



STRETCH CEILINGS

 **VECTA**[™] *design*
STRETCH CEILING SYSTEMS



1488

VECTA DESIGN is a privately owned company based in Estonia that over the last decade has earned an enviable reputation for quality and service.

VECTA DESIGN manufactures stretch ceiling systems and complementary products that are mainly exported.

VECTA DESIGNS complementary products feature a comprehensive range of interior design solutions. These solutions include 3D shapes, printed wall coverings, mirrors, modules and LED lighting systems. Also available enhancements such as image printing, crystal appliqués, starry sky, individual light design and other interesting decoration ideas





Stretch ceilings are manufactured from a PVC film to which a “harpoon” is welded to the perimeter. Installation is achieved by first fixing a special aluminium profile around the room, then heating and stretching the film and finally inserting the “harpoon” into the profile’s locking channel. The cooling film then shrinks to provide a perfect ceiling.



VECTA DESIGN STRETCH CEILINGS HAVE FIRE CLASSIFICATION BS1D0 AND BS2D0







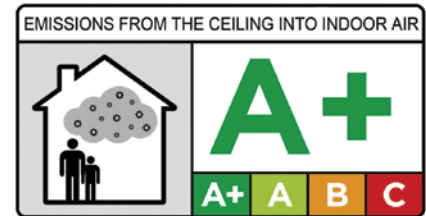


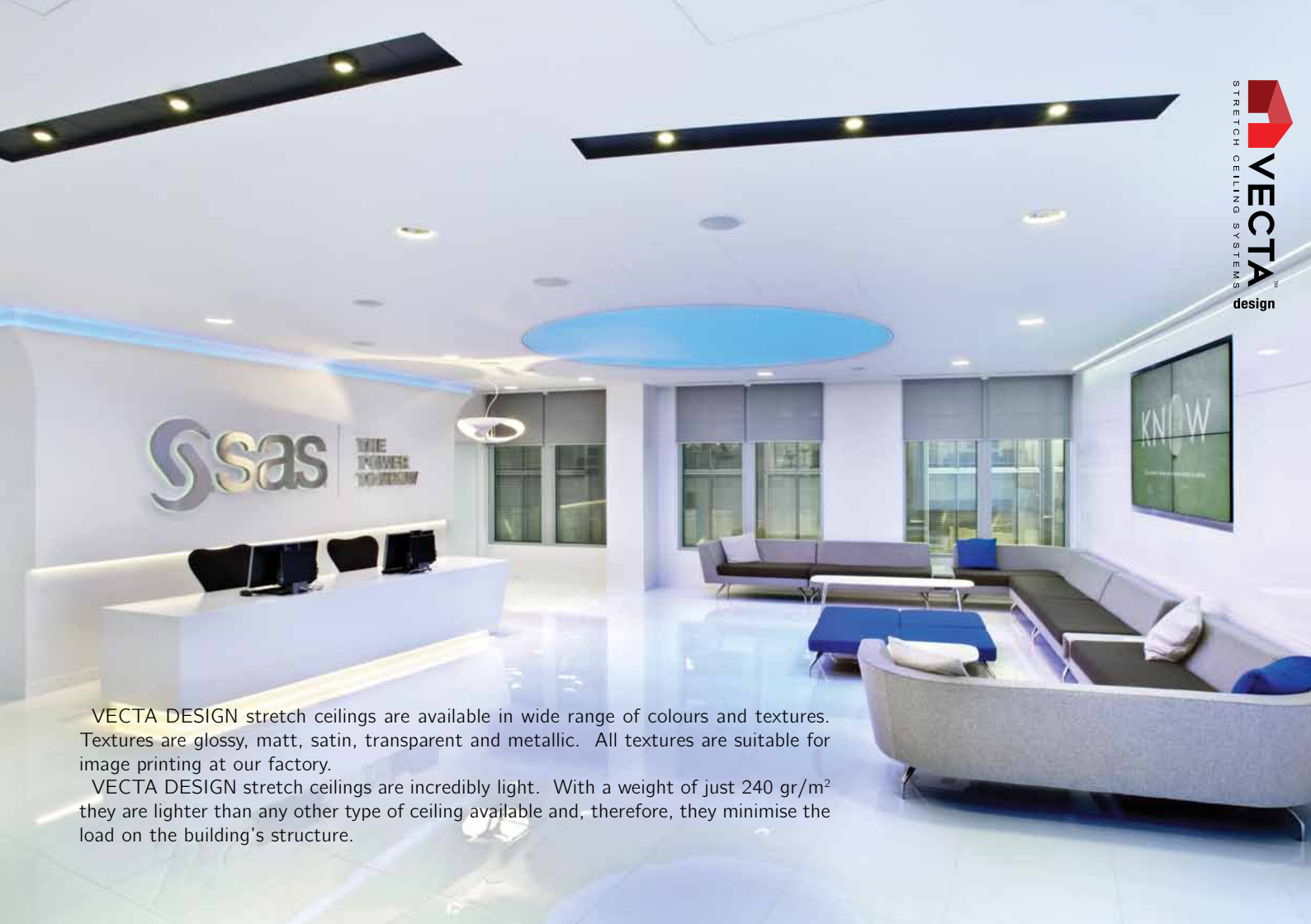
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VECTA DESIGN stretch ceilings and manufacturing processes have been subjected to a demanding test program by a European Union certification agency.

VECTA DESIGN met the stringent requirements of the agency and, on March 1 2013, was awarded the coveted CE certificate.

CE certificate demonstrates that all VECTA DESIGN ceilings are environmentally friendly and safe for humans. The certificate also permits VECTA DESIGN ceilings to be used for the most sensitive of installations such as in schools and hospitals.





VECTA DESIGN stretch ceilings are available in wide range of colours and textures. Textures are glossy, matt, satin, transparent and metallic. All textures are suitable for image printing at our factory.

VECTA DESIGN stretch ceilings are incredibly light. With a weight of just 240 gr/m² they are lighter than any other type of ceiling available and, therefore, they minimise the load on the building's structure.

VECTA BRILLIANCE

VECTA DESIGN offers a varied choice of textiles in white, gold, pearl and silver. All unique light scattering textiles are suitable for image printing.



VECTA BRILLIANCE is a worldwide exclusive product. It combines a luxurious textile and a printed image which is then decorated with Preciosa crystals. These highly valued crystals are renowned for their quality and light intensity.



VECTA LIGHT PRINT

VECTA DESIGN Light Print is the combination of a printed translucent membrane and a new LED lighting system. This combination has endless possibilities for the creation of a unique interior.

The printed images can be your very own or chosen from our extensive range.

The new LED lighting system features high power strips that provide even illumination over a ceiling or wall. These strips have a light spread of up to 5m and a controller can be used to give stunning effects from colour changes and sequencing.



VECTA MIRROR AND MIRROR CREA

VECTA MIRROR AND MIRROR CREA MODULES PROVIDE A UNIQUE DESIGN OPPORTUNITY TO ENHANCE YOUR INTERIOR.



Vecta Mirror and Mirror Crea give designers the possibility of using reflections to enhance the available light, create the illusion of space and provide unique focal points.

Vecta Mirror modules have high reflectivity and can be specified as a safe alternative to conventional glass mirrors.

Vecta Mirror Crea modules feature exciting patterns for even greater visual impact.

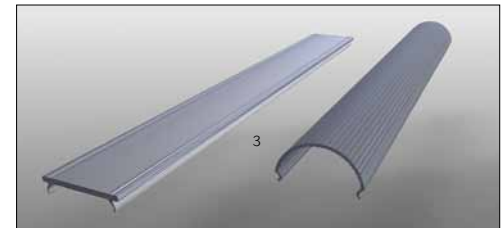
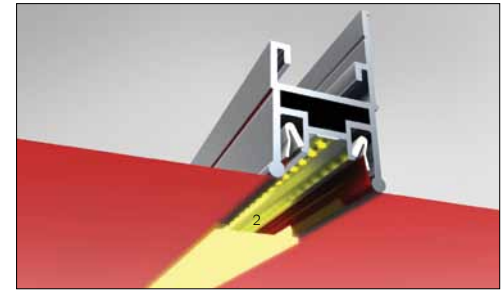
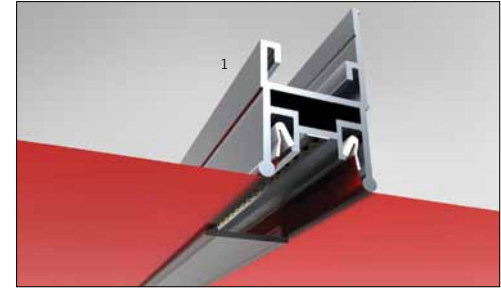
THE MODULES ARE CUSTOM MADE TO ORDER WITH MAXIMUM DIMENSIONS OF 300CM X 125CM AND FIXINGS AS REQUIRED.





VECTA KEY LIGHT SYSTEM gives you the opportunity to provide accent lighting and create an exciting ceiling design.

The integrated LED light source is 30 mm wide and creates a continuous glowing line of illumination. Thanks to two different types of diffuser, this illumination can be either normal or scattered.



NEW LIGHTING SYSTEM VECTA KEY LIGHT IS A NEW AND UNIQUE COMBINATION OF AN INTEGRATED LED LIGHTING SYSTEM AND A STRETCH CEILING.



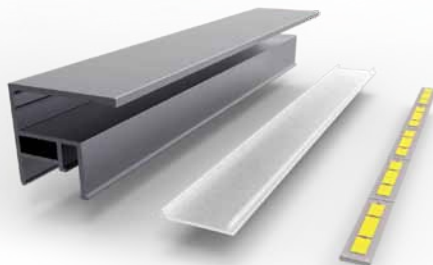
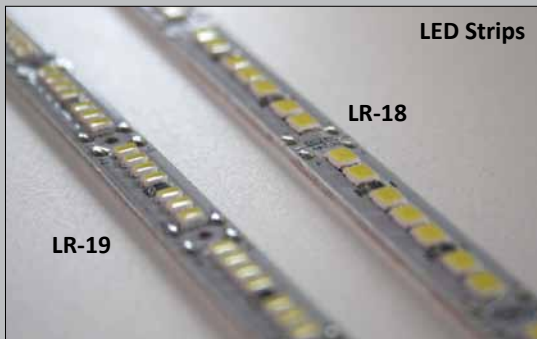
VECTA KEY LIGHT system features an aluminium profile AL 18 (1), continuous LED strips (2) and the chosen matt diffuser (3).

Modern LED light sources have a life of some 50000 hours and are highly efficient.

This efficiency also enables the system to be used as a light source in emergency situations. When connected to an appropriate emergency power supply, LED strips can provide constant illumination for some 2 to 3 hours.

LED Strips specifications

	LR-18	LR-19
Length, mm	1180	1180
Width, mm	8	8
Thickness, mm	1,6	1,6
LED compound mode	7 cascade 30 parallel	7 cascade 35 parallel
Wavelength	3000K	5750-6250K
LED color	white	white
LED lumen, lm	22-24	9-11
Limited voltage, V	DC 24	DC 24
Output power, W	26,5	19,9
Lighting effect, lm/m	2150	1590

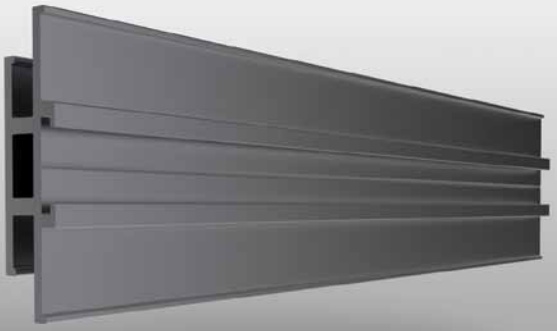


VECTA CROWN LIGHT SYSTEM (AL 20) ALLOWS YOU TO CREATE CONSTANT ILLUMINATION AROUND PERIMETER OF THE ROOM. THIS SYSTEM INCLUDES ALUMINUM PROFILE AL 20, DIFFUSER VEC-03 AND LED LIGHTBAR LR 18 OR LR 19.

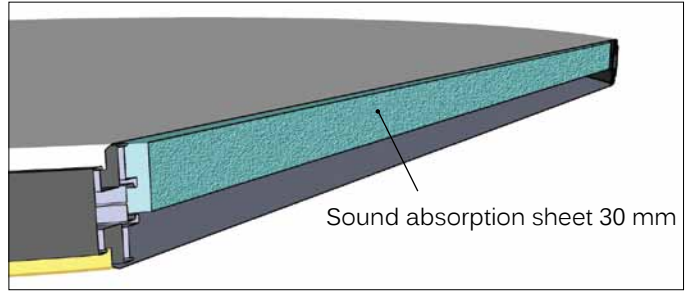
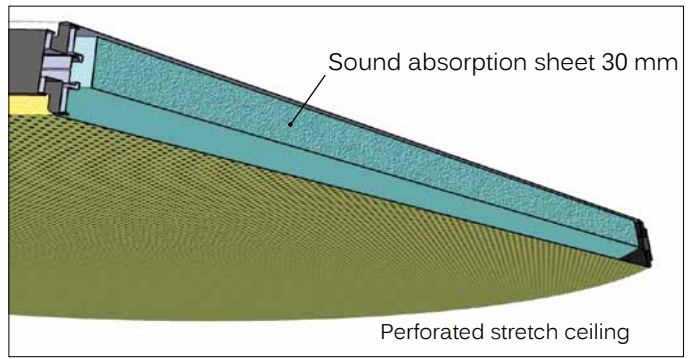








*AL 19 Luca - used with MINI harpoon

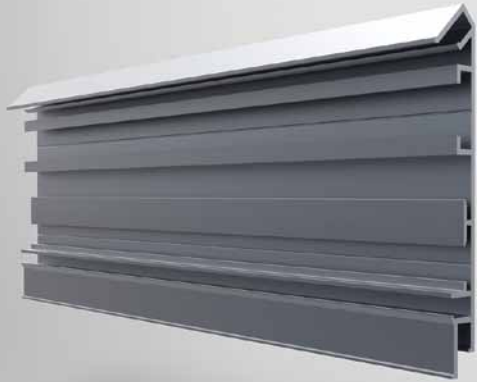


ALUMINUM PROFILE AL14 IS DEVELOPED FOR STRETCH CEILINGS WITH LED BACKLIT ALONG THE PERIMETER.

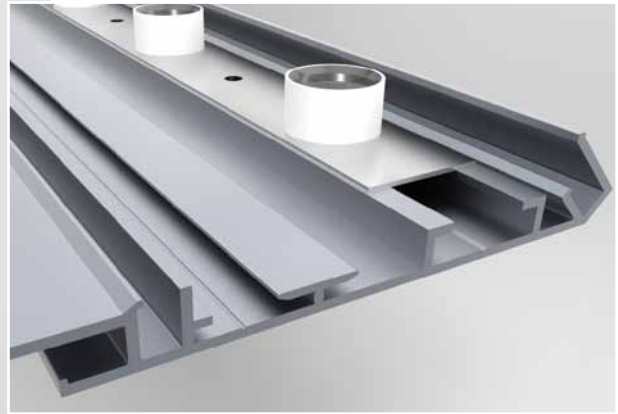


Led strip is mounted to the specially intended space with the width of 15 mm on the back side of the profile. This profile is not anodized.





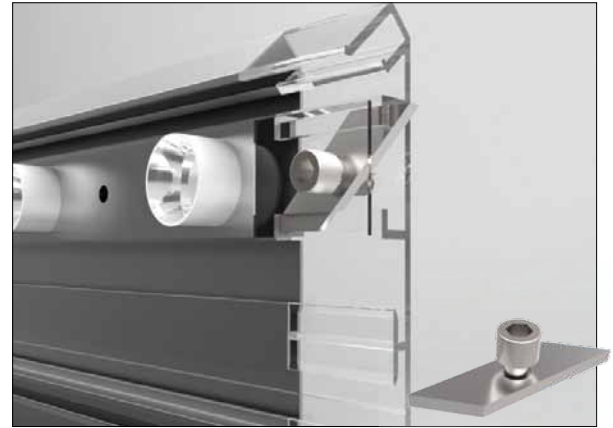
*RENEWED PROFILE AL 08, IS USED TO CREATE BACKLIT CEILING WITH FIXATION TO THE WALL



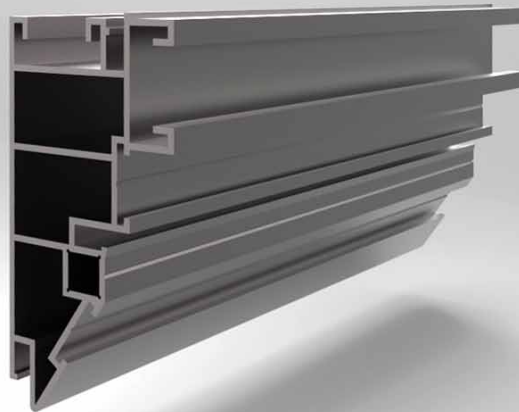
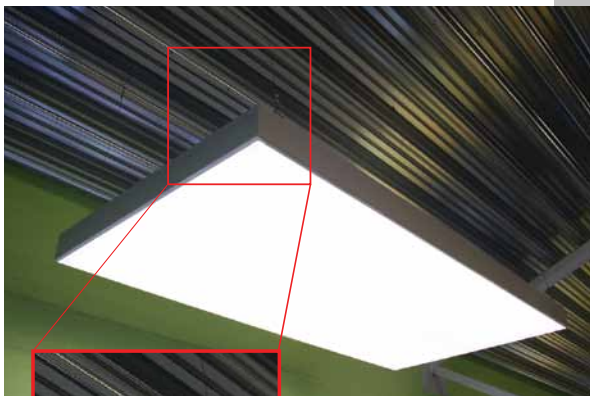
*Added new 28 mm wide section for fixation of High Power LED, placed on optimal distance from translucent membrane to avoid shades.



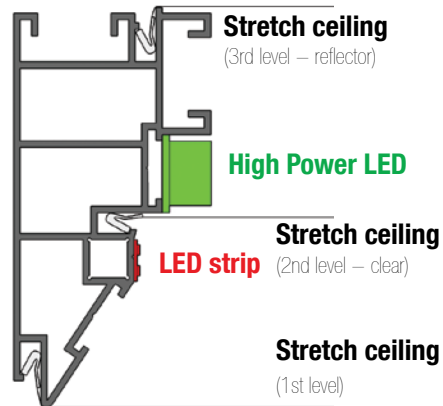
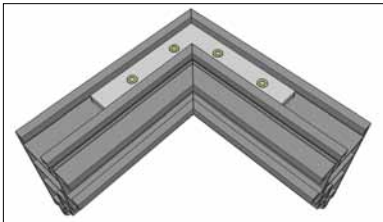
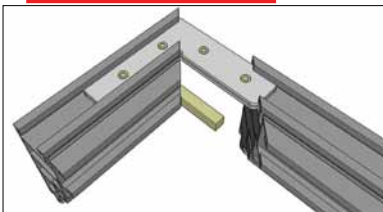
- 1 level - clear ceiling. Performs to prevent dust and dirt on the lower levels of ceiling
- 2 level - print ceiling
- 3 level - perforated ceiling

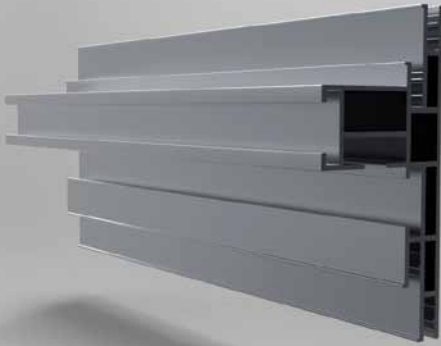


New mounting element HPF-01 enables an easy fixation of High Power LED to the profile.



ALUMINUM PROFILE AL 21 FOR CREATING LIGHT MODULAR CONSTRUCTIONS AND WALLS.





VECTA EXPO PROFIL AL 22

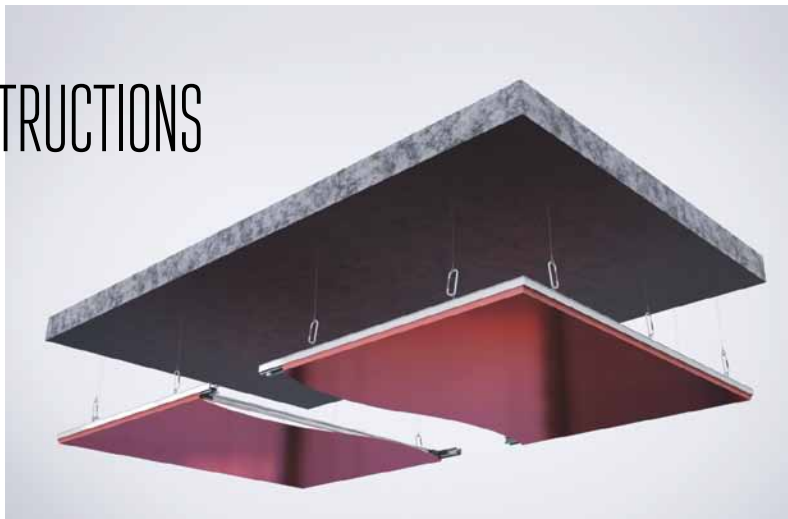
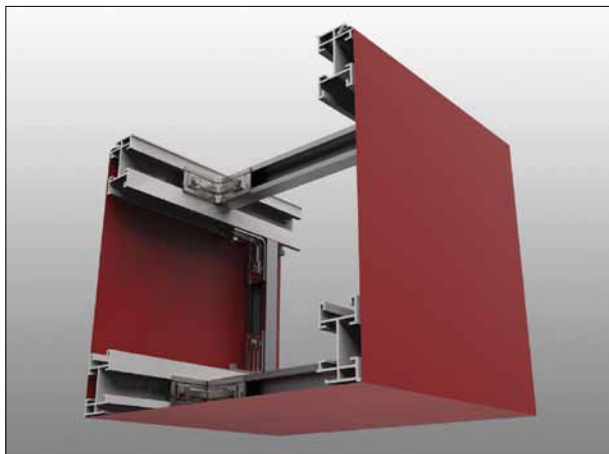
Vecta Design presents VECTA EXPO mobile wall modules, made with durable aluminum frames, stretch ceilings, also enables to use a light source when needed. VECTA EXPO walls can be used to build fair stands, at organized presentations, receptions, conferences parties and etc. VECTA EXPO modular walls can be used as printed walls, video screens with front or back projection or backlit walls. It can be used a variety of individual solutions according to your needs.

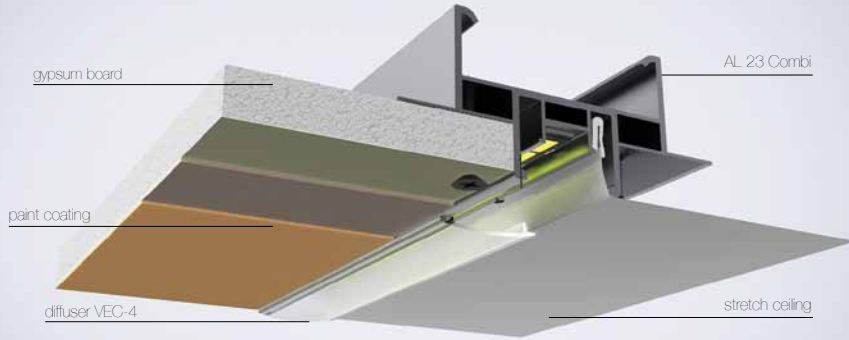
Mobile VECTA EXPO can be purchased or even rent for the agreed period of time . We will make the module wall according to the shape and size needed and with chosen stretch ceiling material. Colors are available in over 150 tones. If plain color seems to simple, we can offer any image or logo to be printed on the surface of your wall.

VECTA EXPO modules are available with integrated lighting. We offer luminous walls and other Vecta solutions to be applied to the walls like Key Light, Crown Light, spot lights or other illumination options.



VECTA DESIGN MODULAR CONSTRUCTIONS





NEW ALUMINUM PROFILE AL 23 COMBI

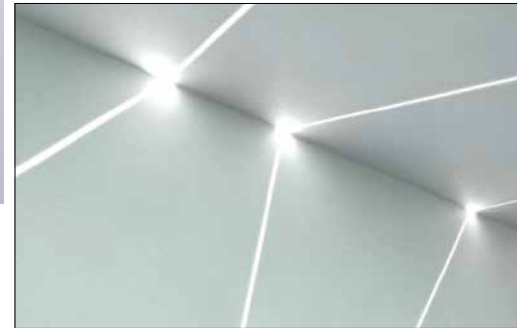
New aluminum profile AL23 VECTA COMBI was developed to integrate LED lights to the gypsum board or to the stretch ceiling.

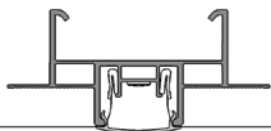
New system enables to create a unique lighting effect for walls and ceilings. With VECTA COMBI it is possible to achieve multiple light sources with variety of crossed lights.

VECTA COMBI can be used in the same way as normal gypsum framing channels. The main reason for using VECTA COMBI instead of ordinary gypsum channels are: easy installation, smooth LED light on the gypsum surface. This system combined with LED is so powerful it can be used as the only light source in the room.

VECTA COMBI consists of profile AL 23, LED LR18 / LED LR19 + diffuser VEC-4. Diffuser VEC 4 is easily applied to Vecta Combi profile after all gypsum works are finished and LED lights are applied. VEC 4 enables easy access to the profile when needed.

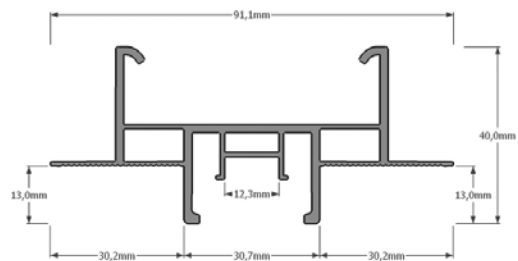
VECTA COMBI can be used to divide different room areas into sections and is ideal for low ceilings as LED lights do not take extra space off the ceiling. VECTA COMBI can also be used without the light source to hide wires and cables in working space, studio, office and etc.





White matt-opal diffuser VEC-4

AL 23 COMBI

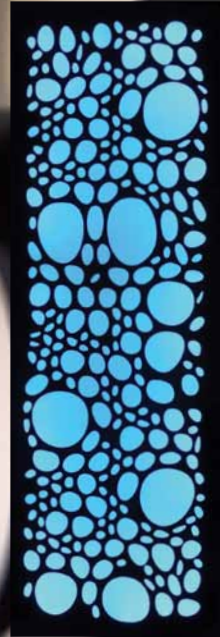
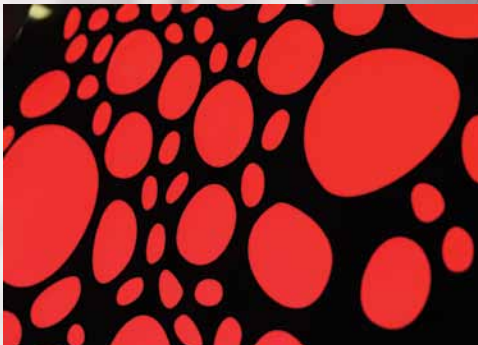


VECTA VOLUME

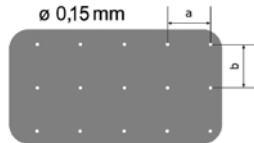
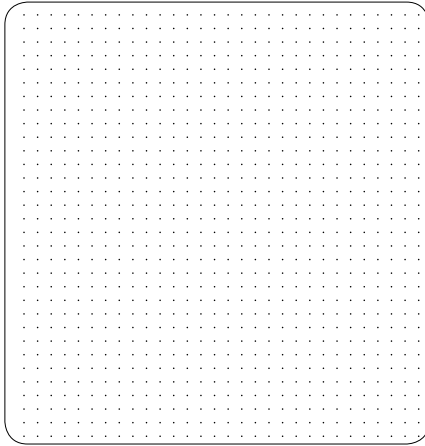
Vecta Volume – your way to the world of shapes

Vecta Volume is a new decorative perforation system created by Vecta Design to bring a special creative touch into your interior. New technology is an unique and modern solution for your décor. Vecta Volume enables to use it with all our lighting systems and will have amazing effect combined with the print. The pattern of perforation can be chosen from our collection or you can create your own pattern design! Vecta Volume installed on different levels will create a voluminous 3d ceiling, and will play with your imagination.

Vecta Volume will help you to make your ceiling a multifunctional piece of art.



PERFORATION



a - 1,8 mm
b - 1,8 mm
ø - 0,15 mm

Holes: 300 000/m²
Hole diameter: 0,15 mm
Open area: 17%

With sound absorption sheet

Sound absorption rating according to ISO 11654:

Weighted sound absorption coefficient $\alpha_w = 0.90$ (L)
Sound absorption class: A

Sound absorption rating according to ASTM C423:

Noise Reduction Coefficient NRC = 1.00
Sound Absorption Average SAA = 1.00

Without sound absorption sheet

Sound absorption rating according to ISO 11654:

Weighted sound absorption coefficient $\alpha_w = 0.50$ (L)
Sound absorption class: D

Sound absorption rating according to ASTM C423:

Noise Reduction Coefficient NRC = 0.55
Sound Absorption Average SAA = 0.55

sound



Lacquered finish L-100 Alpine White



Lacquered finish L-800 Noir



Lacquered finish L-838 Cherry

STRETCH CEILING INFLUENCE TO THE AMBIENT LIGHTING
IN THE ROOM



Lacquered finish L-100 Alpine White (1st level)
and L-800 Noir (2nd level)



Lacquered finish L-800 Noir (1st level) and T-403
White (2nd level)

LIGHT PRINT / Lacquered finish L-100 Alpine White and T-403 White









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