

Sound Absorbent Solutions

LUXIONA

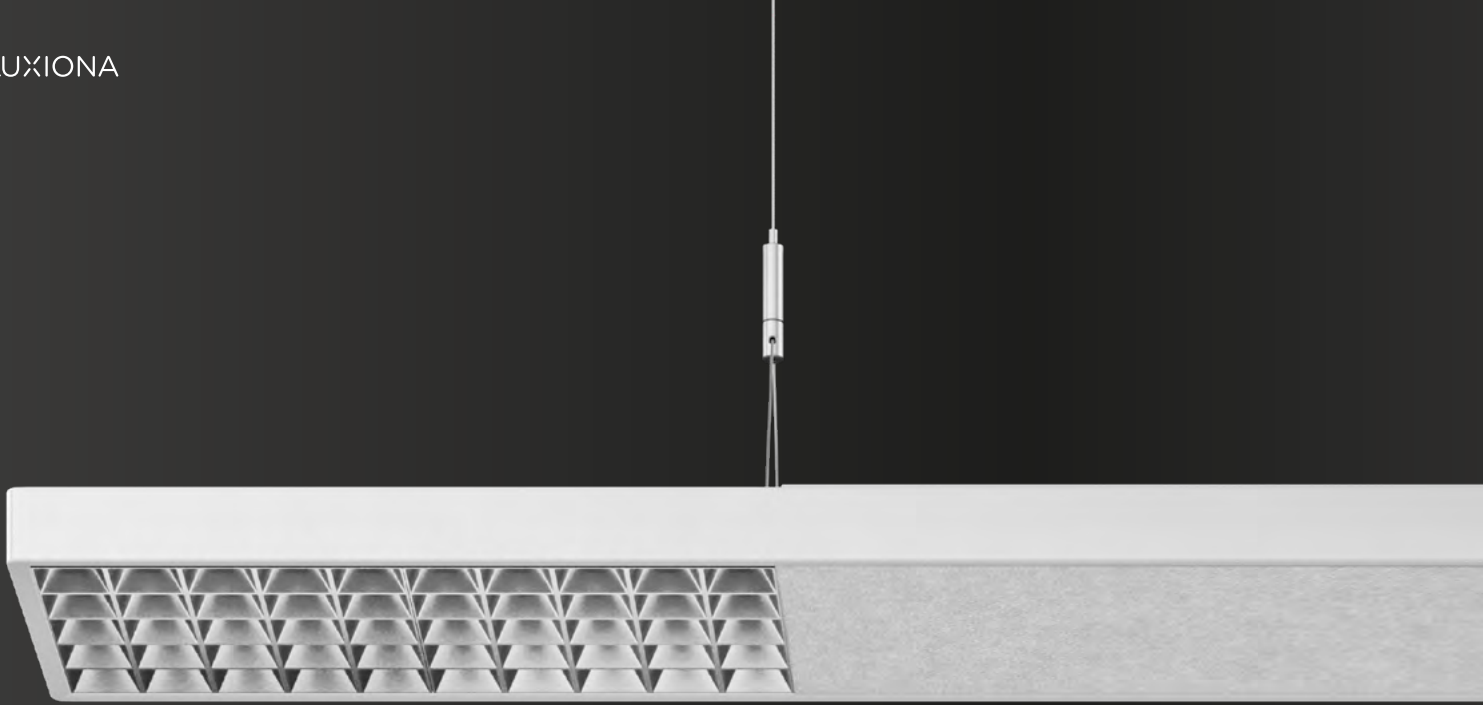
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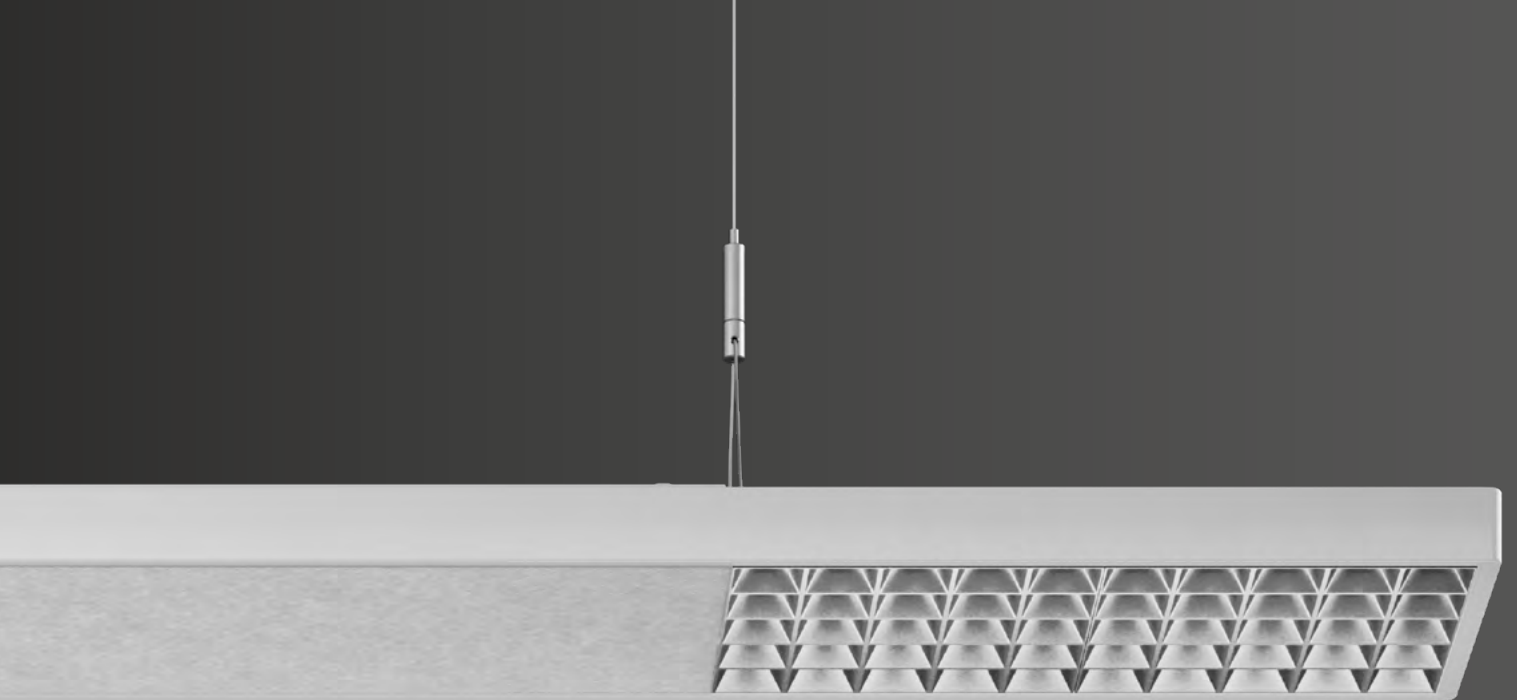
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LUXIONA

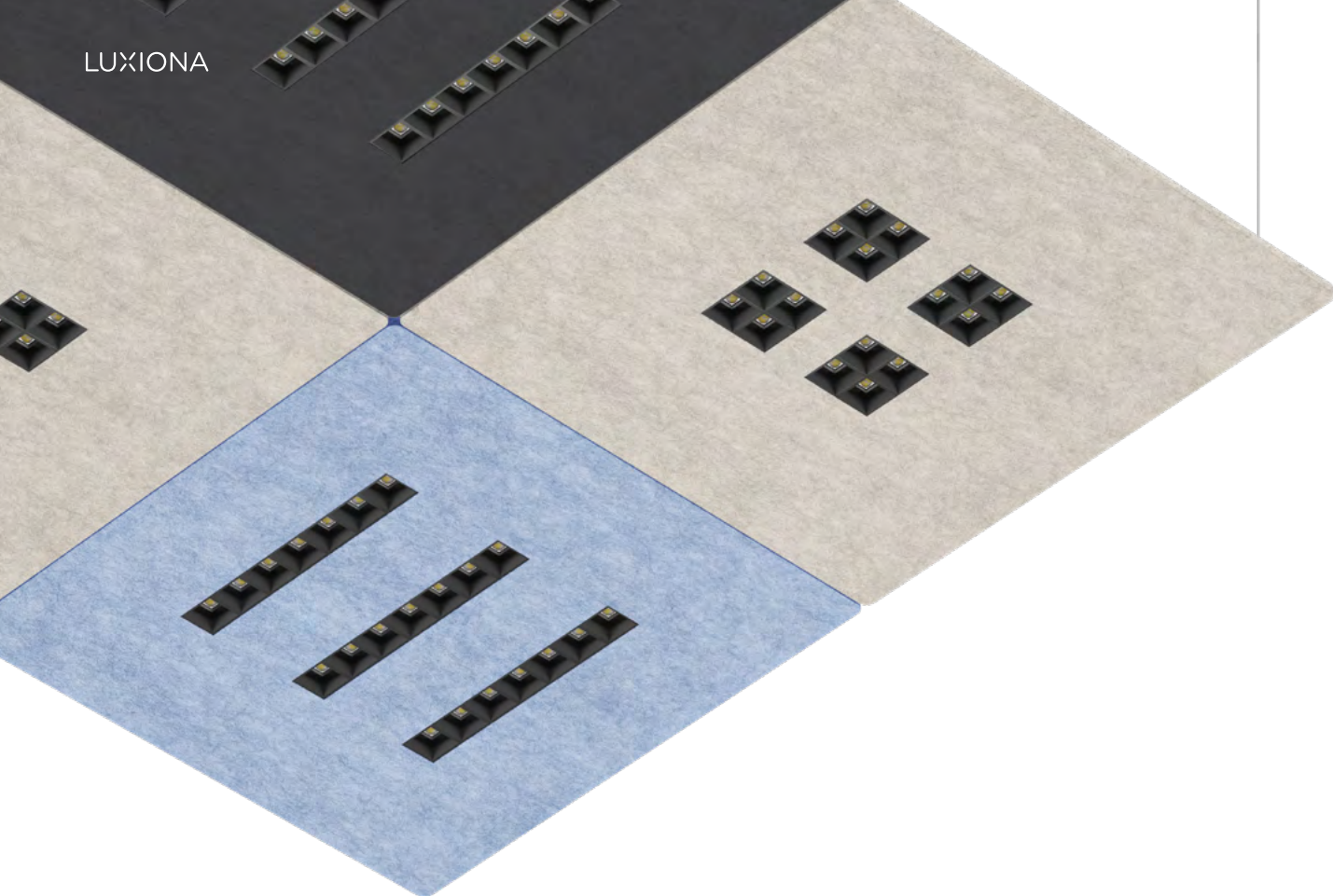
LUXIONA





Sound absorbent solutions

Noise pollution, often being a result of open-plan layouts and increased collaborative work settings, stems from conversations, foot traffic, and ambient sounds, disrupting focus, hindering communication, and raising stress levels. This impairs productivity and creative thinking and can even lead to fatigue, burnout, and lower job satisfaction. To reduce these issues, sound absorbent luminaires provide a versatile solution that combines lighting and sound absorption. Incorporating sound-absorbing materials, these fixtures dampen reverberations and sound wave propagation and enhance speech clarity on top of exceptional lighting parameters and efficiency. Moreover, LUXIONA luminaires offer aesthetic diversity, coming in various designs, sizes, and colours, seamlessly complementing office decor.



Aribau Sound Absorbent

Visual and acoustic comfort

Sound Absorbent Luminaires for elevated productivity and well-being

At LUXIONA, we pride ourselves on delivering lighting solutions that not only enhance aesthetics and lighting performance but also address the critical issue of noise pollution. Our latest solutions, sound-absorbent luminaires, represent a holistic approach to improving acoustic quality in various environments.

By incorporating advanced sound-absorbing materials in our luminaires and strategically combining them with other carefully selected technologies, we have created a seamless integration of lighting and acoustic comfort. This combination not only optimizes the visual aspect of spaces but also mitigates the negative effects of noise pollution.

The benefits of our sound-absorbent luminaires extend across diverse settings. In office environments, employees will experience heightened concentration

levels and improved well-being, leading to increased productivity and job satisfaction. This effect positively impacts talent retention. Also, restaurants and chill-areas will provide enhanced privacy and clarity during conversations, elevating their overall experience and ensuring that customers will come back.

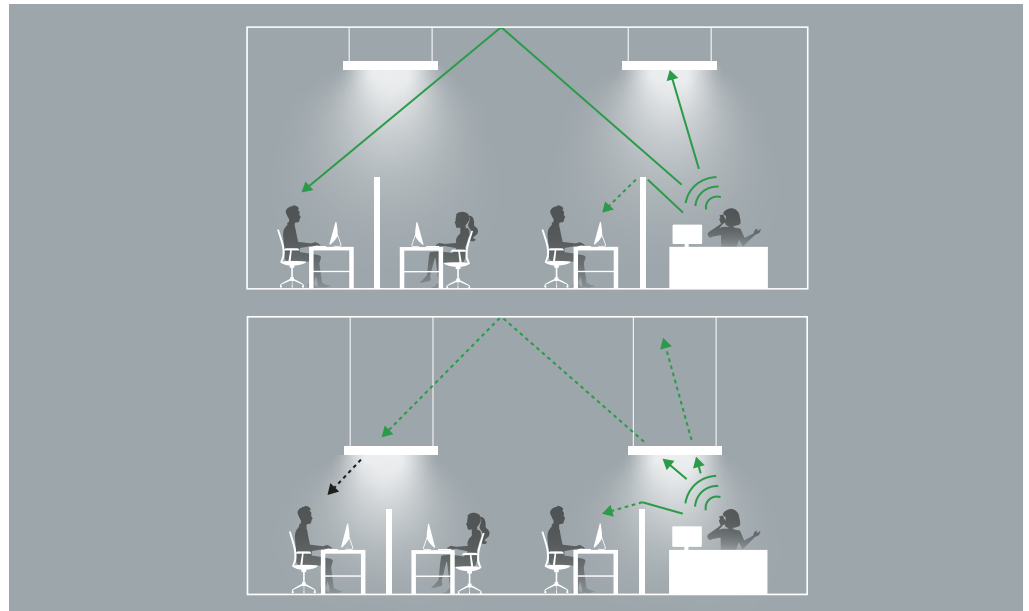
The integration of acoustic comfort into our best lighting solutions adds value for end-users and empowers designers of tertiary spaces with versatile tools. By offering lighting solutions that prioritize both visual and acoustic comfort, we ensure a harmonious and enjoyable environment for users across various applications.

Types of installation of acoustic solutions

In various rooms, depending on their acoustic properties, the materials used, and their intended use, there may be a demand for different types of installation of sound absorbent.

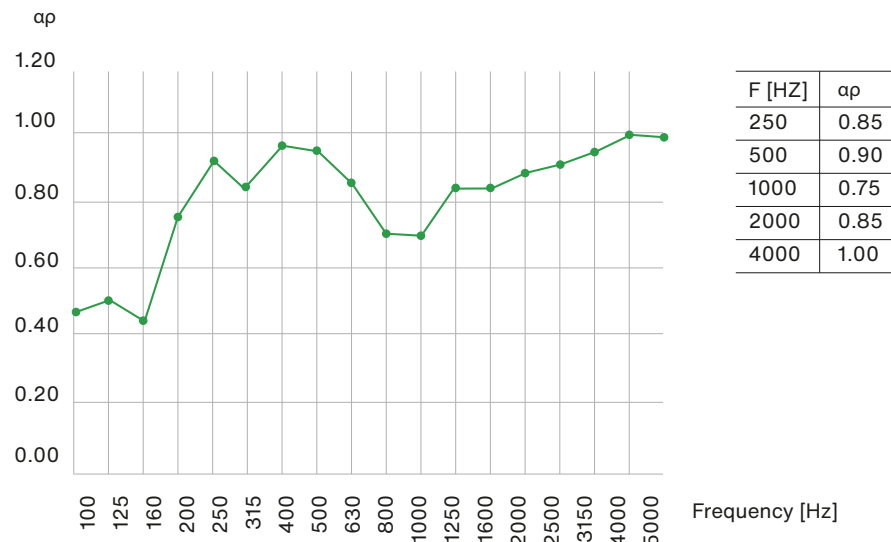
Specifically suspended units are utilized as solitary islands above workstations, it is recommended to install the luminaires as close to the workstations as possible. This positioning allows for more efficient absorption of sound waves generated within the immediate vicinity of the workspace. Moreover, the suspended units should adequately cover the work area.

Suspended units as a complement are recommended to divide the suspended units into smaller, evenly distributed units across the entire ceiling area. By employing smaller units spread across the ceiling, sound absorption is enhanced throughout the space, ensuring a more balanced and consistent reduction of ambient noise.



Rating according to ISO 11654: 1997
Weighted sound absorption coefficient

$\alpha_w=0,85(H)$
Sound absorption class: Class B





X-Line Pro Sound Absorbent

LUXIONA's Acoustic Solutions

LUXIONA's latest offer comprises three distinct types of acoustic luminaire solutions, each tailored to address specific acoustic challenges in various workspaces. By offering three distinct acoustic luminaire solutions, LUXIONA caters to diverse workplace needs, providing professionals with efficient tools to optimize acoustic comfort and enhance overall employee well-being and productivity.

Standard colours:



Azure
Blue



Poppy
Red



Wolf
Grey

Customised colours:



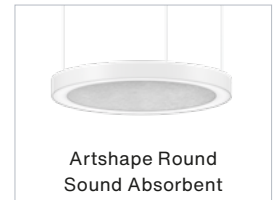
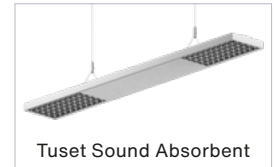
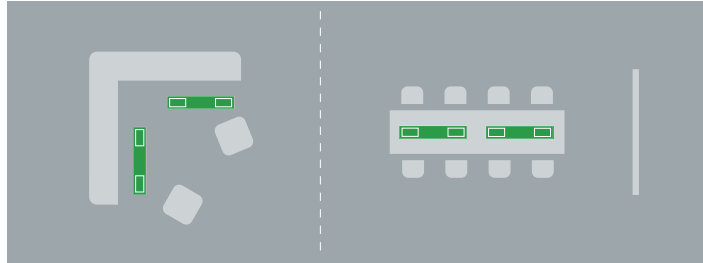
Absorbent material: PET

Absorbent thickness: 9 mm,
12 mm (on request)



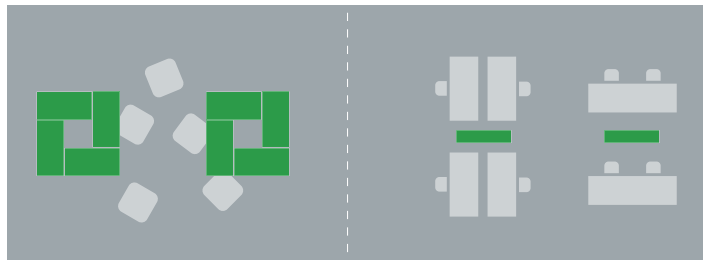
Horizontal suspended

The acoustic luminaire design incorporates sound-absorbing materials to minimize sound reflections from the ceiling and the floor. This solution is well-suited for conference rooms, meeting areas, and communal spaces where clear communication and effective audio conferencing are essential while preserving face to face live communication.



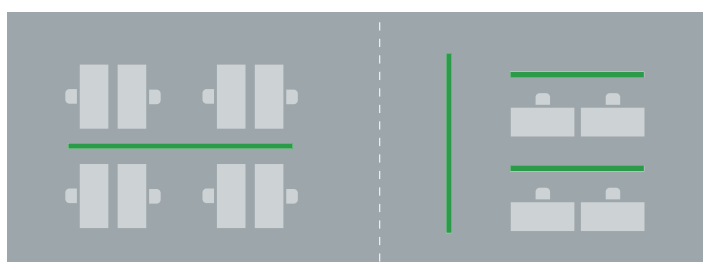
Island-type solutions for very noisy workplaces

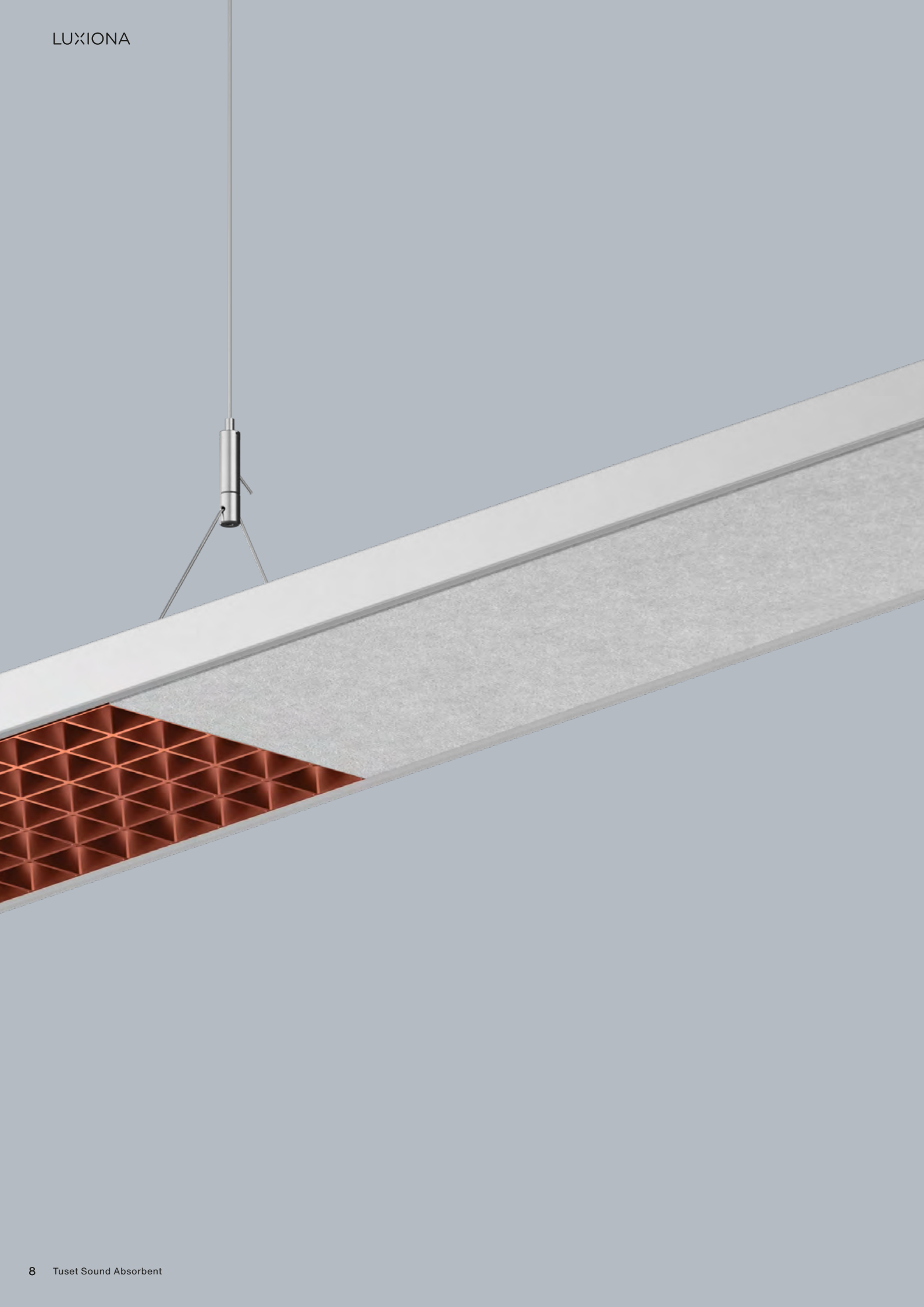
Island-type acoustic luminaires are designed to create self-contained acoustic islands within exceptionally noisy work environments. These luminaires are effective in absorbing and diffusing sound waves, providing a serene and controlled acoustic space. They are recommended for big open spaces, meeting areas, food corners and other office spaces where noise levels can be overwhelming.



Waffle solutions between workstations

These acoustic luminaires are strategically positioned between workstations to effectively absorb and reduce sound reflections in open-plan office settings. By mitigating noise propagation, they create a more focused and private working environment by cutting the sound waves between benches. Waffle solutions are ideal for busy office areas with high interaction and communication demands, such as collaborative workspaces and team zones.







Tuset Sound Absorbent

This luminaire has been specially developed for modern office environments, combining premium lighting performance with a distinctive, architectural design. Its unique geometry and reduced-profile metal housing bring a refined, contemporary look to workspaces — all while maintaining seamless integration with various interior styles. Equipped with a high-efficiency louvre optic for direct light emission, it ensures optimal visual comfort by delivering maximum luminous output with minimal glare. A central PET acoustic panel, elegantly integrated between the louvres, enhances acoustic comfort, contributing to a more pleasant working atmosphere. With a wide range of customizable body and louvre colour combinations, this luminaire not only illuminates, but also elevates office interiors with both function and aesthetic appeal.



Horizontal suspended

Tuset Sound Absorbent: Specially adapted versions for our Tuset family.

Designed explicitly for adding sound absorbent properties to our top range of Tuset luminaires, among these adaptations, we offer the Tuset L-Down Led 5000 louver in three standard colours: Silver, Black, and Copper, with sound absorbent material in standard versions in grey, red and blue. By strategically integrating sound-absorbing

materials, these luminaires effectively minimize sound reflections from the ceiling and floor, creating a more acoustically pleasing environment. Our customers have the flexibility to choose from the standard colour options or the customised versions available upon request.





Louver standard colours:

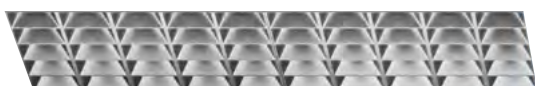
black



white



silver



copper



Acoustic material standard colours:

Azure Blue



Poppy Red



Wolf Grey



Customised colours:

Moonlight

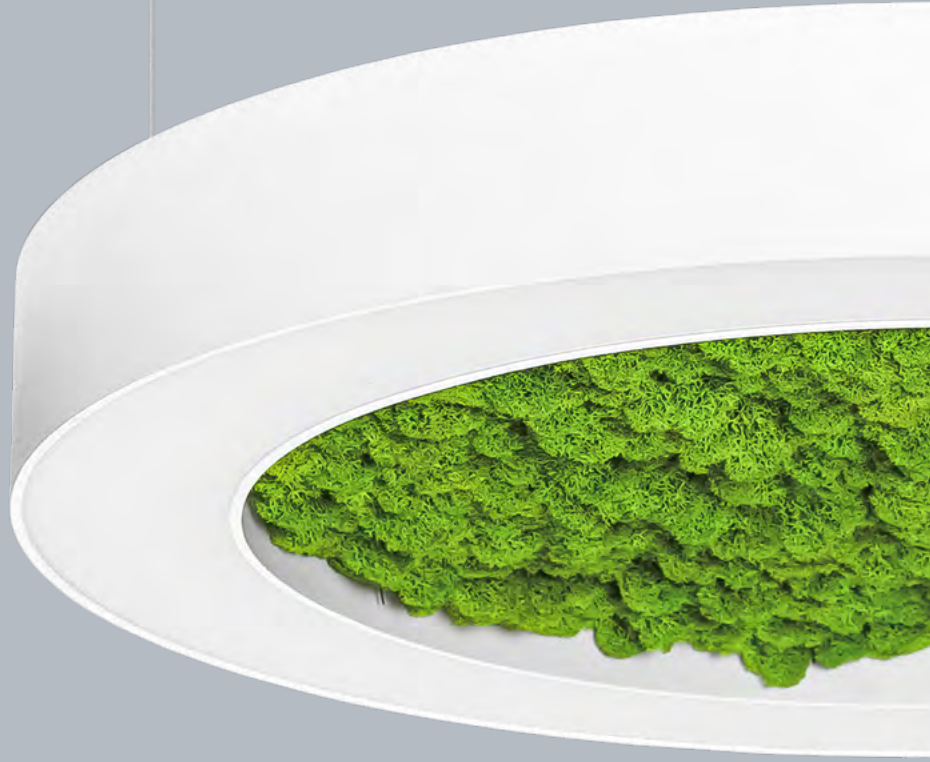


Moonstone Grey



Spring Sky







Artshape Round Sound Absorbent

The Artshape Round Sound Absorbent is a striking architectural luminaire that brings together elegant form, advanced lighting, and acoustic properties. Its minimalist, round shape adds a modern and welcoming touch to interiors, visually enlarging spaces while offering high-quality, illumination. What sets this luminaire apart is its sound-absorbing accessory, available in two exceptional finishes: natural reindeer moss or PET acoustic felt. The accessory is available for Artshape Round Edge Small luminaire range.



Designed for visual and acoustic harmony

The distinguishing feature of Artshape Round Sound Absorbent is its acoustic panel, available in two versions, both supporting interior's aesthetics and user's well-being.

Sound absorbing materials enhance acoustic comfort by reducing echo and noise add a bold, textural element to the interior design. Reindeer moss panel is a natural material with air-purifying and moisture-regulating properties. It's soft, resilient, and maintenance-free qualities – bring a natural, Scandinavian-inspired aesthetic. PET acoustic felt – made from recycled materials, offers excellent sound

absorption and sustainable value. Both versions enhance the luminaire's ability to reduce reverberation and improve the acoustic quality of the space. Ideal for open-plan offices, lobbies, or high-end commercial interiors, Artshape Round Sound Absorbent provides a perfect synergy of aesthetics, functionality, and comfort.



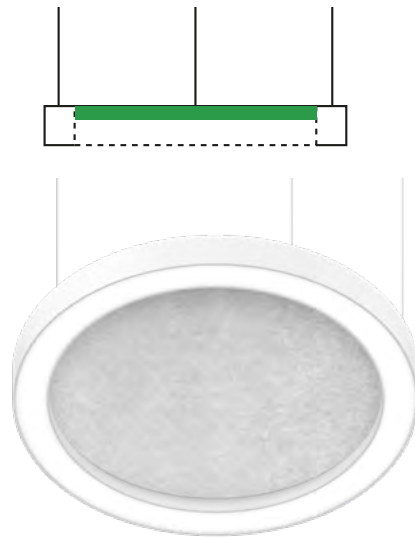
PET
material



reindeer
moss

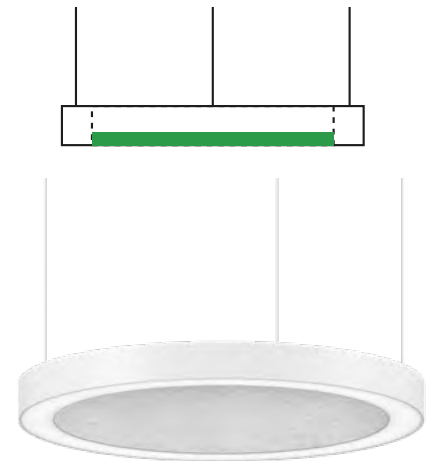
Set back Acoustic Panel

In the recessed installation version, the acoustic panel is positioned deeper within the luminaire's body, creating a sense of visual depth and layered design. This setup introduces a subtle shadow effect, adding character and dimension to the lighting installation.



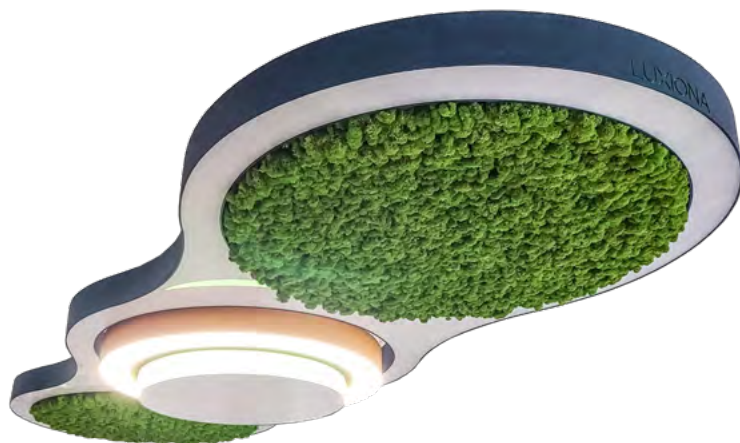
Flush Acoustic Panel

The sound-absorbing material can be flush mounted with the luminaire's diffuser, creating a seamless and unified appearance. This option preserves the clean, modern geometry of the Artshape Round Edge Small while enhancing acoustic comfort.

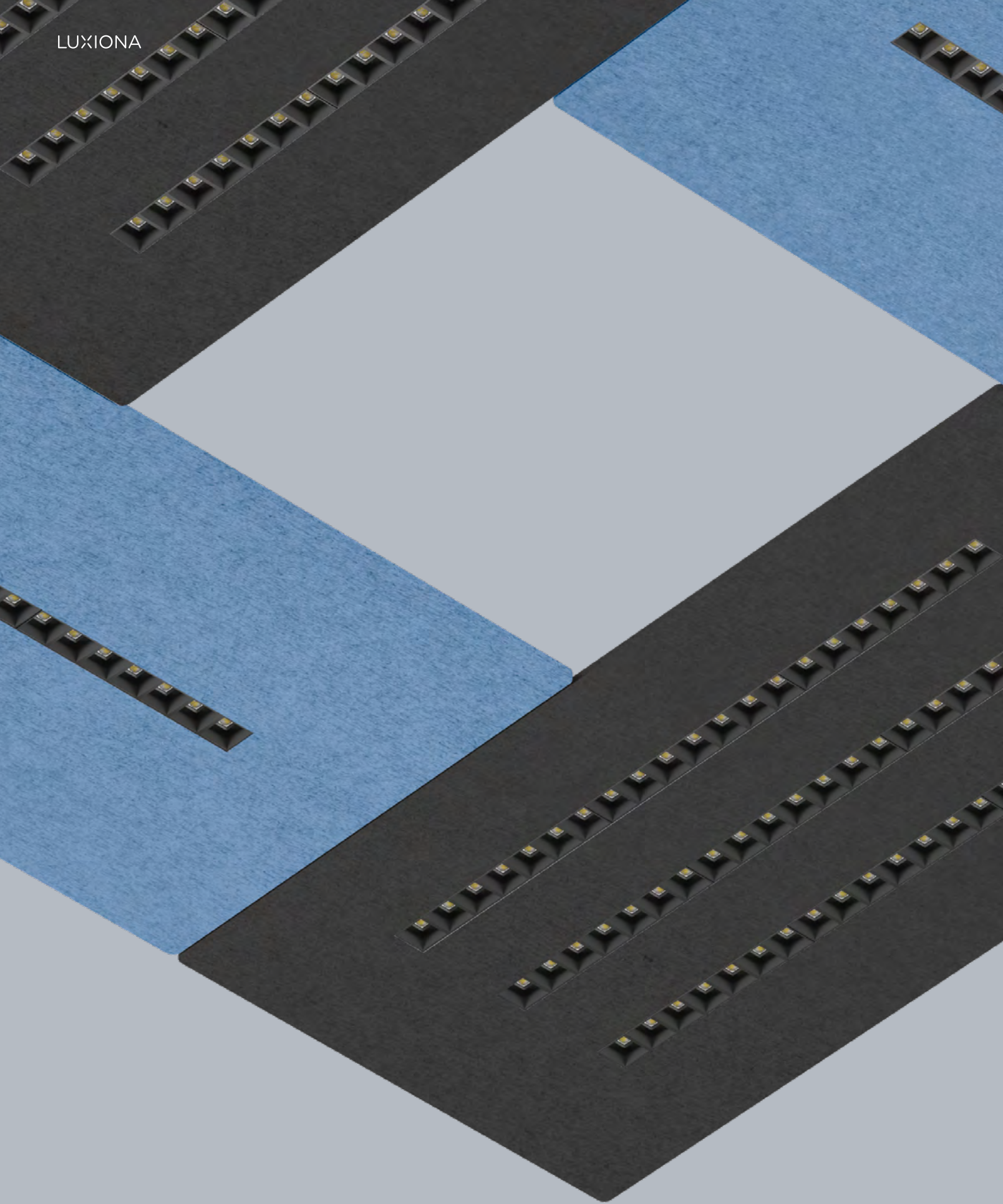


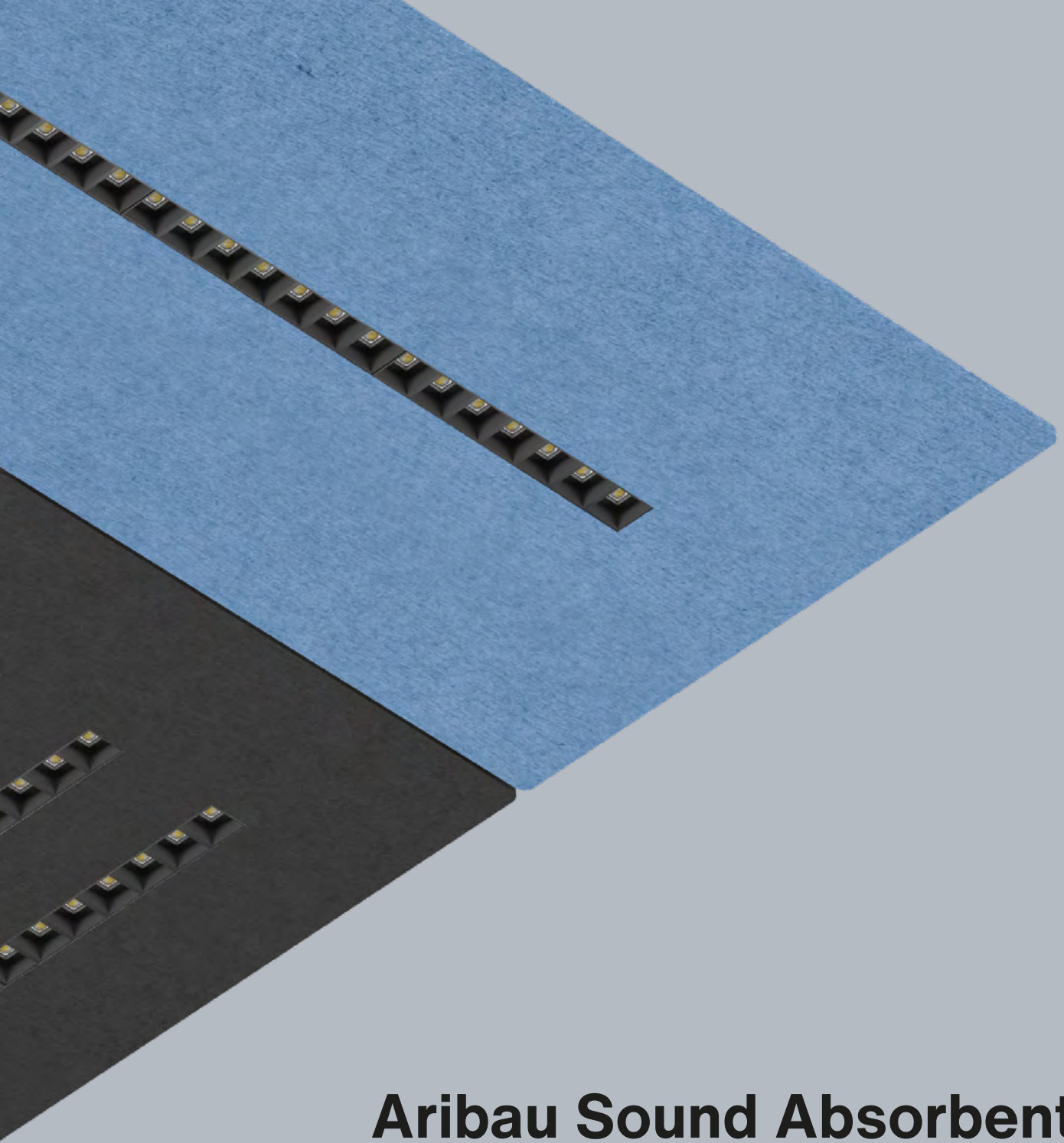
Tailor-made for unique spaces

Artshape Round offers extensive customisation options to perfectly align with your design vision – from size, shape, and finish to lighting performance and acoustic materials. Whether with PET felt or natural reindeer moss, each luminaire can be tailored to elevate both aesthetics and functionality.



LUXIONA





Aribau Sound Absorbent

Visual and acoustic comfort. This versatile family of suspended luminaires is available as individual modules or as part of complex ceiling systems. With a low-glare louver and a bezel made of acoustic sound-damping PET felt, Aribau luminaires perfectly complement acoustic systems, providing maximum comfort in prestigious interiors - from offices, hotels, and conference rooms to cinemas and theatres. Thanks to their variety of shapes and colours, they integrate easily into the space and provide endless interior design possibilities.



Island-type solutions - Aribau system

Aribau is the new family of pendant luminaires that offer both standalone elegance and the versatility to create sophisticated like ceiling systems.

The luminaire body showcases impeccable craftsmanship with its black lacquered steel sheet construction. Embracing cutting-edge optics based on 7x1 and 4x4 louver systems, these luminaires provide a remarkable low glare illumination experience.

One of the most distinctive features of each luminaire is its lower bezel, skillfully crafted from acoustic material. These acoustic panels, manufactured from recycled PET felt, boast a harmonious blend of durability, lightweight, and a pleasing touch. With a wide array of colors available, including standard options like red, blue, and grey, these luminaires effortlessly complement any interior design. Beyond aesthetics, Aribau luminaires offer exceptional attributes, such as fire classifications B-21, d0,

(EN-13501-1:2018) and superb acoustic properties, providing effective sound attenuation to create serene environments. The square (596x596) and rectangular (1196x596 or 1196x596) luminaire covers open up a world of creative interior arrangements by joining them with a special accessory to create different shapes, allowing for a seamless integration into prestigious spaces like hotels, offices, banks, theaters, and cinemas.

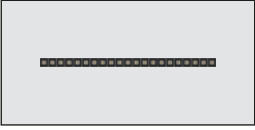
Moreover, these luminaires serve as remarkable solutions to quell unwanted noises in various settings, including office cabins, conference rooms, and hotel suites. While Aribau luminaires play a significant role in enhancing acoustic environments, it is essential to remember that they synergize effectively with soundproofing systems anchored on PET acoustic panels.

Aribau system units with 7x1 lenses

3 units with lenses 7x1
589 x 596 x 53



1 units with lenses 7x1
1196 x 596 x 53



2 units with lenses 7x1
1196 x 596 x 53



3 units with lenses 7x1
1196 x 596 x 53

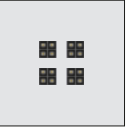


1 units with lenses 7x1
1196 x 296 x 53



Aribau system units with 2x2 lenses

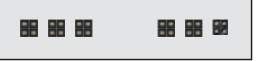
4 units with lenses 2x2
589 x 596 x 53



6 units with lenses 2x2
1196 x 296 x 53

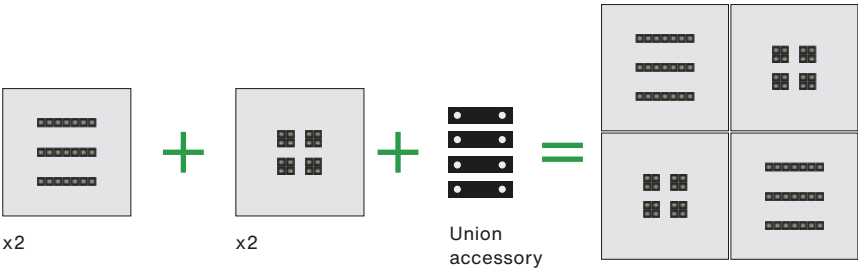
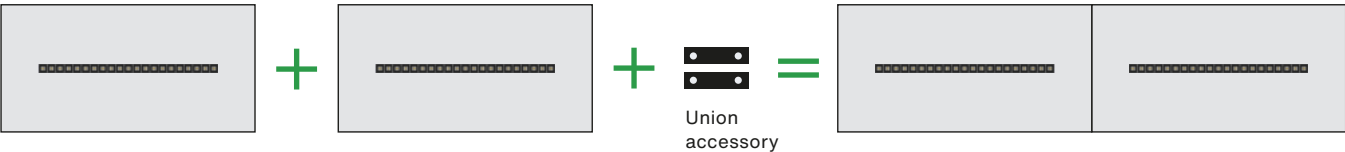
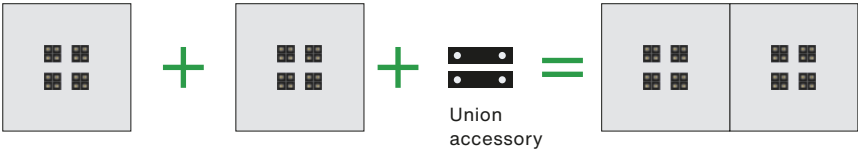


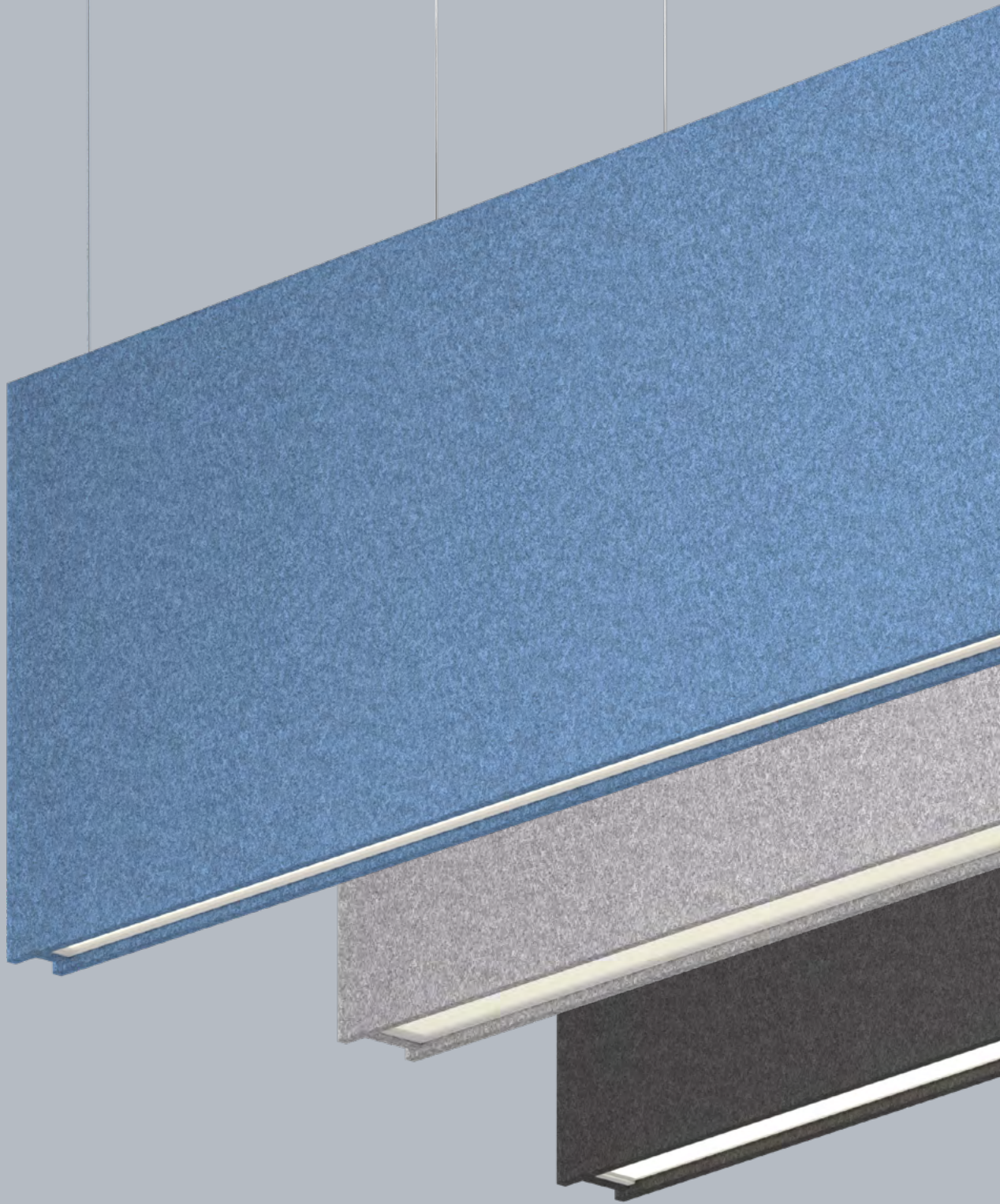
6 units with lenses 2x2
1196 x 296 x 53

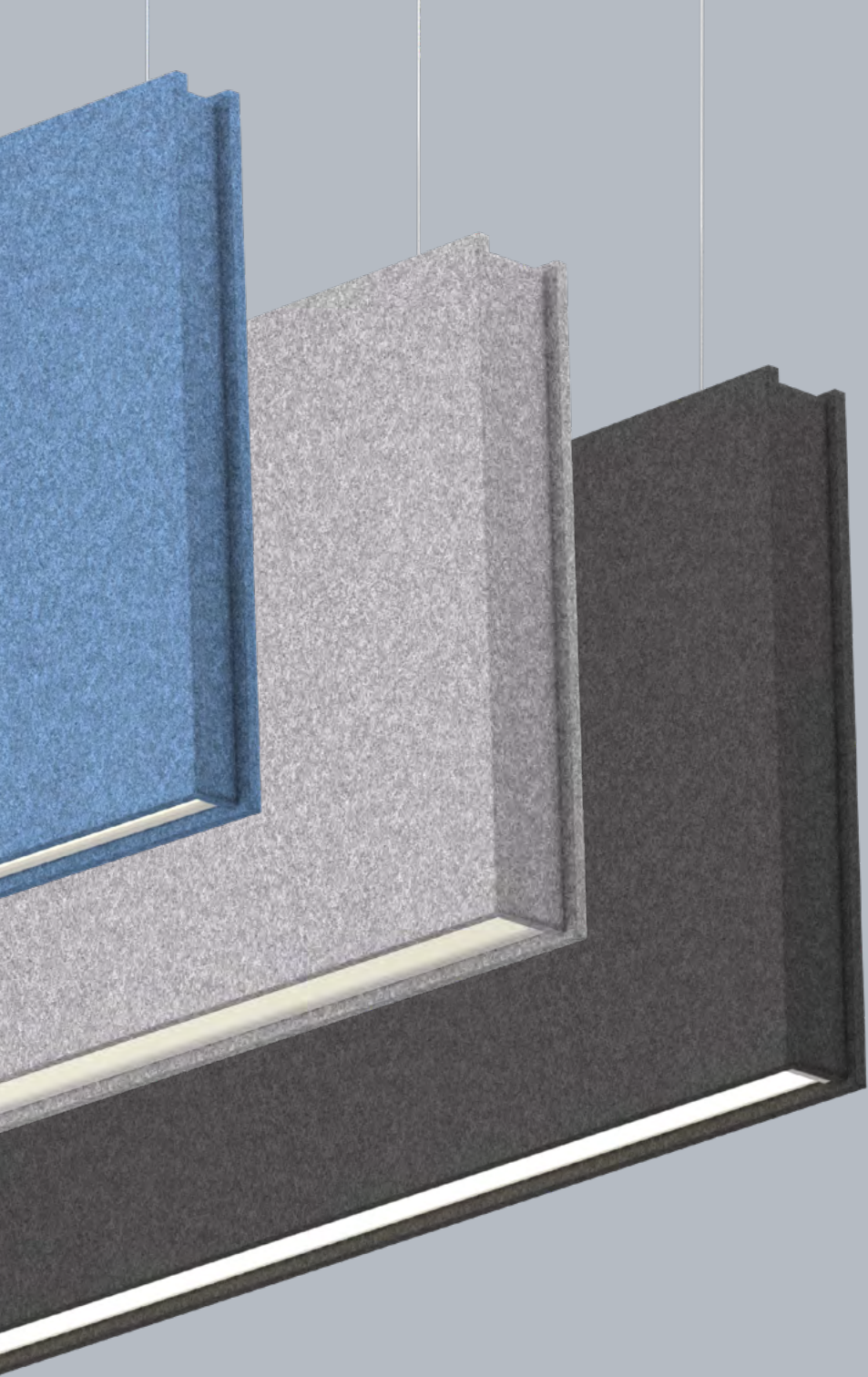


Setting up a system with Aribau

With the special accessory, (not supplied with the luminaire); it is always possible to join singles luminaires between them to set up a ceiling system shapping almost any possible combination:







X-Line Sound Absorbent

X-Line family offers a possibility of adding a versatile accessory designed for select luminaires (including X-Line Pro Compact, X-Line Slight LED, X-Line Slim LED, and X-Line Slim LED Compact). These high-performance lighting fixtures offer thin, minimalist profiles and exceptional lighting efficiency. The PET felt accessory provides enhanced sound absorption while preserving the sleek design. Perfect for offices and other acoustic-sensitive environments, this upgrade combines refined aesthetics, visual comfort, and improved acoustic performance.



Waffle solutions between workstations

X-Line Family in acoustic versions: X-Line Pro, X-Line Slight, X-Line Slim combined with appropriate accessories.

LUXIONA waffle solutions between workstations are specifically designed as accessories for the family of luminaires: X-Line Pro, X-Line Slight, and X-Line Slim. Each accessory has been tailored to seamlessly integrate with the respective luminaire's profile, ensuring a harmonious

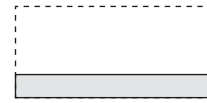
and effective combination of lighting and sound absorbent performance. Accessories to be fitted into X-Line family luminaires come in three standard colours: grey, red, blue and in customised versions upon request.

X-Line Pro

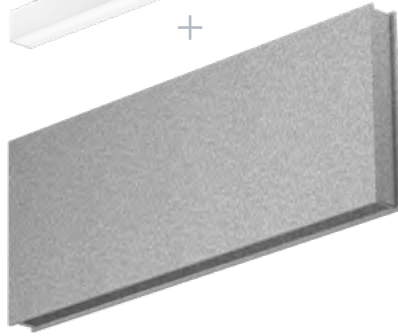


A x B x H

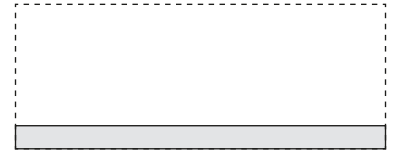
612 x 80 x 230



X-Line Pro Sound
Absorbent accessory



1172 x 80 x 450



X-Line Slim



A x B x H

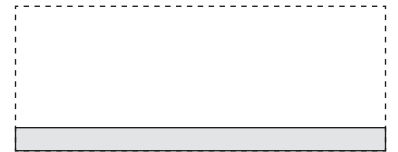
612 x 68 x 230



X-Line Slim Sound
Absorbent accessory



1172 x 68 x 450



X-Line Slight

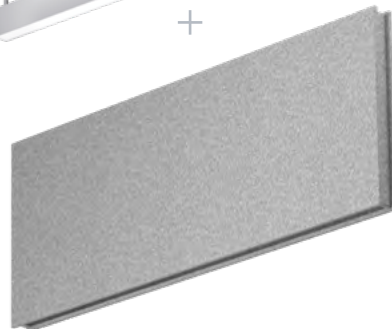


A x B x H

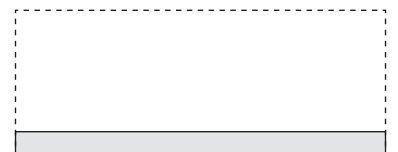
612 x 54 x 230



X-Line Slight Sound
Absorbent accessory



1172 x 54 x 450



Selection of luminaires

Technical information summary

More standard versions available at www.luxiona.com

Ask us for other variants different from those shown on our web in terms of light-gear-body.

Tuset Sound Absorbent

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Tuset L-Down LED	From 4268,9 to 4564,4	Up to 154,2	29,6	4000	1198 x 168 x 42
Tuset Up&Down LED	From 6547,6 to 6789,3	Up to 152,6	44,5	4000	1198 x 168 x 42

Artshape Round Sound Absorbent

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Artshape Round LED Small Edge	From 1492 to 5813	Consult us	From 59,7 to 76,5	3000 4000 TW	650 x 85

Aribau Sound Absorbent

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
Aribau Sound Absorbent	From 1199,8 to 8565,6	Up to 150,8	From 8,4 to 58,5	3000 4000	596 x 596 x 50
					1196 x 296 x 50
					1196 x 596 x 50

X-Line Pro Sound Absorbent

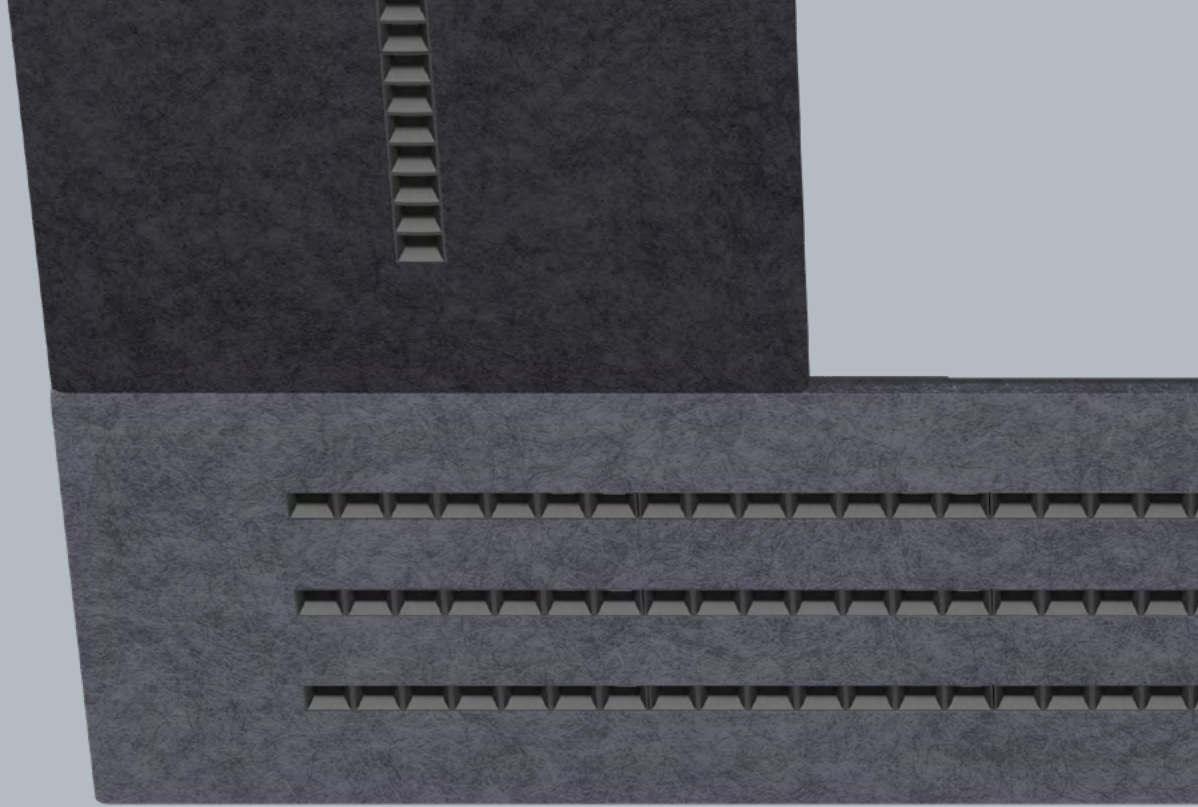
Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
X-Line Pro	From 1307,6 to 10173	Up to 169,1	From 13,1 to 75,9	3000 4000	564 x 60 x 70
					1142 x 60 x 70
					844 x 60 x 70
					1684 x 60 x 70
					2244 x 60 x 70
X-Line Pro Line	From 1307,6 to 10173	Up to 169,1	From 13,1 to 75,9	3000 4000	560 x 60 x 70
					1120 x 60 x 70
					840 x 60 x 70
					1680 x 60 x 70
					2240 x 60 x 70

X-Line Slim Sound Absorbent

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
X-Line Slim L-Down LED	From 1421,4 to 13466,9	Up to 157,5	From 12,4 to 99,1	3000 4000 TW	596 x 596 x 51
					1138 x 48 x 70
					1425 x 48 x 70
					1698 x 48 x 70
					2258 x 48 x 70

X-Line Slight & X-Line Slight Sound Absorbent

Name	Luminaire luminous flux [lm]	Efficiency [lm/W]	Power of luminaire [W]	Colour temperature [K]	Dimensions [mm]
X-Line Slight Low UGR L-Down	From 846,8 to 3624,4	Up to 122,9	From 8 to 31,8	3000 4000	800 x 34 x 68
					1200 x 34 x 68
					1600 x 34 x 68
					2000 x 34 x 68
X-Line Slight L-Down	From 1052,8 to 7807,7	Up to 157	From 8,6 to 51,8	3000 4000	572 x 34 x 68
					1134 x 34 x 68
					1693 x 34 x 68
					2256 x 34 x 68
X-Line Slight Up&Down	From 1586,6 to 14289,4	Up to 154,2	From 12,1 to 97,2	3000 4000	572 x 34 x 68
					1134 x 34 x 68
					1693 x 34 x 68
					2256 x 34 x 68
X-Line Slight Surface Low UGR	From 846,8 to 3624,4	Up to 122,9	From 8 to 31,8	3000 4000	800 x 34 x 68
					1200 x 34 x 68
					1600 x 34 x 68
					2000 x 34 x 68
X-Line Slight Surface	From 1052,8 to 7807,7	Up to 157	From 8,6 to 51,8	3000 4000	572 x 34 x 68
					1134 x 34 x 68
					1693 x 34 x 68
					2256 x 34 x 68
X-Line Slight LED Line	From 1052,8 to 7807,7	Up to 157	From 8,6 to 51,8	3000 4000	570 x 34 x 68
					568 x 34 x 68
					1130 x 34 x 68
					1132 x 34 x 68
					1689 x 34 x 68
					1691 x 34 x 68
					2252 x 34 x 68
					2254 x 34 x 68
X-Line Slight Low UGR LED Line	From 846,8 to 3624,4	Up to 122,9	From 8 to 31,8	3000 4000	796 x 34 x 68
					798 x 34 x 68
					1196 x 34 x 68
					1198 x 34 x 68
					1596 x 34 x 68
					1598 x 34 x 68
					1996 x 34 x 68
1998 x 34 x 68					
X-Line Slight Surface LED Line	From 1052,8 to 7807,7	Up to 157	From 8,6 to 51,8	3000 4000	570 x 34 x 68
					568 x 34 x 68
					1130 x 34 x 68
					1132 x 34 x 68
					1689 x 34 x 68
					1691 x 34 x 68
					2252 x 34 x 68
2254 x 34 x 68					
X-Line Slight Surface Low UGR LED Line	From 846,8 to 3624,4	Up to 122,9	From 8 to 31,8	3000 4000	796 x 34 x 68
					798 x 34 x 68
					1196 x 34 x 68
					1198 x 34 x 68
					1596 x 34 x 68
					1598 x 34 x 68
					1996 x 34 x 68
1998 x 34 x 68					
X-Line Slight Up&Down LED Line	From 1586,6 to 14289,4	Up to 154,2	From 11,7 to 97,2	3000 4000	568 x 34 x 68
					570 x 34 x 68
					1130 x 34 x 68
					1132 x 34 x 68
					1689 x 34 x 68
					1691 x 34 x 68
					2252 x 34 x 68
2254 x 34 x 68					



Our values

European design, customised solutions and competitive edge

Created in Barcelona, Spain, and developed in Poland, our products combine European design with high quality and efficiency. At the very centre of our work is our passion for lighting and functional design. The superior performance aligned with aesthetics and simplicity of installation and maintenance makes it a perfect

solution for any space. Thanks to a variety of customisable options, it is possible to adjust our products to the needs of a specific project, including all kinds of spaces in retail facilities and offices, as well as architectural, public, outdoor, medical, and industrial spaces.

Design

Designed in Barcelona

From the moment we started our company in Barcelona in 1929, the value of design has been part of LUXIONA's soul. Since the invention of the first electrified track system inspired by the trolleybuses on the streets of Barcelona, the source of inspiration for our products is based on this city that exudes design, art, and the avant-garde. We have an international presence with offices in Spain, France,

Italy, Germany, and Poland, but it is here in Barcelona where the research and product development team is located to keep the initial spirit alive in each of our luminaires, always at the cutting edge of sustainable technologies. The result is lighting solutions that offer a comfortable visual experience, which enhances your well-being while respecting the environment.



DESIGN **PLUS**

LUXIONA worldwide



Commercial offices:

Spain, Poland, France, Italy,
Germany

Logistics centre:

Spain

Production:

Poland / Spain (emergency)

LUXIONA

LUXIONA Headquarters

C/ Diputació, 180, 4A
08011 Barcelona
Spain
+34 938 466 909
info@luxiona.com

Spain

C/ Diputació, 180, 4A
08011 Barcelona
Spain
+34 938 466 909
info@luxiona.com

Germany

Berlin Leuchtenfabrik,
Haus A / 1. Etage
Edisonstr. 63
12459 Berlin, Germany
+49 3040 535 600
info@luxiona.de

France

7 Rue Colonel Chambonnet
69500 Bron
France
+33 472 146 666
info.france@luxiona.com

Marketing

marketing@luxiona.com

luxiona.com

support@luxiona.com

Poland

ul. Komitetu Obrony Robotników 48
02-146 Warszawa
Poland
+48 22 721 72 72
info.poland@luxiona.com

Italy

Via Luigi Cadamosto 4
26900 Lodi (LO)
Italy
+39 0 298 274 010
info.italy@luxiona.com

Export

Export Department
+48 505 695 638
customer.care@luxiona.com

Purchasing

globalpurchasing@luxiona.com

[Linkedin.com/company/luxiona](https://www.linkedin.com/company/luxiona)
 [Facebook.com/luxionagroup](https://www.facebook.com/luxionagroup)
 [Instagram.com/luxionagroup](https://www.instagram.com/luxionagroup)
 [YouTube: LUXIONA Group](https://www.youtube.com/LUXIONA%20Group)



