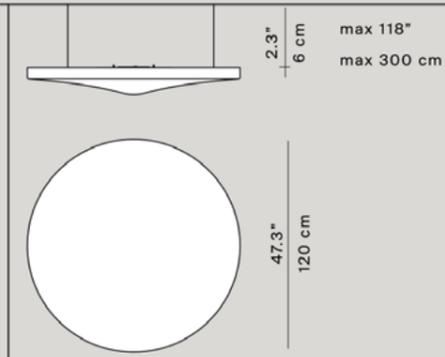


D71 PÉTALE

Light source

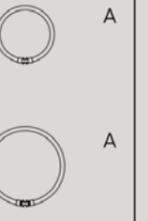
EEL

D71C
D71CL
weight 13,0 Kg

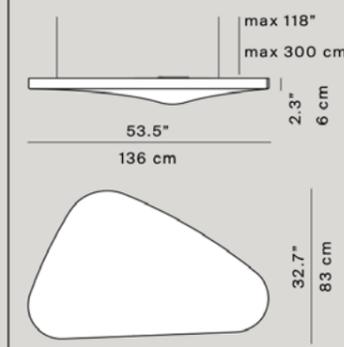


D71/2 (on/off) - D71/2D (DALI)
for D71P - D71P1 - D71C

- 22W FSC T5 2GX13 + 40W FSC T5 2GX13

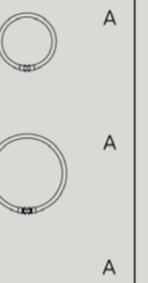


D71P
D71PL
weight 14,10 Kg

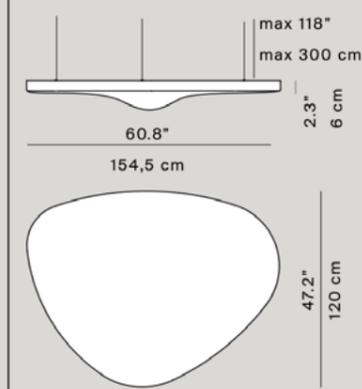


D71/2L (on/off) - D71/2DL (DALI)
for D71PL - D71P1L - D71CL

- 22W FSC T5 2GX13 + 40W FSC T5 2GX13 + LED strip 18W (**)

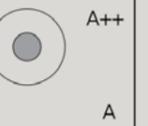


D71P1
D71P1L
weight 16,50 Kg



D71/6 DL (direct light push/DALI)
for D71PL - D71P1L - D71CL

- LED 40W (*) 3000K + LED strip 18W (**)



Materials sound-absorbing panel

Structure finishes white elastic tissue

Insulation class

(*) Power consumption by device
(**) with not dimmable LED low power strip on inside for light accent

Luceplan Silenzio

Silenzio by Monica Armani is a lighting system that combines furnishing solutions with high sound absorbing performance for public and private spaces, with the beauty of Kvadrat fabrics and exceptional quality of light: "tailor-made" lighting that decorates and personalises spaces, the perfect expression of the interaction of technology and design.



Luceplan Silenzio

Application



1

Model of application: restaurant

Location analysis: the quality of a restaurant is a combination of different factors: quality of food, service and environment and a good quality of speech combined with acoustic comfort.

Solution: the Silenzio suspensions are the perfect solution because they are simple shapes which enrich the spaces thanks to the high quality of the textiles; they diffuse a comfortable light and provide high levels of acoustic absorption.

2

Room data:

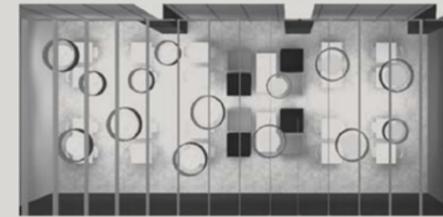
L = 15 m
W = 7 m
H = 5,5 m

Different height from 2,5 mt to 2,9 mt AFF

Lighting source used:
LED module 30W

Fixtures installation:
5 x Silenzio Ø 90 cm
9 x Silenzio Ø 120 cm

Illuminance average:
Table (min) 180 lx
Table (max) 452 lx



3

Before: time of reverberation* 3,16 s

After: (with Silenzio) time of reverberation 1,55 s

Decrease of reverberation: about 51%**

Measuring reverberation time allows to calculate total sound absorption. Reverberation time varies according to the frequency. If reverberation time is too long, the space can have echoes and rumbles.

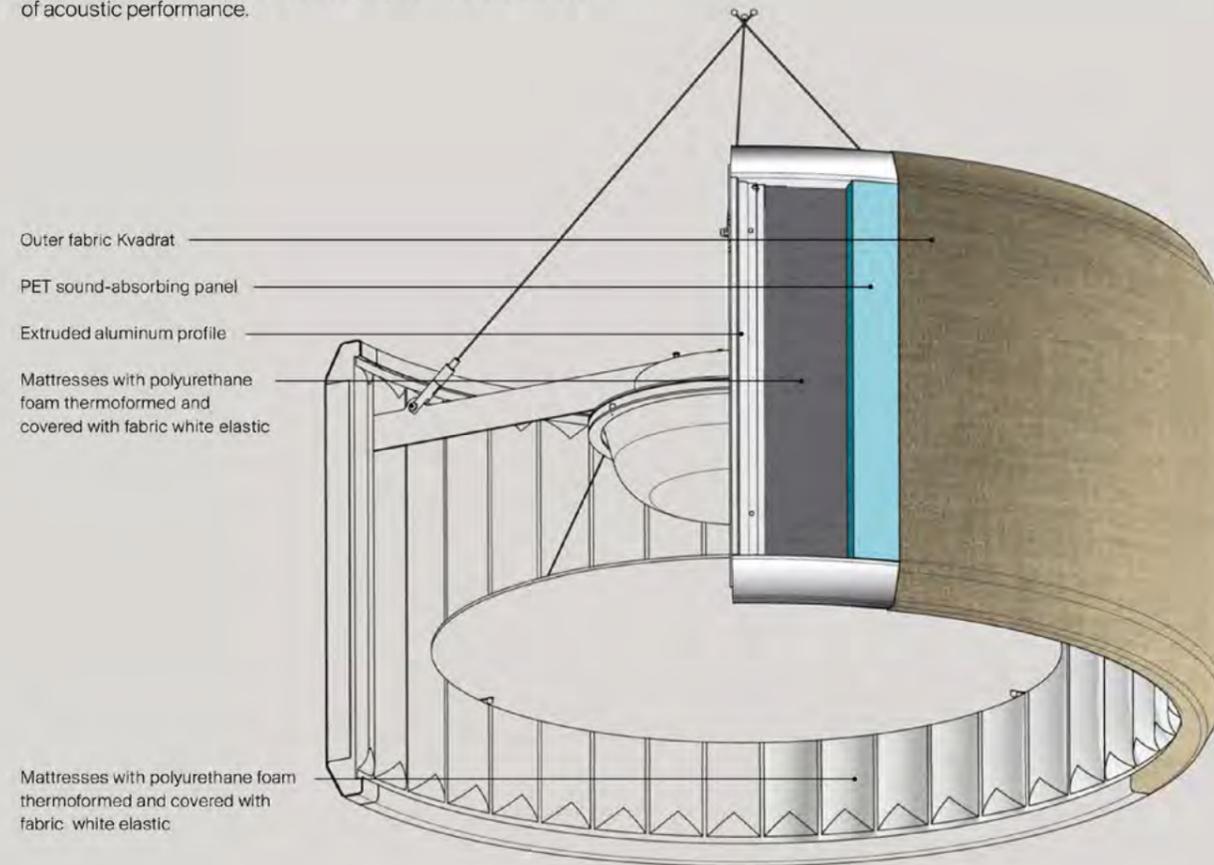
The data is always approximate: the software doesn't take in consideration the position of the speaker and the position of absorbent surfaces.



Luceplan Silenzio

Technical Specifications

Silenzio is made with layers of different sound-absorbing materials. An inner expanded polyethylene is covered with an external fabric, while the internal polyurethane foam boosts the level of acoustic performance.



D79 SILENZIO

Light source

EEL

D79/90c

weight 17,0 Kg

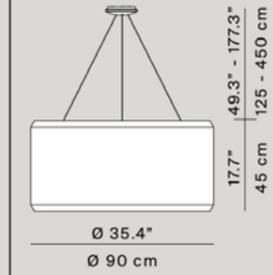
D79/120c

weight 22,0 Kg

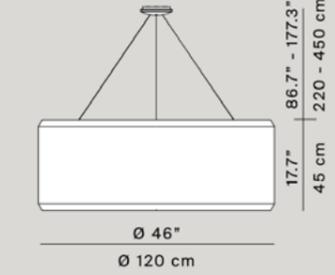
D79/150c

weight 29,0 Kg

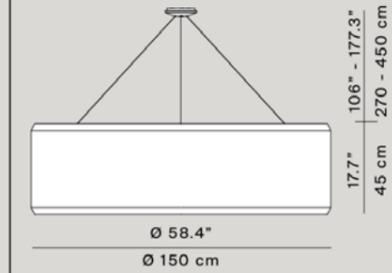
D79/90c



D79/120c



D79/150c



D79R/03 (**)

- 3 x LED E27
- 3 x max 105W HSGSA E27 energy saver

A

D

- 3 x 23/27W FB E27

A

D79R/10 (**)

- LED 44W (*) 3000K

A

D79R/11 (**)

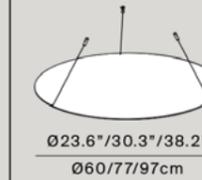
- LED 44W (*) 2700K

A

(**) including ceiling rose and suspension cable

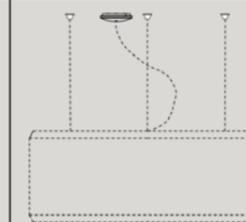
D79R/07

bottom screen



D79R/09

suspension kit



Materials

aluminium structure and Kvadrat textile Remix 2 (90% wool, 10% nylon)

Structure finishes

white

Insulation class



(*) Power consumption by device

Luceplan Trypta

Trypta is a system of suspension lamps that offers a combination of acoustic features and lighting performance in various dimensions and colours. The cylindrical aluminum body is equipped with two LED sources to provide both direct and indirect diffused light. Three slots along the body of the lamp permit assembly of three acoustic panels positioned at 120°. The core of the panels is made of a high performance soundproofing material, covered with an elegant fabric offered in different colours. The body of the lamp comes in two lengths while the panels are available in a range of different sizes, as it is possible to create varied configurations - flat, shifted and mixed by combining panels in different measures and positions.



Luceplan Trypta

Technical Specifications

Standard collection



01 Light grey



02 Medium grey



03 Dark grey



Solid collection



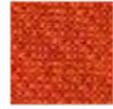
06 Peach



15 Orange



19 Mustard



29 Brick



31 Brown

Trypta adapts perfectly to any space thanks to two separately activated light sources connected to the extremities of a central column, to provide both direct and indirect lighting. Its decorative character is underscored by the panels clad in flame-retardant knit fabric, giving Trypta a unique personality.

Our suggested mix



01



02



03



29



29



29



06



15



19



01



02



31



Luceplan Trypta

Technical Specifications

Panels 30 cm width	Body L 90 cm 3 panels 30 x 60 cm flat version	Body L 120 cm 3 panels 30 x 60 cm shift version	Body L 120 cm 1 panel 30 x 60 cm 1 panel 30 x 75 cm 1 panel 30 x 90 cm mixed version	Body L 120 cm 3 panels 30 x 90 cm flat version
	D97/1D + 3 x D97C36	D97/2D + 3 x D97C36	D97/2D + 1 x D97C36 1 x D97C37 1 x D97C39	D97/2D + 3 x D97C39
Panels 45 cm width	Body L 90 cm 3 panels 45 x 60 cm flat version	Body L 120 cm 3 panels 45 x 60 cm shift version	Body L 120 cm 1 panel 45 x 60 cm 1 panel 45 x 75 cm 1 panel 45 x 90 cm mixed version	Body L 120 cm 3 panels 45 x 90 cm flat version
	D97/1D + 3 x D97C46	D97/2D + 3 x D97C46	D97/2D + 1 x D97C46 1 x D97C47 1 x D97C49	D97/2D + 3 x D97C49

Structure	D97/1 D	D97/2 D
D97/1D D97/2D direct/indirect light dimmable push/DALI		

Panels 30 cm width	D97C36	D97C37	D97C39
Panels 45 cm width	D97C46	D97C47	D97C49

Light source	D97/1D - D97/2D	dim to warm LED module 2 x 20W 3000K CRI 97	A+
Materials	Structure in painted extruded aluminium, panels in acoustic material covered with flame retardant fabric		
Structure finishes	<input type="radio"/> Matt alu <input type="radio"/> Matt white		
Panel finishes	Standard collection <input type="radio"/> Light grey <input type="radio"/> Medium grey <input type="radio"/> Dark grey Solid collection <input type="radio"/> Peach <input type="radio"/> Orange <input type="radio"/> Mustard <input type="radio"/> Red <input type="radio"/> Brown		
Insulation class			

Penta

Penta design

Elegance and quality combined with an attractive and recognisable design, have allowed Penta to be a point of reference in the decorative lighting sector. Melting together simplicity of shapes and a sophisticated combination of materials, real design craftworks are created thus enhancing refined atmospheres both in the residential and contract sectors.



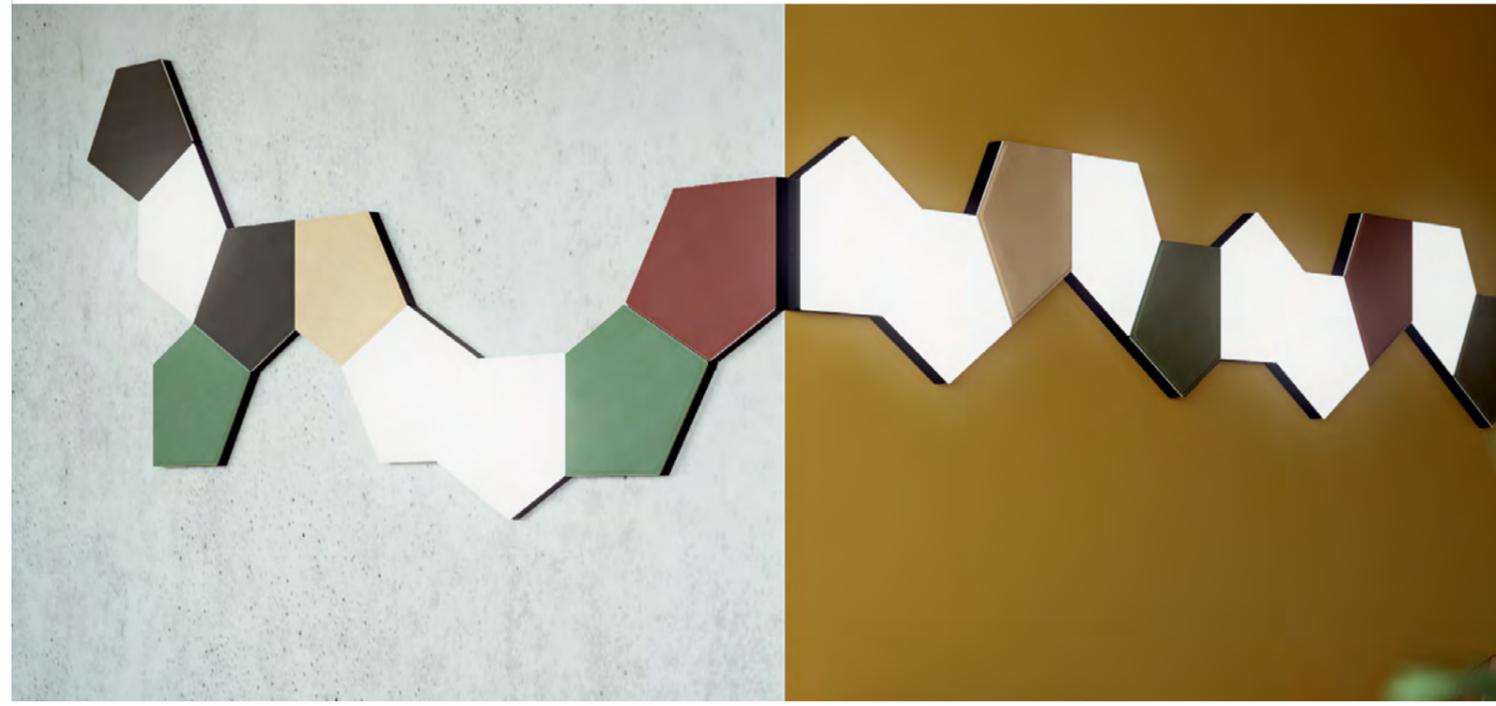
Penta Feel
Sara Moroni



Penta Hang Out
Brogliato Traverso



Penta Tile
Sebastiano Tosi



Penta Feel

Feel comes from the combination of sound absorbing textile discs and luminous stems. The coloured discs, in matching or contrasting colours, give life to ever changing configurations, to be suspended from the ceiling or fixed to the wall, in order to absorb noise and enjoy silence.



Penta Feel

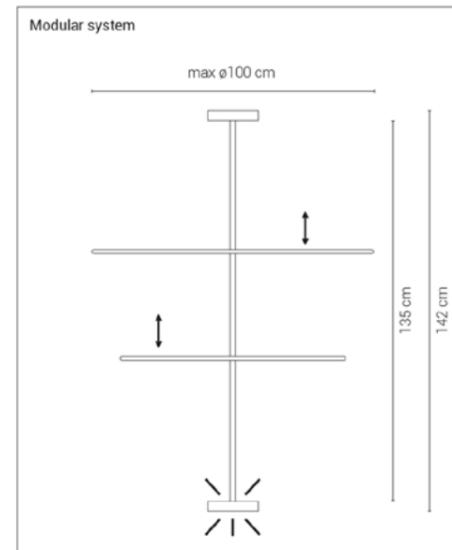
Technical Specifications

Modular suspension with metal structure in three sizes available graphite, gold and pink gold matt finishes. Sound absorbing fabric discs are available in three diameters with the following colors: bordeaux, dark blue, petroleum, brick, sand, light grey, dark green.

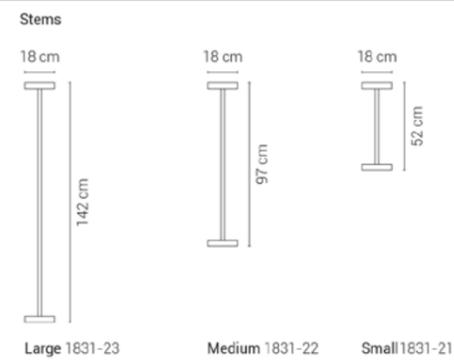
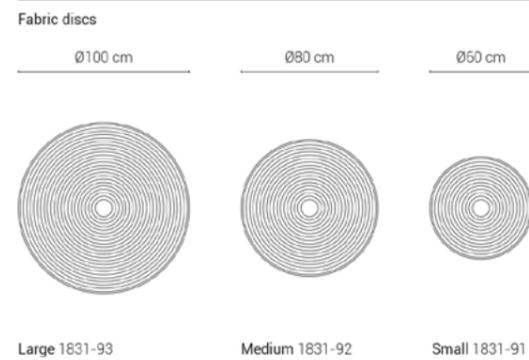
Discs are also available as a single decorative element, without light. Innovative product which mix together lighting and sound proofing technology reducing the annoying acoustic reverberation, allows life and work in quiet and more confortables spaces .



Mounting	Suspension
Environment	Indoor
Materials	Metal and sound-proofing fabric
Voltage	230V 50/60Hz
Source	2x 13W LED - 3000K
Lumen	2x 1300lm
Dimming	NA

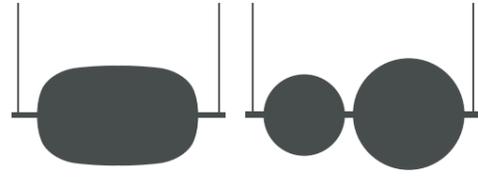


Feel elements



Penta Hang Out

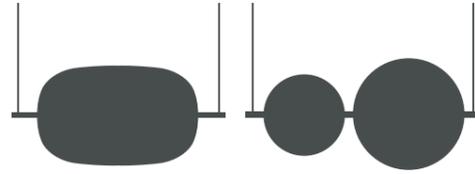
Hang Out is a suspension and wall lamp. On the bar a double LED light source of oval and circular panels of different materials, sizes and colours are freely inserted, these become not only decorative elements but also architectural elements. The design of Hang Out is simple and contemporary, suitable for any type of environment.



Penta Hang Out

Technical Specifications

Lamp body in painted aluminum. Panels in lacquered wood, stained ash, sound absorbing material in PET fiber covered in coloured fabric. Panels are available in different shapes and sizes: three circles (small, medium, large) and two ovals (small, medium).



1906-31 Hang Out wall (single)
1906-33 Hang Out wall (single)

Indoor
LED Total power 48W
Color temperature 3000K
Lighting output 2200lm (DIR)
200lm (INDIR)

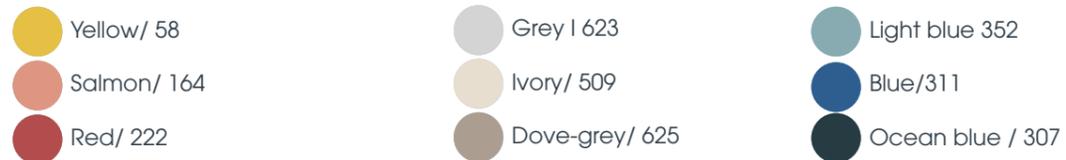
CRI 90
Dimmable Push DALI / 0-10V
IP Rating IP20

1906-20 Hang Out suspension (single)
1906-21 Hang Out suspension (double)
1906-22 Hang Out suspension (naked)

Indoor
LED Total power 48W
Color temperature 3000K
Lighting output 2200lm (DIR)
2200lm (INDIR)

CRI 90
Dimmable Push DALI / 0-10V
IP Rating IP20

Panel finishes: matt laquered MDF / fabric sound*



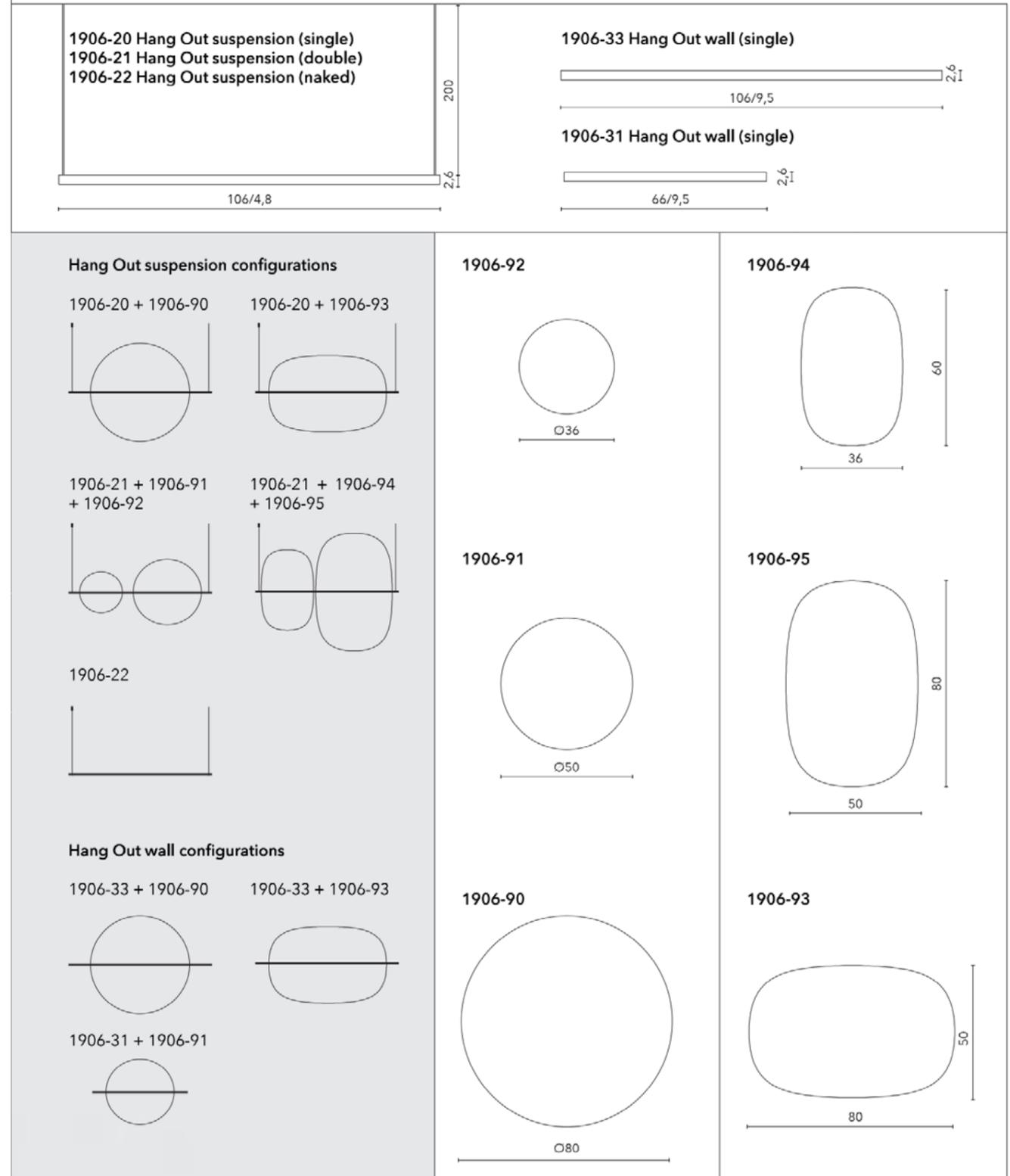
Panel finishes: ash



Lamp body finishes



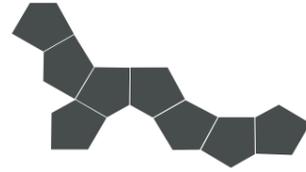
*1906-90; 1906-95 only



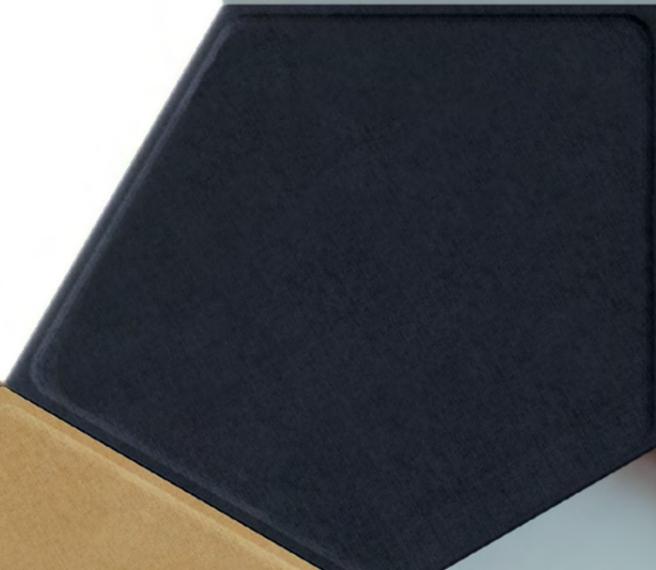
Penta Tile

Tile is a wall and ceiling lamp. The modularity of the pentagonal structure allows it to create infinite patterns and infinite color combinations depending on the arrangement of each single element within a space. An object with a strong visual impact in which the decorative and aesthetic function fits perfectly with the technical and functional one.

The dual nature of each individual element is one of Tile's peculiarities. The panel, in painted metal, can be a light point or an acoustic corrector. In the most sophisticated version of the lamp, panels with differing functions can be placed next to each other.



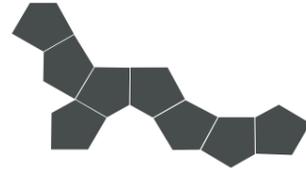
Modularity is the soul of Tile. A flexibility that allows the creation of infinite shapes and geometries depending on the combination of the panels used. Flexibility that can also be found in the possibility of alternating between gloss, opaque or textured panels and in the choice of different colours. Tile's decorative ductility also manifests itself in the possibility of creating a composition on different spatial planes, using the panels across the corners created by adjacent walls or between walls and ceilings.



Penta Hang Out

Technical Specifications

PMMA diffuser from opal white. Painted aluminum structure. Sound absorbing panel in PET fiber covered in coloured fabric. Possibility of combining the single module in different compositions.



1903-90 Tile decorative element

1903-40 Tile light element

Indoor
LED Total power 15W
Color temperature 3000K
Lighting output 1300lm

CRI 90
Dimmable Push DALI / 0-10V
IP Rating IP20

Structure

● Matt graphite

Fabric

● Light grey 643

● Anthracite 607

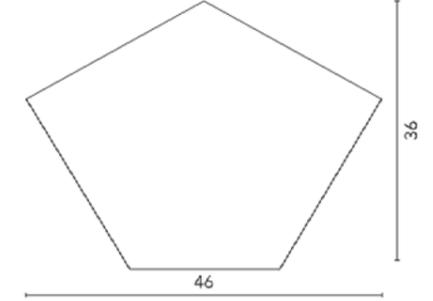
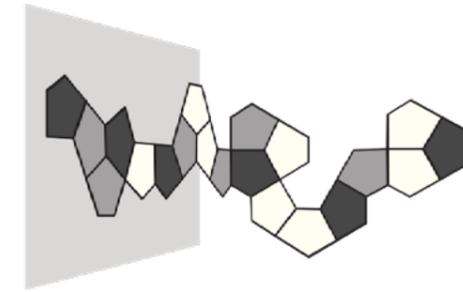
● Light green 426

● Dark blue 333

● Bordeaux 234

● Petroleum 411

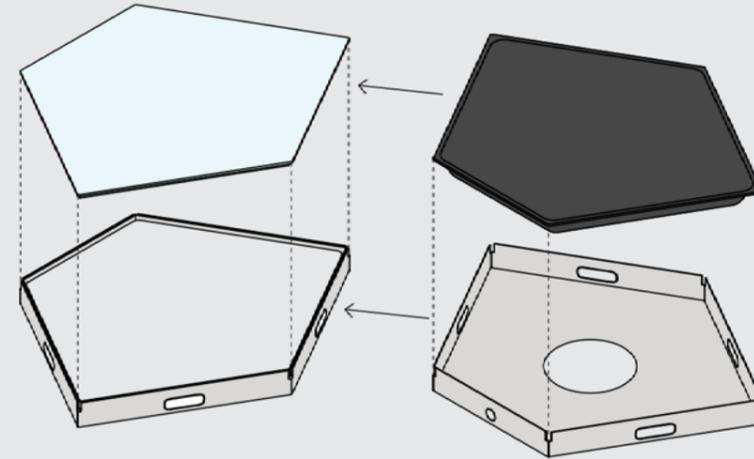
● Mustard 53



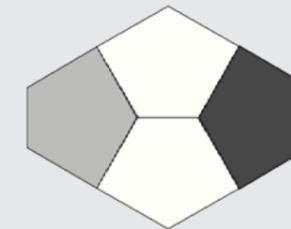
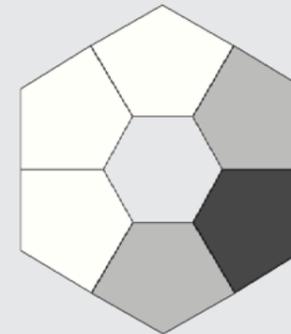
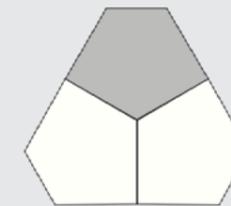
1903-40 Light element

+

1903-90 Decorative element Sound absorbing



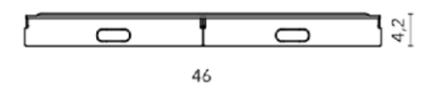
Compositions



1903-40 Light element



1903-90 Decorative element



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