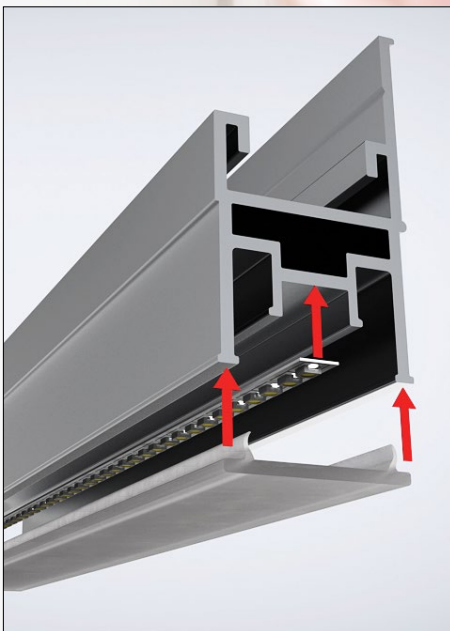


# TECHNICAL CATALOGUE 2018



PVC and aluminum profiles



Tools and accessories



Light solutions



1488



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## SYMBOLS USED IN THE CATALOG:



*Vertical mounting*



*Horizontal mounting*



*Horizontal and vertical mounting*



*Weight of 1 m profile*



*Visible / Invisible profile*



*Anodised /non-anodised profile*



*Color of the profile / white*



*Color of the profile / black*



# STRETCH CEILING TECHNICAL INFORMATION

Vecta Design stretch ceiling is made of high quality PVC foil.

Stretch ceiling plan is a drawing to scale, showing a view downward from above. When drawing a stretch ceiling plan it is very important to mark as a description, if it is a ceiling or wall.

The membranes will be connected together by factory welds to achieve the appropriate size. Installation is achieved by fixing a special aluminium profile around the room, then heating and stretching the film and finally inserting the ceiling harpoon into the profile's locking channel. The cooling film will shrink to provide a perfect ceiling.

First, the ceiling is heated up to 50-60 degrees Celsius and will become very elastic and easy to install. When the ceiling is installed and the temperature cools down, the ceiling will become very tight and as a result you will have perfectly smooth surface of the ceiling.

Quick, clean, well-finished installation, installation possible without interrupting activity.

Vecta Design stretch ceilings are available in wide range of colours and textures. Finishes are Matte, Satin, Lacquer, Translucent, Metallic, Brushed Suede, Antibacterial, perforated and textile. All textures are suitable for image printing at our factory. Special orders are possible. Vecta Design stretch ceilings are incredibly light. With a weight of just 240 gr/m<sup>2</sup> they are lighter than any other type of ceiling available and, therefore, they minimise the load on the building's structure. Due to their low weight, they do not cause injury in the event of earthquakes or other natural disasters.

Vecta Design stretch ceilings and manufacturing processes have been subjected to a demanding test program by an European Union Certification Agency. Vecta Design met the stringent requirements of the agency and 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 labeled with emission class A+ and are tested with ISO 16000.

Vecta Design stretch ceilings are fire rated B-s1d0 and B-s2d0 which considers 3 different aspects during fire for classifying the material : no heat, no smoke and no dripping. They are also UL and ULC certified.

The dimensional stability of an installed stretch ceiling is between -15° to + 45° Celsius. The melting point of Vecta Design PVC stretch ceilings varies in range between 150-190° Celsius and is depends on the formula.

Vecta Design stretch ceilings are safe to use in rooms with high humidity because stretch ceilings are moisture-resistant, by nature does not develop moulds or fungi, protected against the spread of micro-organisms and do not show bacterial growth.

Under the influence of moisture stretch ceilings dimensions do not change. Resistant to salt water and chlorine water.

Stretch ceilings are very durable, 1m<sup>2</sup> can hold about 150 kg. Vecta Design stretch ceiling tractive force is 15kg for one running meter.

Stretch ceilings are UV resistant.

Vecta Design gives 10-year warranty from the date of manufacturing to: the seam welds and joints-welds, harpoon and material.

Thanks to its structure, Vecta Design acoustic ceilings are ideal to improve acoustics of the room and also reduce distracting noises. Due to the additional insulation layer made from suitable porous absorbent material and also by varying the distance from the original ceiling you can significantly improve noise absorbing characteristics of the room.

Create a softer atmosphere due to the air lock in the plenum between the stretch ceiling and the basic ceiling.

With the hollow ceiling or high floor, Vecta Design stretch ceiling create an air lock which is similar to double glazing, forms an insulating buffer and prevents condensation formation on the stretch ceiling. Stretch ceiling helps reducing heat loss from attic floors and decrease volumes to be heated through easy installation at the desired height. Stretch ceilings offer dual energy savings: decrease in volume to be heated and reduction in heat losses. Prevent thermal bridges. Heat conductivity coefficient: 0.16 x cal/m H°C.

Under the stretch ceiling you can easily hide all wires, ventilation systems etc.

On the surface of the ceiling you can install lamps, smoke detectors, ventilation openings etc.

Stretch ceiling can be dismantled easily and it takes only a few minutes. Easy access to the behind of the ceiling. Necessary maintenance holes and hatches can be installed on the surface of the ceiling. In case of water damage from above it is easy to open and reinstalling. Easy and quick addition of new lighting or technical equipments.

Stretch ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another stretch ceilings material roll for the order. Multiple ceilings in the same room must be ordered together.

Advantages: cadmium-free; hygienic; fungicidal; sterilisable; insensitive to radiation; insensitive to condensation; impermeable to water; shape and tension-retentive molecules (absorb ball impacts, water damage); seams guaranteed 10 years; impermeable to fibres; impermeable to dust; return to their initial shape after distortion; non-toxic; robust; allow disassembly and reassembly as required; washable; recyclable.



## WARRANTY CERTIFICATE

Issued to the client

According to pro-forma invoice nr

Issued to the stretch ceiling nr

Material

Production date

The Manufacturer warrants that the seam welds and joint-welds are free from defects in material and workmanship under normal use and service for a period of ten (10) years from the date of manufacturing

The Manufacturer ensures that the sizes of stretch ceiling corresponds to the sizes specified in the order, reduced by the size of reduction and are according to the requirements of the Manufacturer's technological process. The Manufacturer ensures that the ordered color corresponds to the ordered ceiling. Visible differences in the color tones can be in different ceilings and not in one ceiling.

Warranty for the Manufacturer's stretch ceiling is valid only if the stretch ceiling is installed within 30 days from the manufacturing date and in compliance with all the requirements of the installation technology. The claim for dents on the surface of the stretch ceiling is not considered after 14 days of consignment.

The warranty does not apply to the Products which have become unusable in the case of misuse and external influences, such as: - the effects of high temperature and use in lamps bulbs exceeding 60 watts (for general lighting) and more than 35W (for halogen lamps); all mechanical damages, including damages caused during ceiling installation and uninstallation; influence from chemically aggressive products (varnishes, paints, solvents, adhesives, etc.); operation of the ceiling in an unheated room (temperature less than 0 degrees Celsius), leakage. In this cases Customer loses the right to the warranty service and the right to make complaint.

In the event of any breach of the Manufacturer's warranty the customer is bound to notify the Manufacturer within 14 days from the date of the discovery of Manufacturer's breach (whether by reason of defective materials, production faults or otherwise) the Manufacturer's liability shall be limited to replacement of the Products.

At occurrence of a claim, there is an opportunity with consent of the Manufacturer in writing, of sending photographs to the Manufacturer, which is confirming any breach of the Manufacturer's warranty. The damaged ceiling can't carry any traces of alterations or damages which have occurred because of the installer. All possible alterations of a new ceiling order with its corrections in order to avoid the damage of a new ceiling could be done only with consent of the Manufacturer.

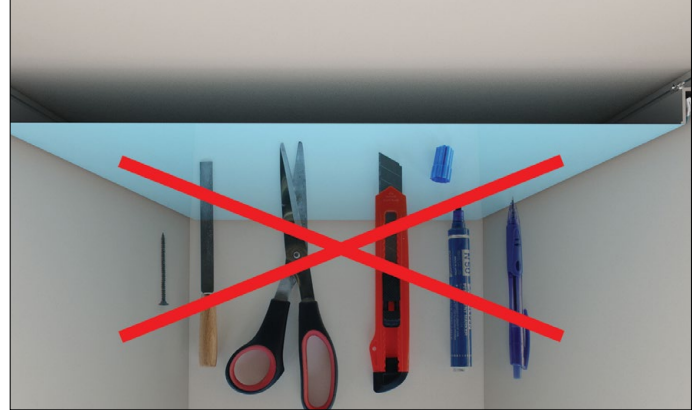
Manufacturer

Customer

# USER AND MAINTENANCE MANUAL

Stretch ceilings are received from the factory in sealed 5 layer cardboard cartons. Please handle cartons with care. Ceilings can only be installed indoors, in clean and free of dust rooms. Stretch ceiling warranty applies for indoor use only. The surface where the profiles will be fixed must be smooth, flat and finished prior to installation of the profiles. The stretched ceiling should only be installed if the wet work is completed and dry, the space is enclosed weather tight and dust free, all painting and wall covering is completed and dry, the work of other trades is completed included electrical work, sprinkler systems, HVAC, etc. If ceiling cartons are subject to cold, it is most important that they rest for 24 hours in warm environment before opening. Do not throw the box, it can break the ceiling. The stretch ceilings are custom made and it is imperative that only authorized Vecta Design installers perform installation and dismantling of Vecta ceilings in according with their training. We recommend that you wear at each processing step clean soft gloves to prevent grease or scratches from fingernails. Such damages are difficult or impossible to fix. Storing Vecta Design stretch ceilings: Protect them from direct sunlight and store in a dry place at room temperature between +18 and +22 degrees Celsius. Otherwise, cracks or rides may appear while opening the ceiling.

- Keep sharp objects away from stretch ceilings, handle ceilings with care.



- The warranty does not apply to the Vecta ceilings which have become unusable in the case of misuse and external influences, such as: the effects of high temperature and use in lamps bulbs exceeding 60 watts (for general lighting) and more than 35W (for halogen lamps); all mechanical damages; influence from chemically aggressive products (varnishes, paints, solvents, adhesives, etc); operation of the ceiling in an unheated room (temperature less than 0 degrees Celsius), leakage. In this cases Customer loses the right to the warranty service and the right to make complaint.

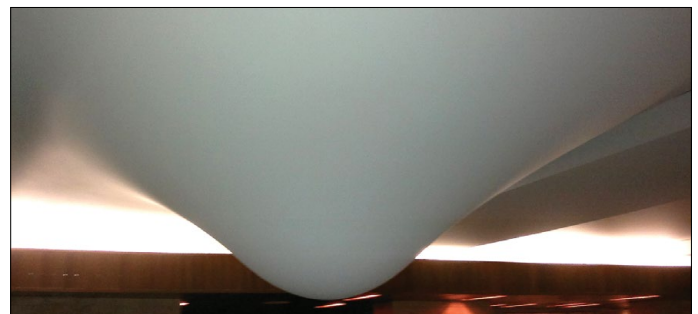
- Directional embedded spotlights are generally compatible with Vecta ceilings, when the diffused heat is greater than 50v C, it is obligatory to place an insulating ring between the rose of the spot and Vecta ceiling. Spots that transmit more than 60v C to the metallic rose are not compatible with Vecta Design stretch ceilings, even equipped with insulating rings. Lighting bulbs can be reached by hand without taking down the ceiling.



- Mechanical ventilation must be adjusted to ensure that air inlet and air extraction is balanced.

- Warranty does not apply to the change of color in case of nicotine exposure

- In normal use, a Vecta ceiling does not need to be cleaned. If the ceiling were to be stained, it can be cleaned with special stretch ceiling cleaner and a soft microfiber cloth.



- Stretch ceiling is impermeable and helps prevent or minimise water damage. In case of water damage from above, do not remove the water, call licensed stretch ceilings installer.

- For addition of new lighting or technical equipment's, call licensed stretch ceiling installer

- Do not open the stretch ceiling yourself

- All stretch ceiling modifications must be done by licensed installer.

- For all other maintenance questions please contact Vecta Design representative for consultation by phone +372-44-23-023 or by e-mail: [info@vectadesign.com](mailto:info@vectadesign.com)

In the event of any breach of the Vecta Design warranty the customer is bound to notify Vecta Design within 14 days from the date of the discovery of manufacturers or installers breach (whether by reason of defective materials, production faults or otherwise) the manufacturers liability shall be limited to replacement of the products in reasonable time.

In case of not following above mentioned stretch ceilings recommendations of exploitation or maintenance manual, complaints will not be compensated.

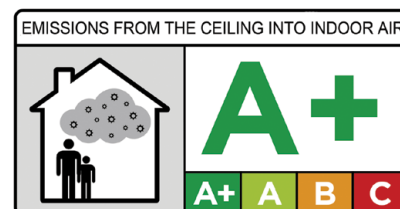


## CERTIFICATES AND TESTS - STRETCH CEILINGS

- EC Certificate of Conformity: 1488-CPR-0342/W
- Test for Surface Burning Characteristics of Building Materials UL723: 20140529 - R27742: Conclusion- meet the requirement of UL723: 20140529 - R27742
- Resistance of Semi-Rigid PVC to Microorganisms RFLT 2608/PA-09-068: Resisted growth throughout testing
- Dimensional stability after exposure to humidity N021377: Conclusion- meet the requirement of EN 14716
- Water vapour Transmission: Conclusion- meet the requirement of EN 14716
- Reaction to fire tests for building products PN-EN 13823: 2010: Did not appear
- Fire classification of construction products and building elements EN 13501-1+A1 2010: Fire class B-s1 d0
- Fire classification of construction products and building elements EN 13501-1 2002: Fire class B-s2 d0
- The emission of total volatile organic compounds (TVOC) ISO 16000: A+
- Measurement of sound absorption for perforated stretch ceilings EN ISO 354: Class A
- Migration of Heavy Metals EN 12149: Passed
- Breaking strength and elongation at break PN-EN 14716: 2008: Conclusion- meet the requirement of EN 14716
- Mass per unit area and thickness of ceilings PN-EN 14716: 2008 Annex B: Conclusion- meet the requirement of EN 14716
- Heat shrinkage PN-EN 14716: 2008 Annex E: Conclusion- meet the requirement of EN 14716
- Determination of operating stress PN-EN 14716: 2008 Annex B: Conclusion- meet the requirement of EN 14716
- Weldability of sheets assembled by the high frequency welding process PN-EN 14716: 2008 Annex F: Conclusion- meet the requirement of EN 14716
- Tests for colour fastness ISO 105-B02:2006 Met.3 Conclusion- meet the requirement of EN 14716 (warranty for color fastness does not apply when fluorescent lamps or halogen lamps are used behind the ceiling material)
- Tests for colour fastness PN-EN 20105 A02:1996 Conclusion- meet the requirement of EN 14716
- Pb LT 049/103-2001 Conclusion- meet the requirement of EN 14716



1488



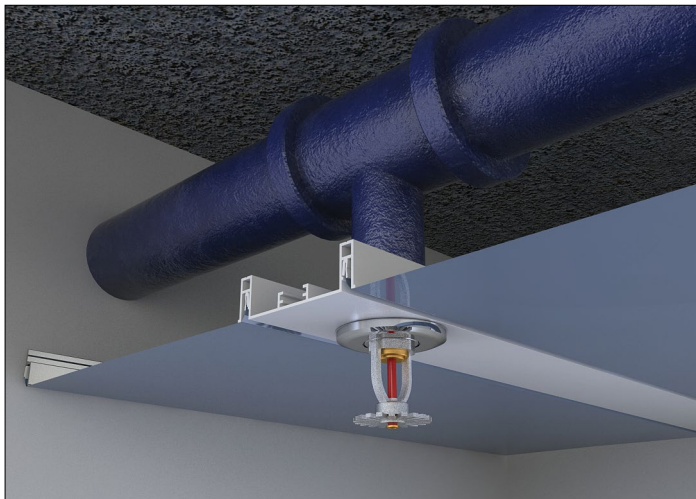
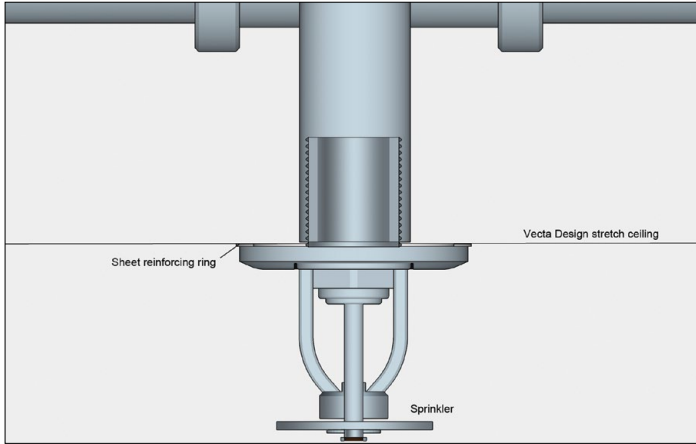
## CERTIFICATES AND TESTS- PROFILES

Class E6EV1. A qualitatively higher level of surface treatment is provided by the satin finishing, being referred to as standard E6-finish, which is one of the most important pre-treatment operations prior to actual anodizing operation.

- Aluminium and aluminium alloys - Structural products for construction works - Technical conditions for inspection and delivery EN15088:2005
- Aluminium alloy EN AW 6060
- Aluminium alloy EN AW 6063

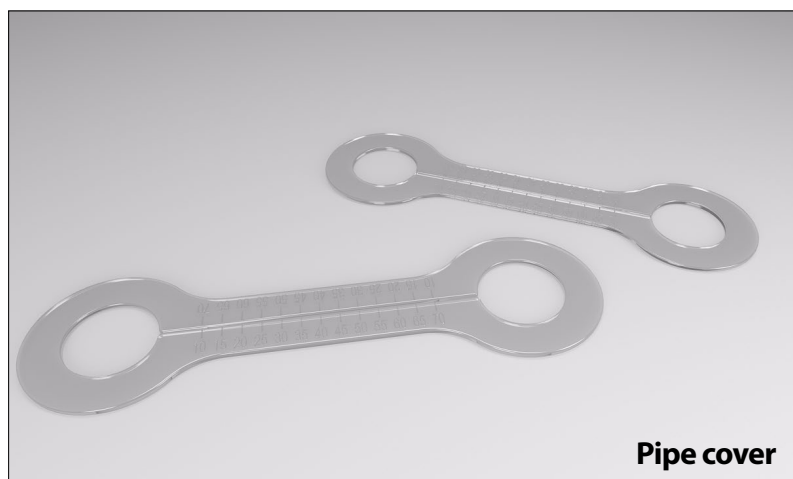
## SPRINKLER INSTALLATION

Make all required penetrations for lights, HVAC, sprinkler systems, etc. and secure the opening with a manufacturers reinforcement ring or square using the appropriate technique for each item as recommended by manufacturer. Reinforcement rings are available in the shape and size to fit light fixtures, sprinkler heads, HVAC, smoke detectors, etc. Sprinklers can be built into Vecta Design stretch ceilings using suitable techniques according to applicable standards.



## PIPE COVER INSTALLATION

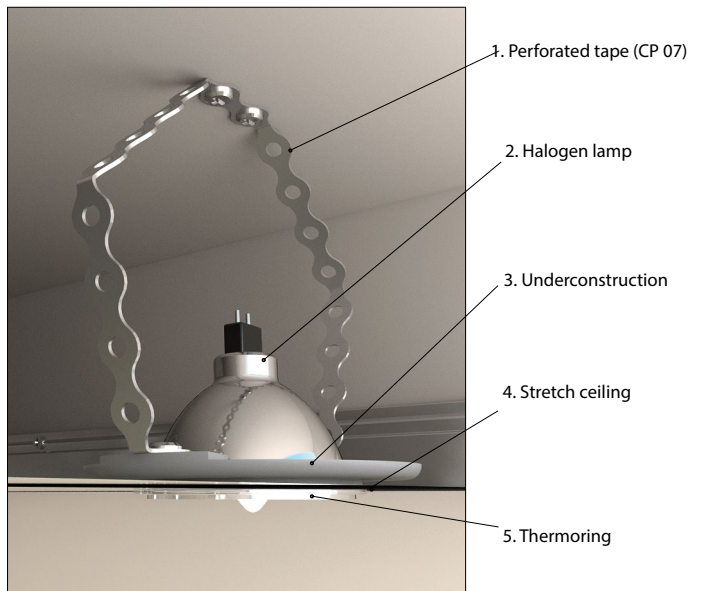
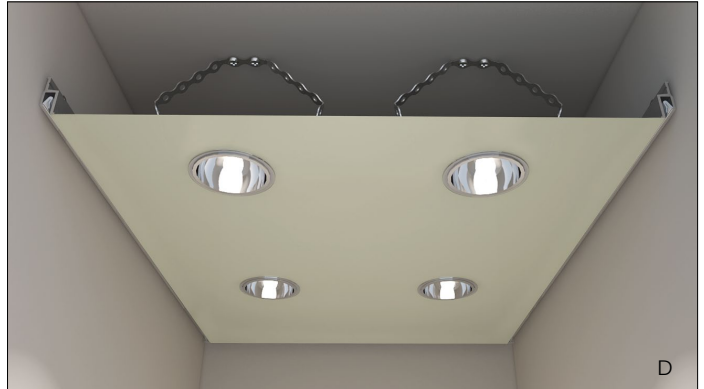
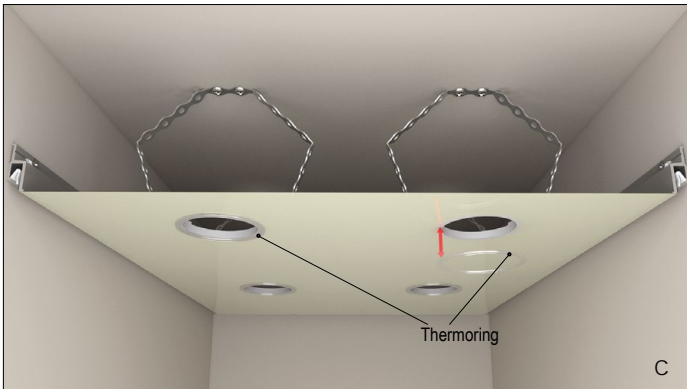
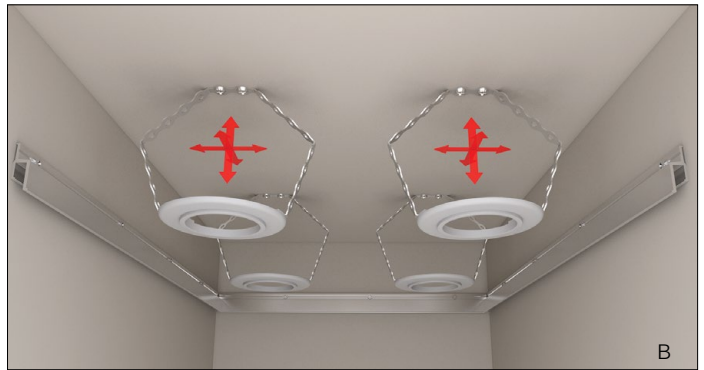
For water, electricity, heating pipes, etc. If pipes are less than 2cm from the wall, no pipe cover is needed. If pipes are more than 2cm from the wall, the ceiling pipe opening will be reinforced with a resistant translucent panel, circumvents the pipes. It will be added on top of the stretch ceiling. The system is not visible after installation.





## SPOT INSTALLATION

Stretch ceiling installation techniques ensure stable and aesthetic installation for all types of incorporated lighting. Spots are connected to the existing ceiling using thermorings and underconstructions.



## TOOLS AND ACCESSORIES

### SP 11

Installation spatular for visible profile



### SP 06

Installation spatular, large



### SP 07

Support spatular straight



### SP 08

Support spatular, corner



### SP 09

Installation spatular, straight



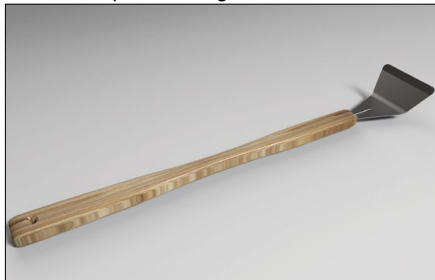
### SP 10

Corner installation spatular for visible profile



### SP 14

Installation spatular, straight 400 mm



### SP 15

Support spatular, straight



### SP 16

Support spatular, corner



### SP 13

Installation spatular for PVC non-harpoon system



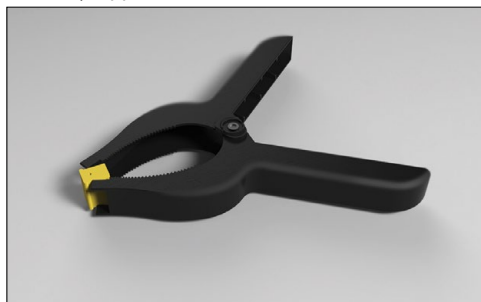
### SP 04

Heater 35 kW



### SP 03

Assembly nippers



### SP 05

Holemaker



### SP 17

Professional assembly nippers



### CP 00

Cleaner



### CP 01

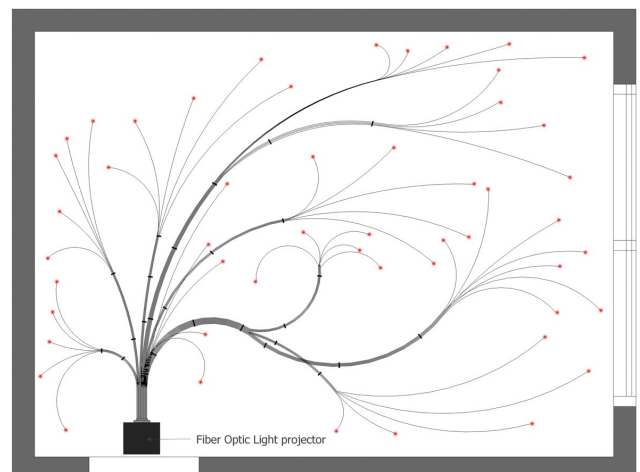
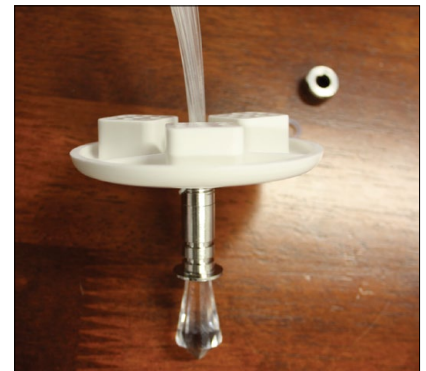
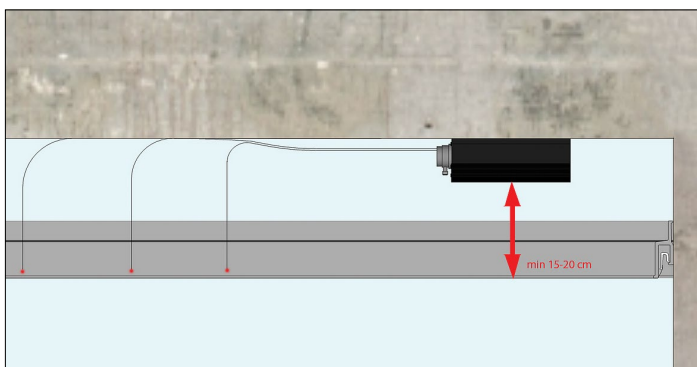
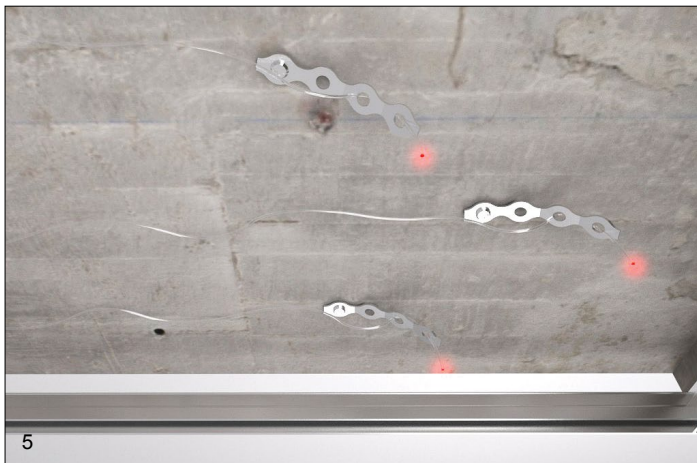
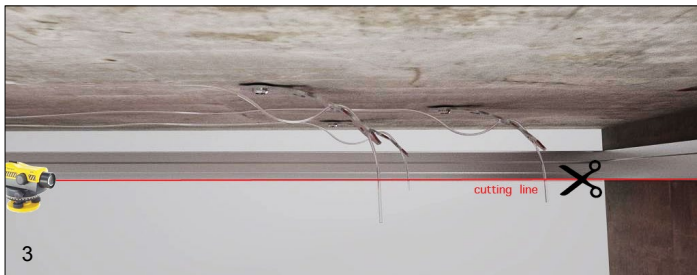
Cleaner





## STAR SKY INSTALLATION

Star sky installation with fibre optic and light engine. For the installation of the crystal a special fibre optic LE-600 is used (1 LE-600=1 crystal) LE-600 is sold in meters, the amount calculation equals to each crystal distance from the light engine. Crystals are used with V8 underconstruction.



## EXTRAORDINARY MATERIALS

### Samba TX26



**SAMBA** - Very easy in installation, does not require special skills or previous experience due to Easy Access System. Can be used outdoors. Not recommended for ceilings. Material width is 320cm, non weldable.

**Specialties:**

Crease free  
Water tight  
No fraying  
Good flatness  
Lotus effect  
UV printable (250cm)

**Technical properties:**

195 g/m<sup>2</sup>  
100% PES woven  
Light translucity – 26%  
Flammability B1 according to DIN 4102, part 1  
SVHC test- pass  
No odor  
Tear strenght ISO 13937-200 Warp (average) 25,4(N)  
Weft (average) 23,3(N)  
Tensile strength ISO 13934-2-1999 Warp (average) 860(N)  
Weft(average) 917(N)

**SAMBA: NOT RECOMMENDED FOR CEILING!**

### Vecta Volume



**VECTA VOLUME** is sound absorbing and consists of 2 layers of stretch ceilings - lacquered and transparent.

Pattern, dimensions of holes and colors can be chosen by the client. Vecta Volume is used with AL22 profile.

### Mirror



**VECTA MIRROR** modules have high reflectivity and can be specified as a safe alternative to conventional glass mirrors.

The mirror modules are custom made to order with maximum dimensions of 300cm x 125cm and fixings as required. Material is UV printable. Round modules are not possible.

Mirror material does not stretch.

Mirror material is installed cold and in case of small wrinkles heated after installation.

Mirror material is not allowed to be folded



## PRINTED CEILINGS



### **Vecta Design uses CMYK color high quality 5m wide UV printer.**

Print can be applied to different stretch ceiling materials. Vecta Design does not offer print for the materials T404 and for dark materials. Print can be applied to light-colored materials only.

Print on micro perforated and acoustic materials must be specified and consulted before the order.

Print on glossy materials are only on installers own responsibility, because the installation for glossy printed ceilings must done differently. Print on glossy material will be matte finish.

Welding on printed ceilings are on visible side.

There can be slight color tone differences between original print file and the print on stretch ceiling.

Minimum quality for print file is 300 DPI.



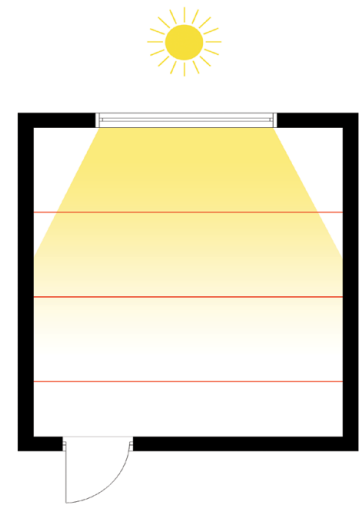


## STRETCH CEILING SEAM DIRECTIONS

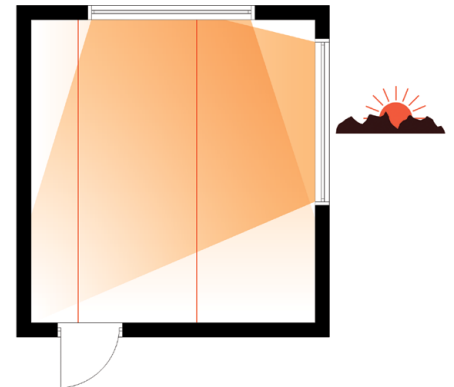
When preparing drawings make sure the seams will run in one direction. If seams run vertically on one ceiling and on another ceiling they run horizontally, it will be visually seen, as it will look like the ceilings are made from different colored materials.



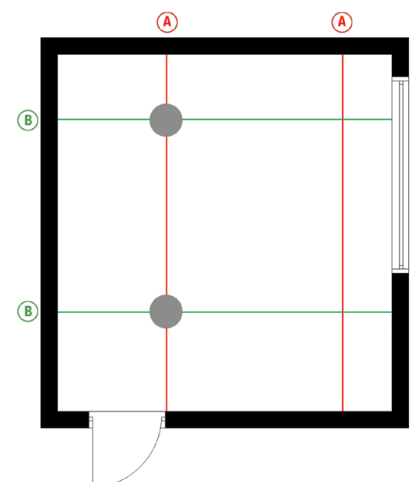
Seams are parallel to the window opening. The PVC film should start from the window. The first seam should be on maximal distance from the window.



Seams of the stretch ceiling should be parallel to the window opening, through which in the evenings passes light of the setting sun.

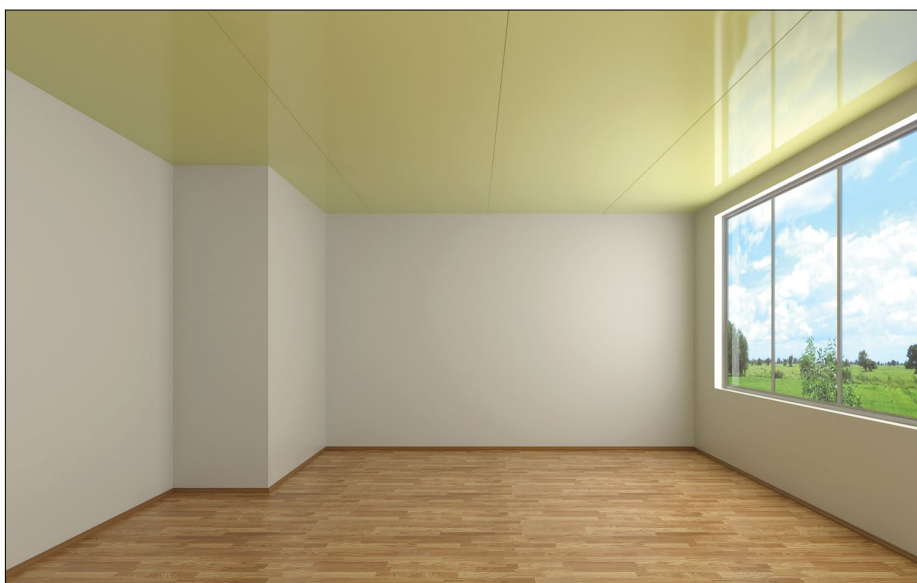
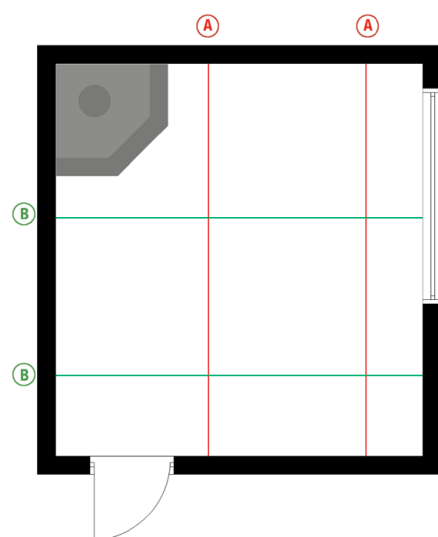
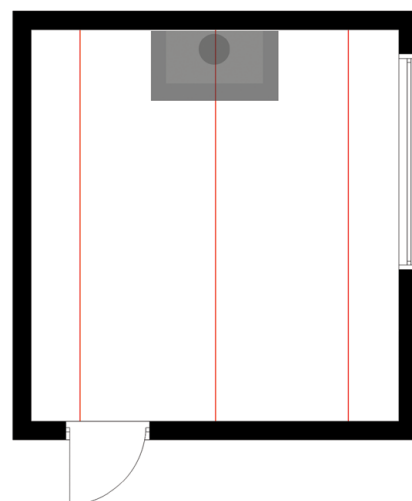


If the room has columns it is recommended that weldings would hit the center of the columns (A or B).

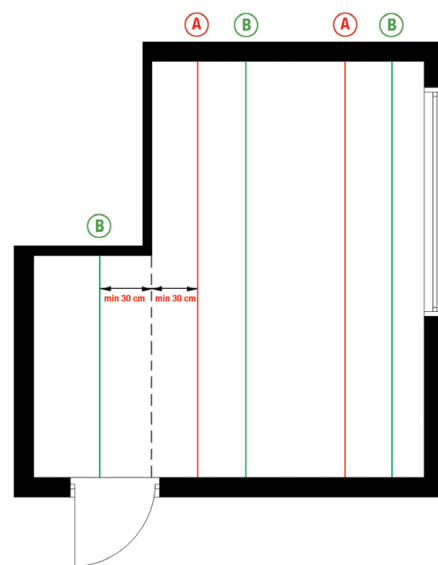




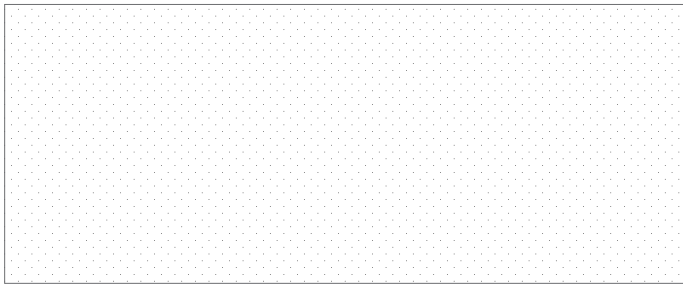
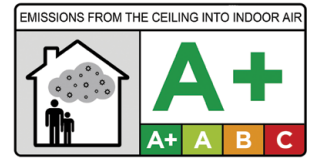
Weldings of the stretch ceiling are perpendicular to the fireplace, to avoid deformation of the weldings while heating up the ceiling. If a fireplace is in the corner, weldings can go in two directions (A,B) starting from fireplace. Seams have to be on the maximum possible distance from the fireplace.



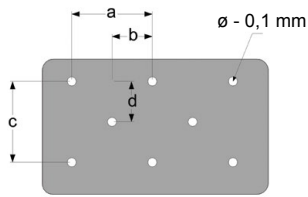
If the room has inside corners, the distance between the side of the corner should be not less than 30 cm.



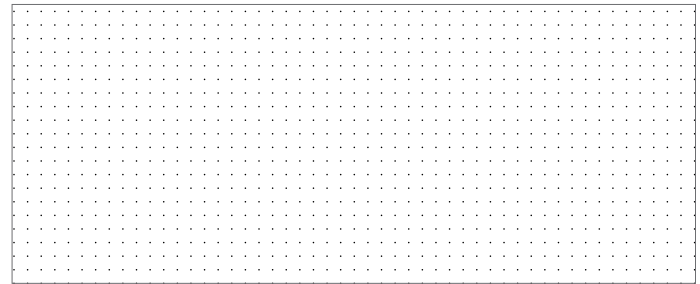
# PERFORATION



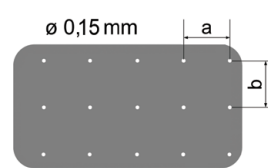
**Microperforation Taurus**



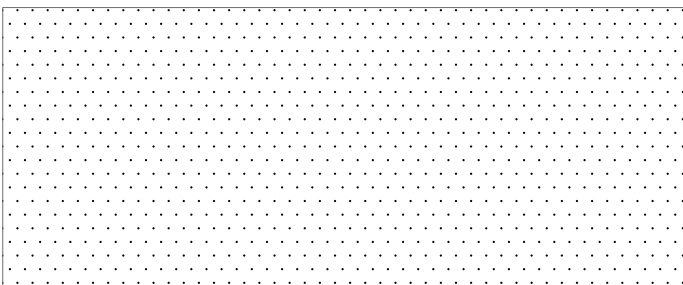
a - 1,8 mm  
b - 0,9 mm  
c - 1,8 mm  
d - 0,9 mm  
Ø - 0,1 mm  
Holes: 605 000/m<sup>2</sup>  
Hole diameter: 0,1 mm



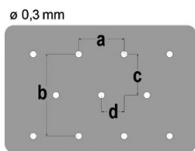
**Microperforation Auriga**



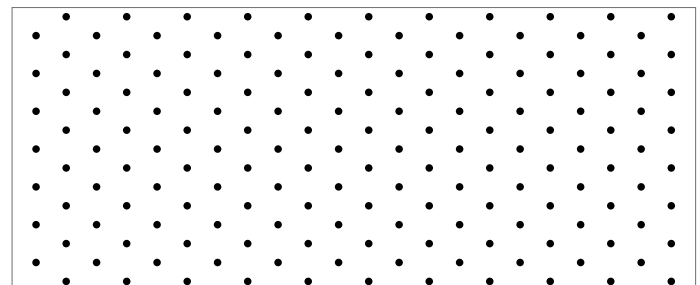
a - 1,8 mm  
b - 1,8 mm  
Ø - 0,15 mm  
Holes: 300 000/m<sup>2</sup>  
Hole diameter: 0,15 mm



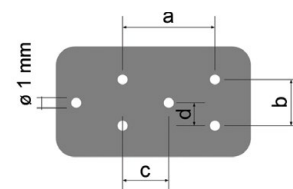
**Microperforation Orion**



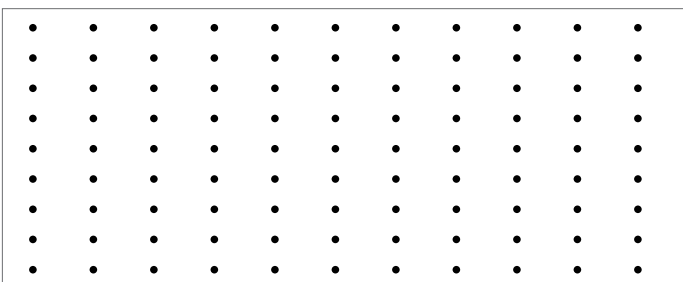
a - 2 mm  
b - 3,6 mm  
c - 1,8 mm  
d - 1 mm  
Ø - 0,30 mm  
Holes: 290 000/m<sup>2</sup>  
Hole diameter: 0,30 mm



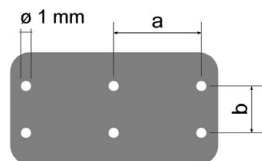
**Macroperforation Cetus**



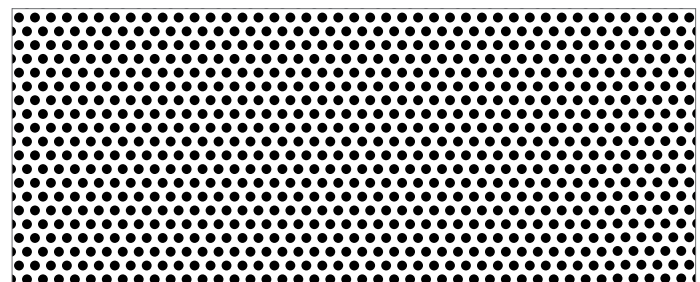
a - 8 mm  
b - 4 mm  
c - 4 mm  
d - 2,5 mm  
Ø - 1 mm  
Holes: 52 000/m<sup>2</sup>  
Hole diameter: 1 mm



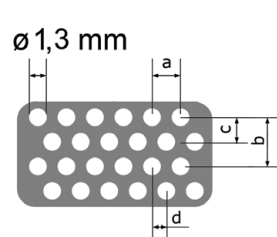
**Macroperforation Crater**



a - 8 mm  
b - 4 mm  
Ø - 1 mm  
Holes: 32 500/m<sup>2</sup>  
Hole diameter: 1 mm



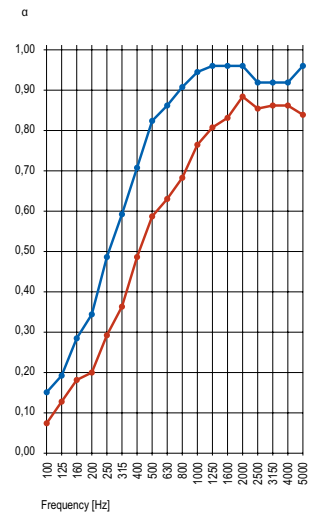
**Macroperforation Libra**



a - 2,1 mm  
b - 3,63 mm  
c - 1,82 mm  
d - 1,05 mm  
Ø - 1,3 mm  
Holes: 254 000/m<sup>2</sup>  
Hole diameter: 1,3 mm

# sound eco

Frequency [Hz]	Reverberation times, [S]		Sound absorption coefficient, $\alpha_s$	Expanded uncertainty, U	Effective degrees of freedom	Coverage factor	Coverage probability, [%]
	Empty room, T <sub>1</sub>	Room with sample, T <sub>2</sub>					
100	12,7	9,3 / 7,2	0,07 / 0,15	0,02 / 0,01	30 / 34	2,09 / 2,08	95,45
125	11,6	7,3 / 6,2	0,12 / 0,19	0,01 / 0,01	29 / 26	2,09 / 2,11	
160	11,6	6,4 / 5,1	0,18 / 0,28	0,01 / 0,02	33 / 23	2,08 / 2,11	
200	11,3	5,9 / 4,4	0,20 / 0,34	0,01 / 0,02	26 / 19	2,11 / 2,14	
250	11,1	4,8 / 3,5	0,29 / 0,48	0,02 / 0,03	19 / 18	2,14 / 2,16	
315	11,5	4,3 / 3,0	0,36 / 0,59	0,01 / 0,02	26 / 20	2,11 / 2,14	
400	10,4	3,4 / 2,6	0,48 / 0,71	0,02 / 0,03	20 / 18	2,14 / 2,15	
500	9,3	2,9 / 2,3	0,58 / 0,83	0,04 / 0,04	17 / 17	2,16 / 2,16	
630	9,1	2,7 / 2,2	0,63 / 0,86	0,02 / 0,03	18 / 17	2,16 / 2,16	
800	8,4	2,5 / 2,0	0,68 / 0,91	0,02 / 0,03	18 / 18	2,15 / 2,16	
1000	7,5	2,3 / 1,9	0,77 / 0,94	0,02 / 0,02	18 / 18	2,15 / 2,15	
1250	6,0	2,0 / 1,8	0,81 / 0,96	0,02 / 0,03	19 / 19	2,15 / 2,15	
1600	5,7	2,0 / 1,8	0,83 / 0,96	0,02 / 0,03	20 / 18	2,14 / 2,16	
2000	5,3	1,8 / 1,7	0,88 / 0,96	0,01 / 0,02	20 / 20	2,14 / 2,14	
2500	4,4	1,8 / 1,7	0,85 / 0,92	0,02 / 0,02	19 / 19	2,14 / 2,14	
3150	3,6	1,6 / 1,5	0,86 / 0,92	0,01 / 0,02	23 / 19	2,12 / 2,15	
4000	2,9	1,4 / 1,4	0,86 / 0,92	0,02 / 0,02	22 / 23	2,12 / 2,11	
5000	2,3	1,3 / 1,2	0,83 / 0,96	0,02 / 0,02	25 / 23	2,11 / 2,11	



## 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

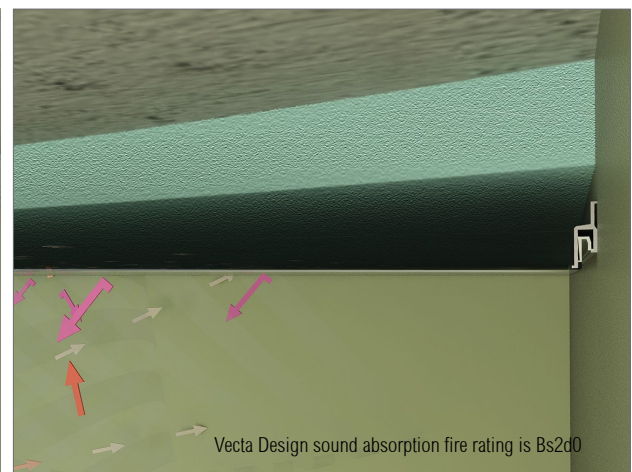
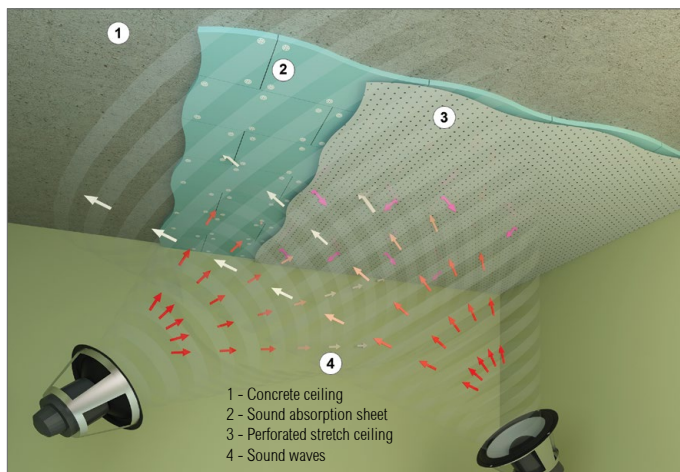
## WITHOUT SOUND ABSORPTION SHEET

### Sound absorption rating according to ISO 11654:

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

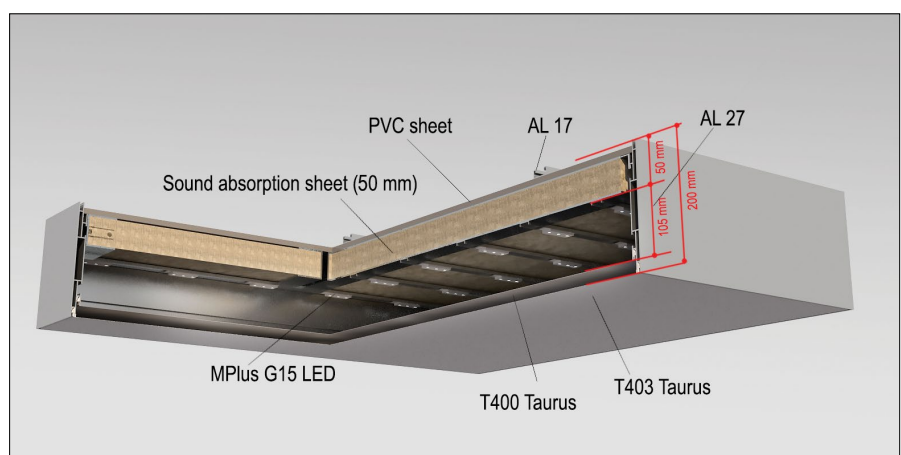
### Sound absorption rating according to ASTM C423:

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

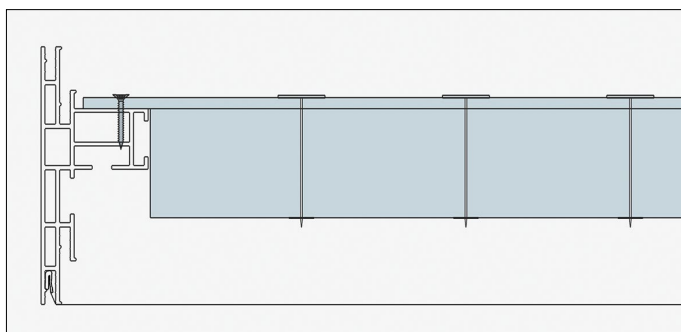
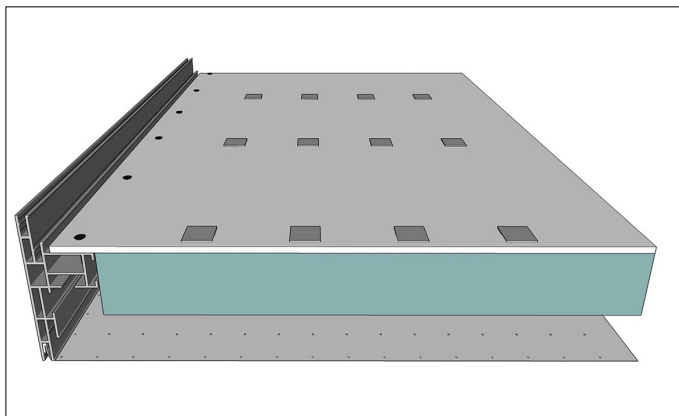
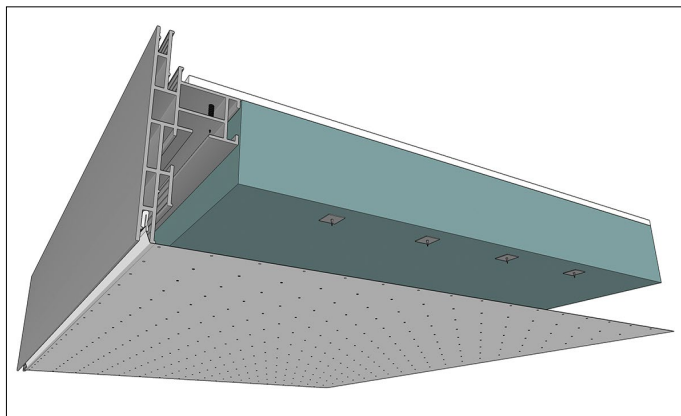


Vecta Design perforated ceilings can be used with a sound absorption sheet. This is a thermal-acoustic insulating material that is recognized for its exceptional acoustic absorbing and thermal insulating properties. Vecta Design offers 2 kinds of absorbents with a density of 25 kg/m<sup>3</sup>: thickness of 30mm and 50mm. Sound absorption sheet contains no toxic substances, it can be handled and installed safely.

Vecta Design perforated ceilings can be used in the public and private places, where intensity of sound (noise) should be reduced, for example: airports, museums, churches, night clubs, restaurants.







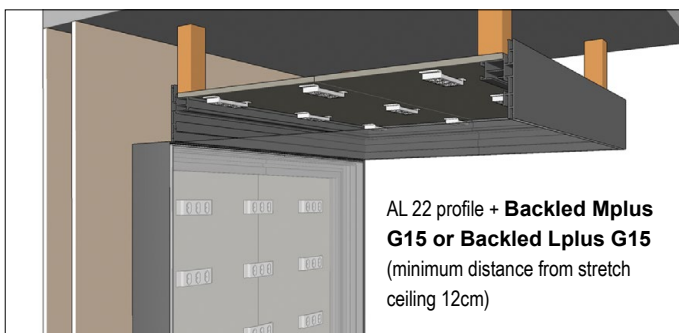
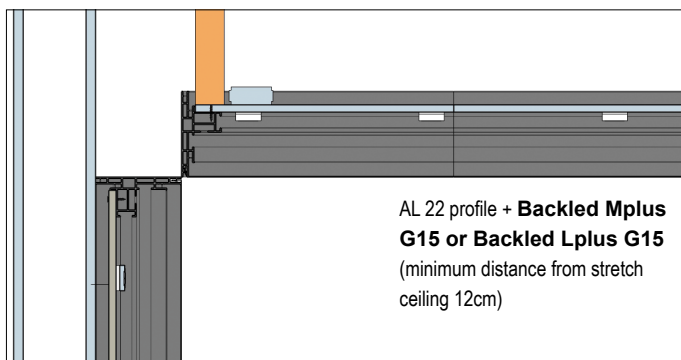
Installation of acoustic panels with AL22 EXPO profile and microperforated material

## TRANSMISSION RATES AND LIGHT POWER

Transmission rates for Vecta Design translucent materials:

T-400 Pure White opacity is 34,54  
T-402 Crystal opacity is 61,37  
T-403 White opacity is 60,47  
T-405 Lumi opacity is 58,12

Whereas 100 means 100% opacity (no light passes through) and the value 0 corresponds to 100% transparency



## LIGHT POWER IN LUX



Light source	Without ceiling	With ceiling	Transmission rate in%
827 Domestic	3252	2273	69.90
TL 84 Store Light	3350	2261	67.49
D65 Daylight	2180	1439	66.01
827+D65+TL 84	8860	5849	66.02

Measured at: PRODECO Stretch ceiling film Matt Translucent,  
Article no. 10.40.60.0005.000 / 10.40.75.0015.000

LUX Merasurement device:

GL SPECTIS 1.0 (mini spectrometer)

Lightmeter inci. SPX driver

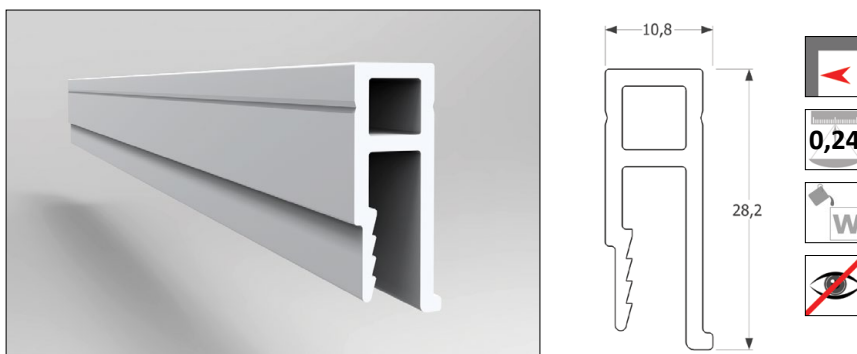
Item nr. 67827

Machine producer: Just Normlicht, Weilheim / Teck, Germany



# PC 01

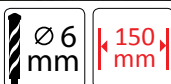
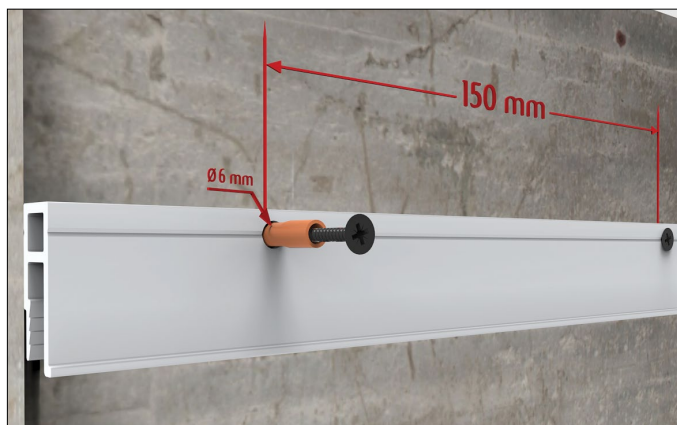
PVC wall profile used with decoration strip



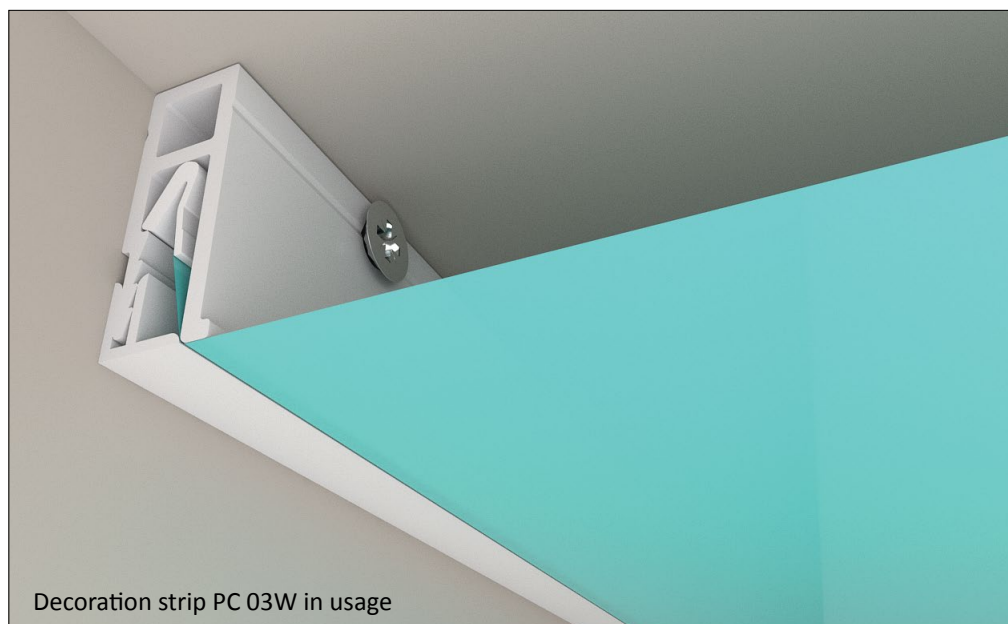
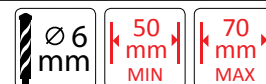
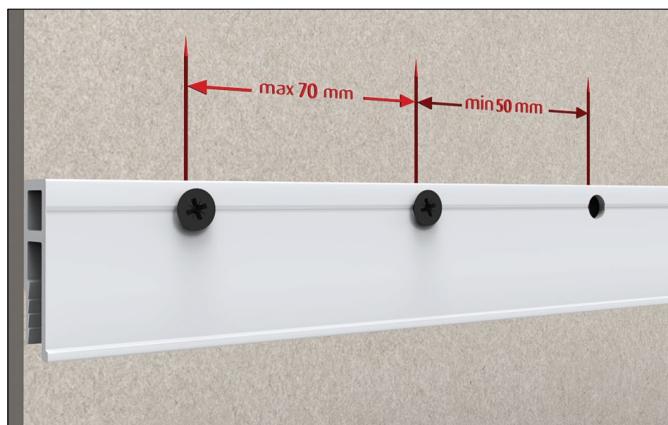
Profile is used with decoration strip for installing stretch ceilings only to the wall. Recommended area for installation of the stretch ceiling with this profile is up to 20-25 m<sup>2</sup>. Suitable for fastening to the curved horizontal constructions. Using decoration strip highlights defects and irregularities of the wall.

**By using PVC profiles the stretch ceilings can not be reinstalled unlike with aluminum profiles. PVC profile can bend by opening the stretch ceilings harpoon lock and the PVC profile should be replaced after opening the stretch ceiling. By using aluminum profiles the stretch ceilings can be opened and reinstalled by stretch ceilings installers as many times as needed.**

Fastening the profile to the solid surface (concrete)



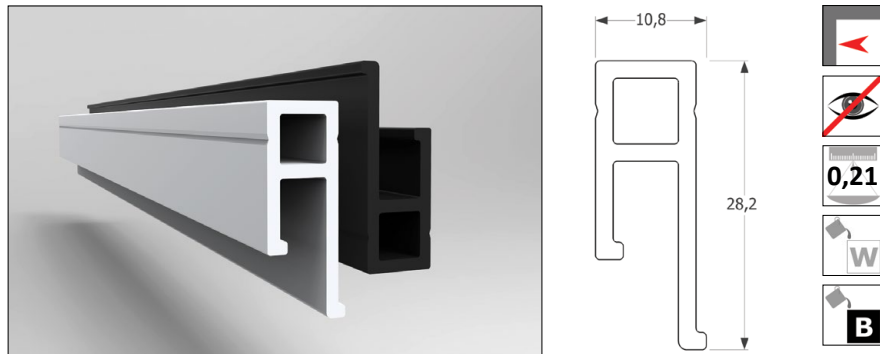
Fastening the profile to the soft surface (plasterboard)



Decoration strip PC 03W in usage

## PC 02

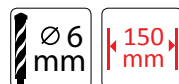
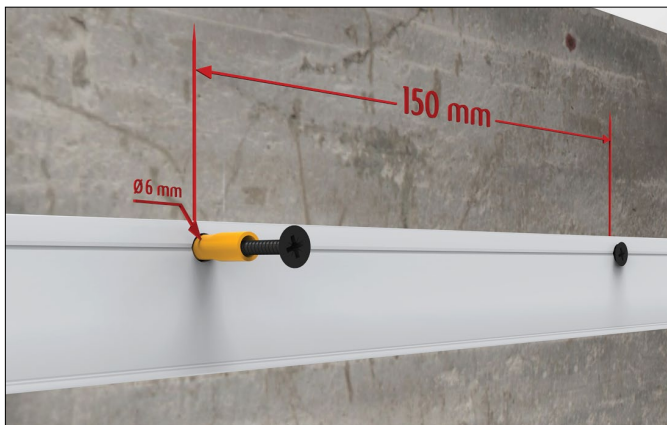
PVC wall profile used without decoration strip



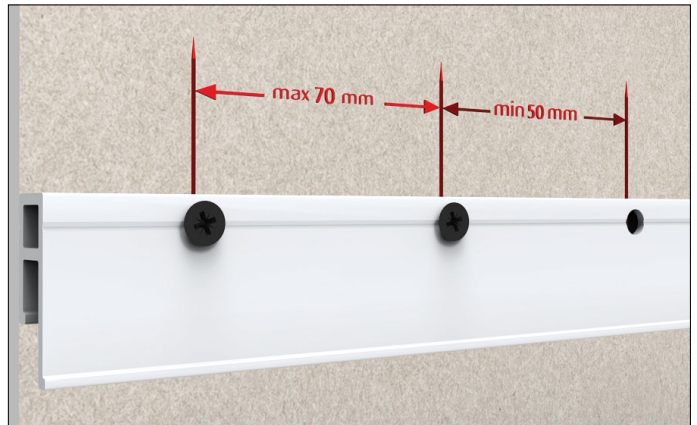
Profile is used without decoration strip for installing stretch ceilings only to the wall, creating the impression of the ceiling floating in the air. Recommended area for installation with this profile is up to 20-25 m<sup>2</sup>. Suitable for fastening to the curved surfaces. This profile visually reduces the defects and irregularities of the walls by 1-2,5 mm. The ceiling benefits from extremely pure lines, without visible tracks. It can be used for all designs, even the most imaginative.

**By using PVC profiles the stretch ceilings can not be reinstalled unlike with aluminum profiles. PVC profile can bend by opening the stretch ceilings harpoon lock and the PVC profile should be replaced after opening the stretch ceiling. By using aluminum profiles the stretch ceilings can be opened and reinstalled by stretch ceilings installers as many times as needed.**

Fastening the profile to the concrete wall



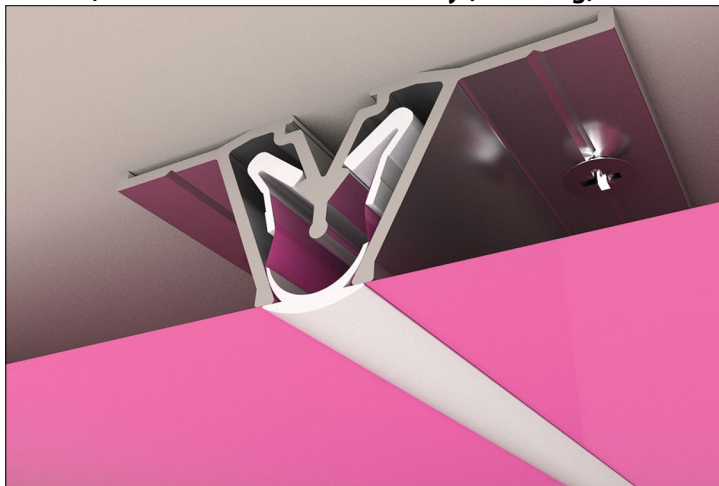
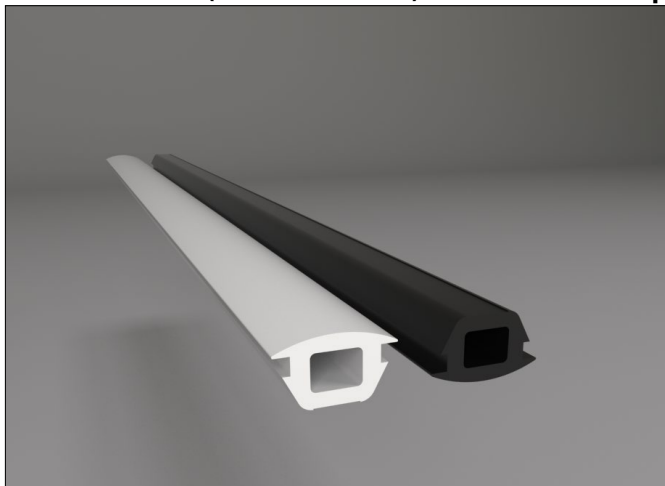
Fastening the profile to the plasterboard wall



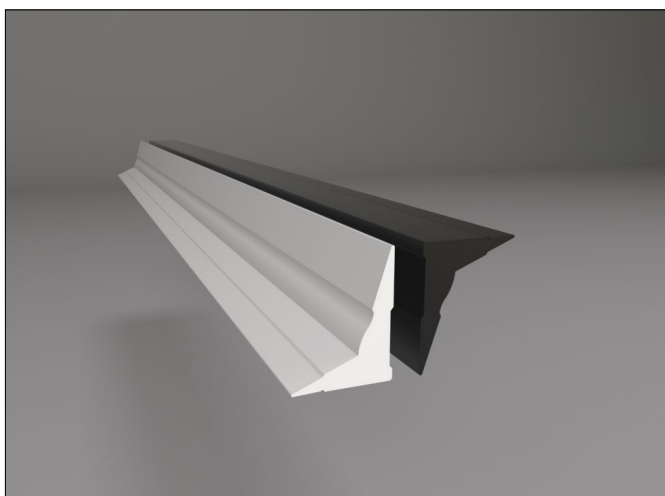
**PC 03 W/B** (W-white/B-black) PVC decoration strip used for PC01, AL01, AL02, AL04, AL14, AL26 (2,5m long)



**PC 04 W/B** (W-white/B-black) PVC decoration strip for AL03, can be used but not necessary (50m long)

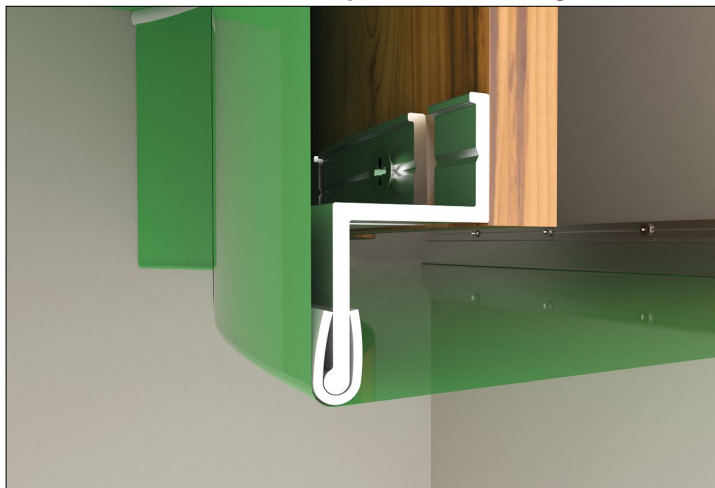


**PC 05 W/B** (W-white/B-black) PVC decoration strip for AL 01 S, AL 02 S, AL 05, AL 08, can be used but not necessary (50m long)

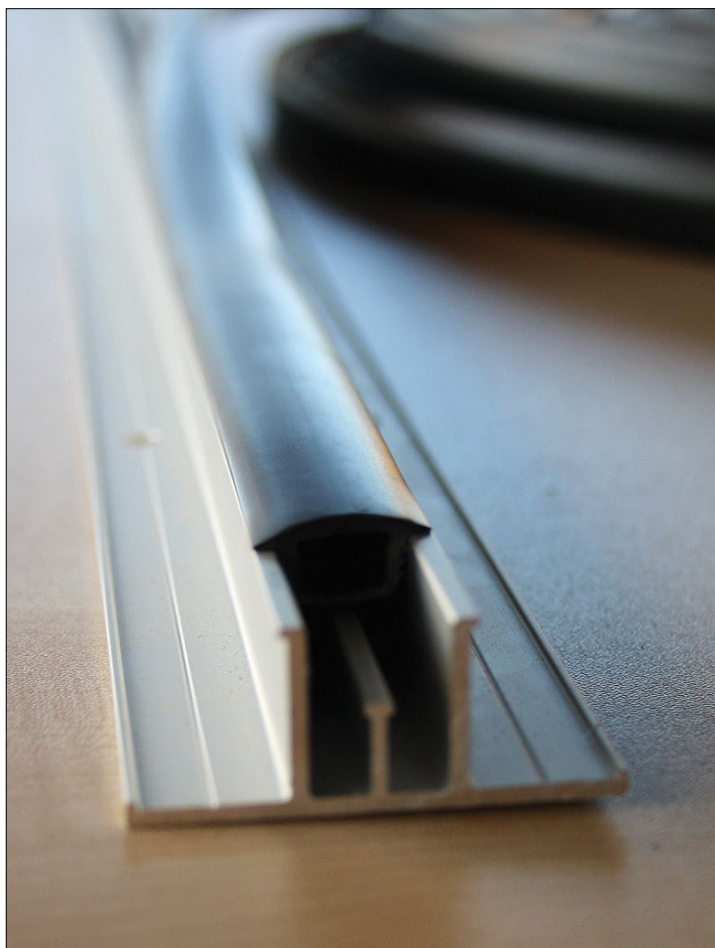




**PC 07 W/B** (W-white/B-black) PVC decoration strip for AL10, AL06 and for curved profiles (2,5m long)

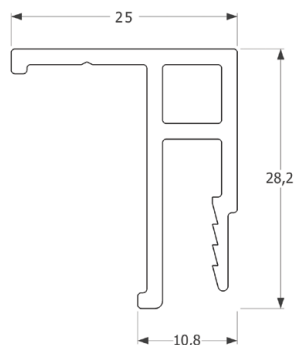


**PC 11 W/B** (W-white/B-black) PVC decoration strip for AL07 (25m long)



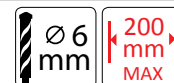
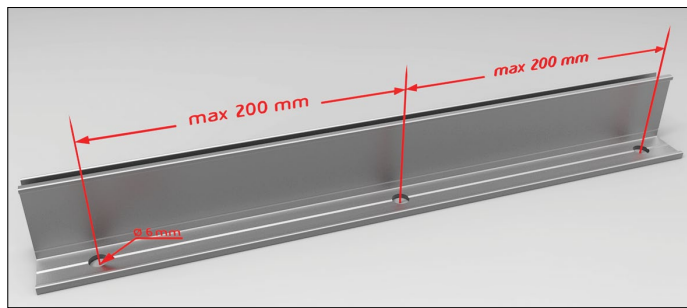
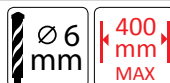
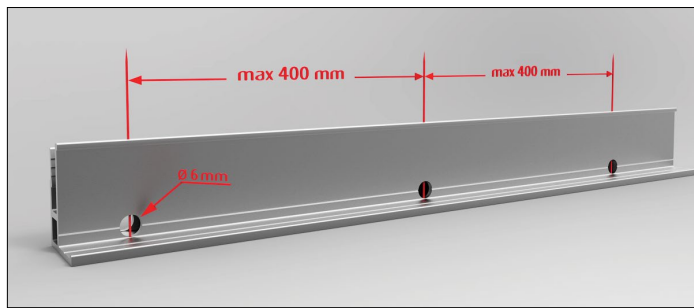
# AL 01

Aluminum universal profile 25x28 used with decoration strip

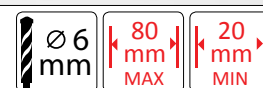
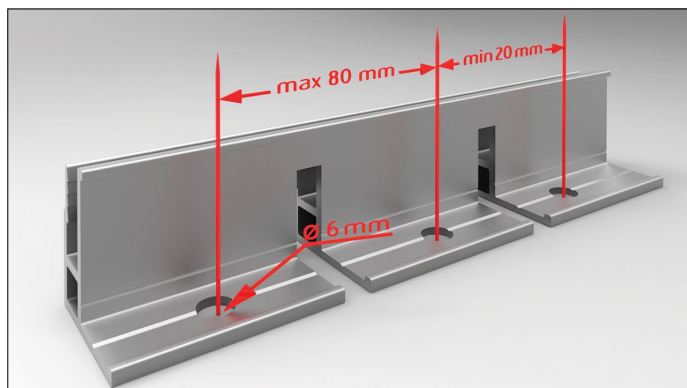
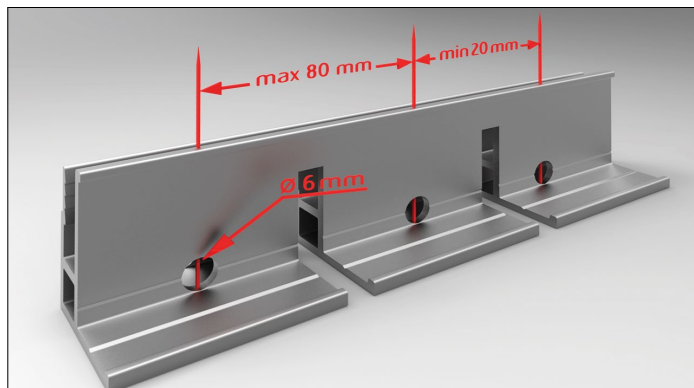


Profile is used with decoration strip for installing stretch ceilings to the wall or to the ceiling. Anodized profile is recommended to use in the rooms with high humidity level (bathroom, spa). Recommended area for the installation with this profile is up to 50 m<sup>2</sup>. Profile is used with decoration strip.

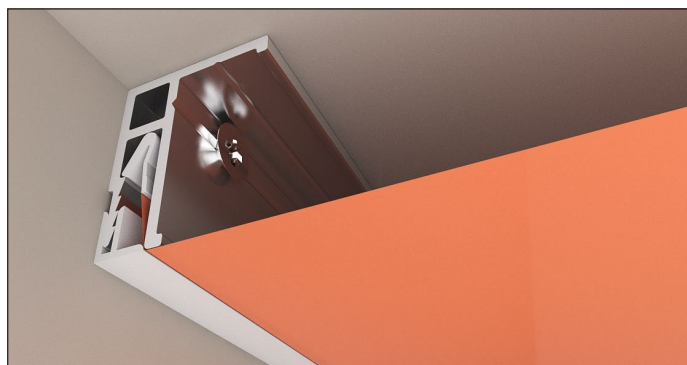
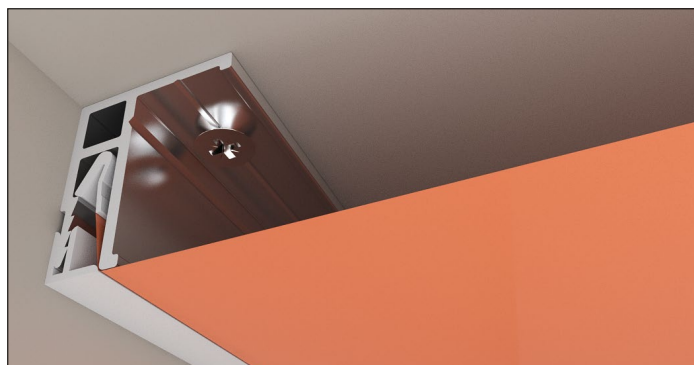
## Fastening the profile on the straight surface



## Pre-notched in the factory for easy adaptation on site to rounded and vaulted shapes

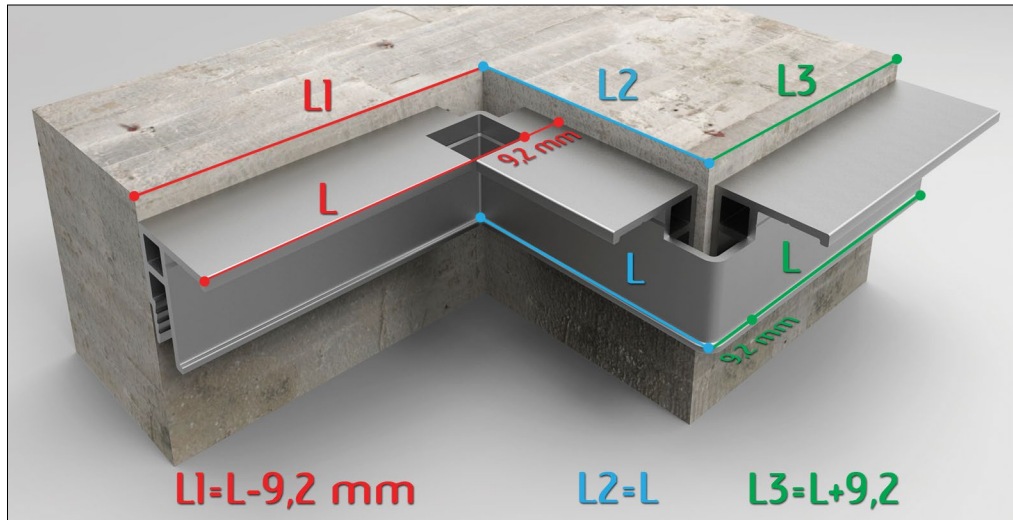
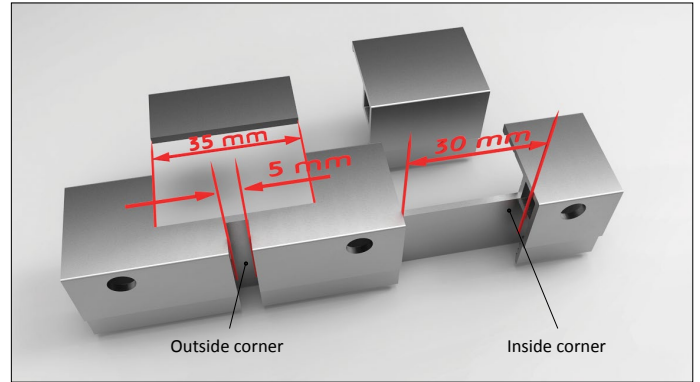
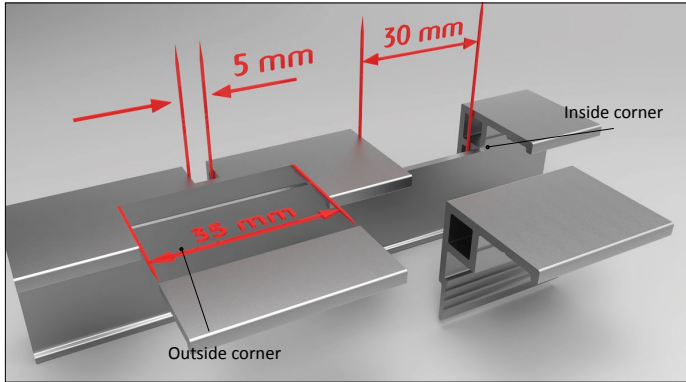


## Decoration strip PC 03W in usage

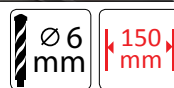




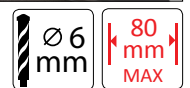
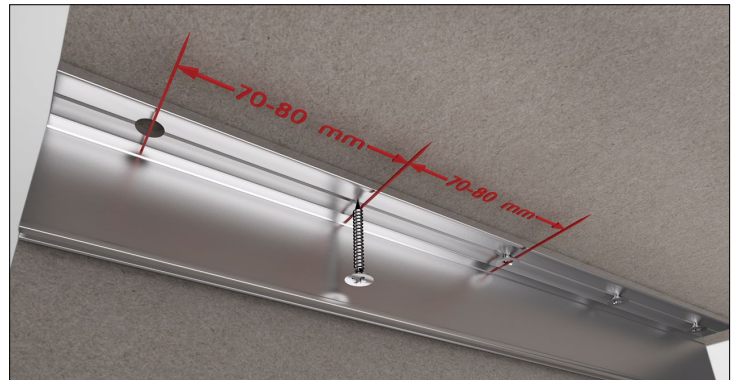
## Cutting profile corners



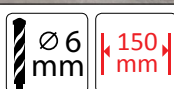
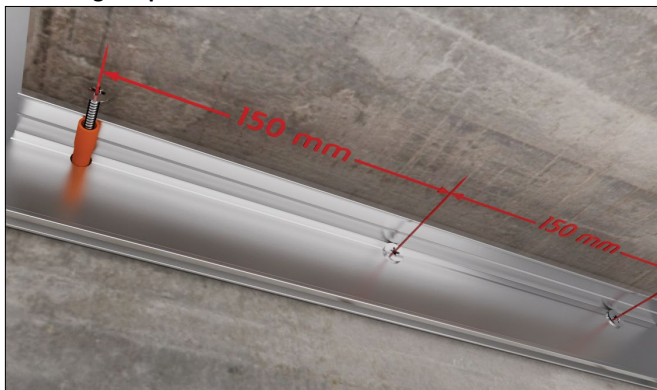
## Fastening the profile to the concrete ceiling



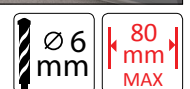
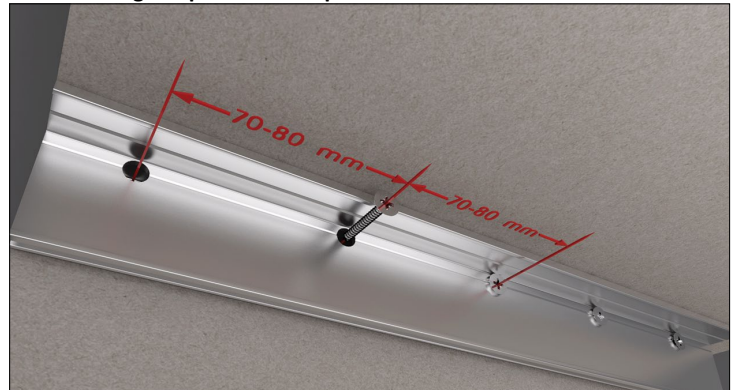
## Fastening the profile to the plasterboard ceiling



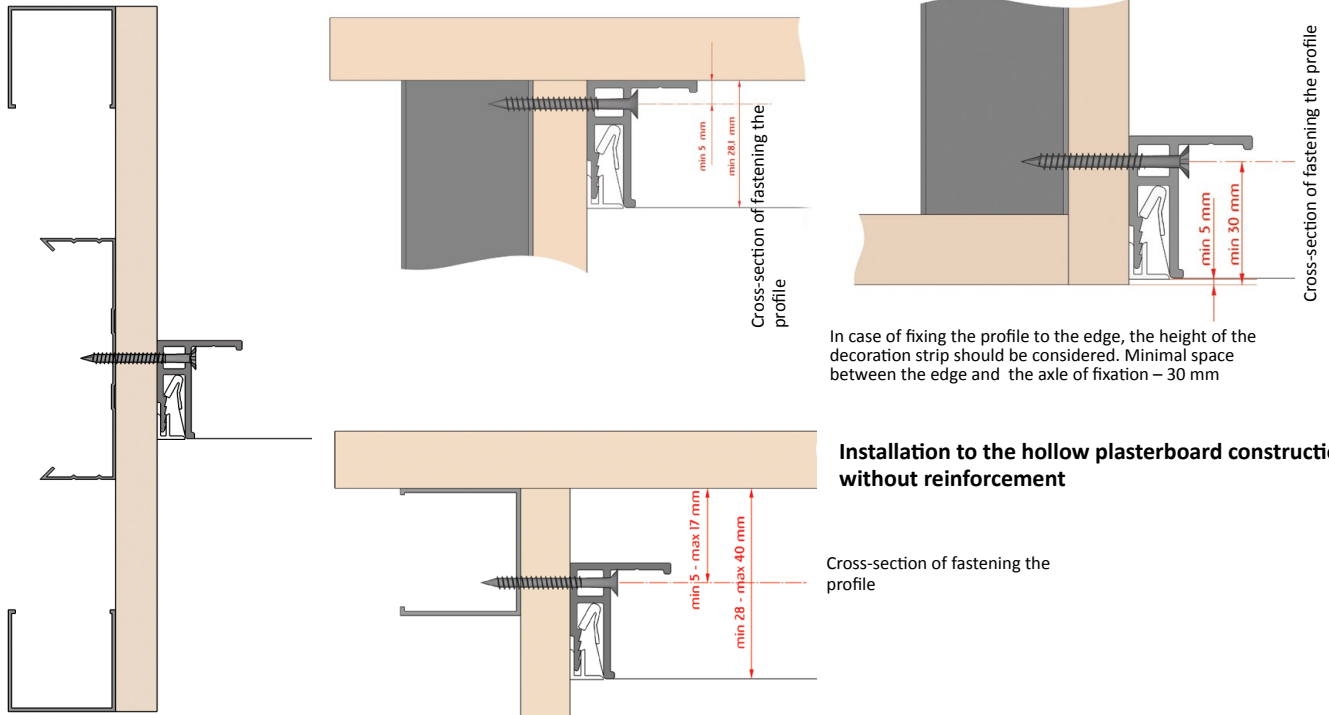
## Fastening the profile to the concrete wall



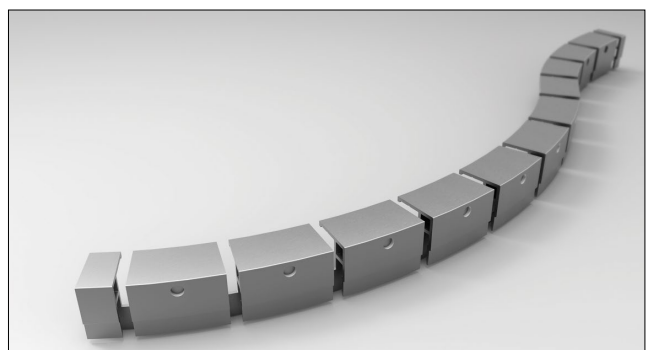
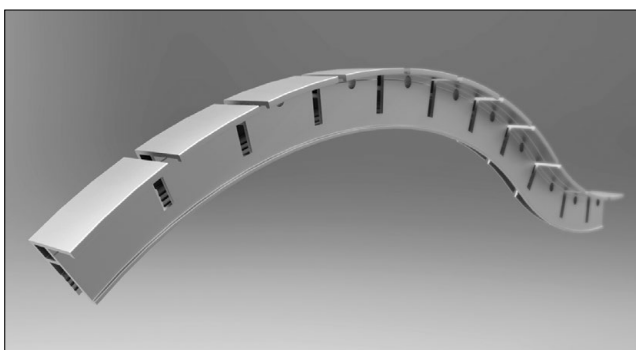
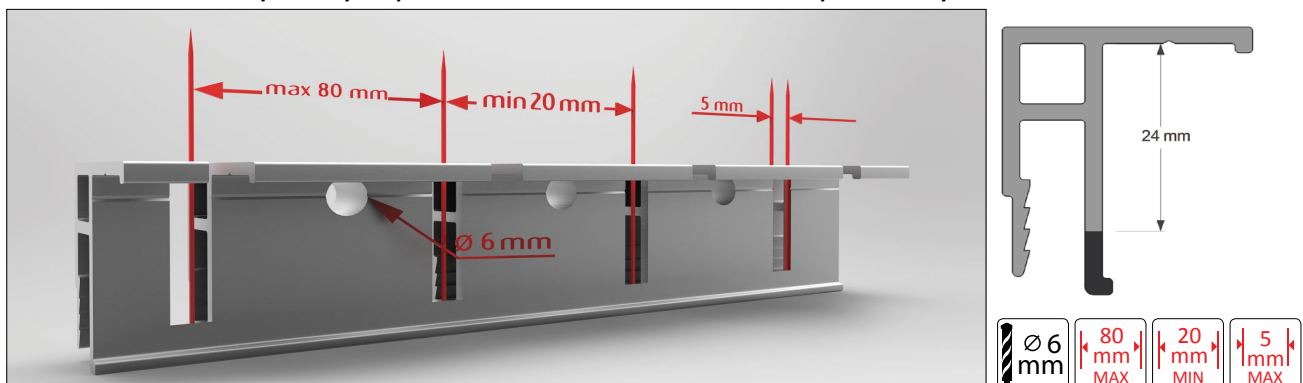
## Fastening the profile to the plasterboard wall



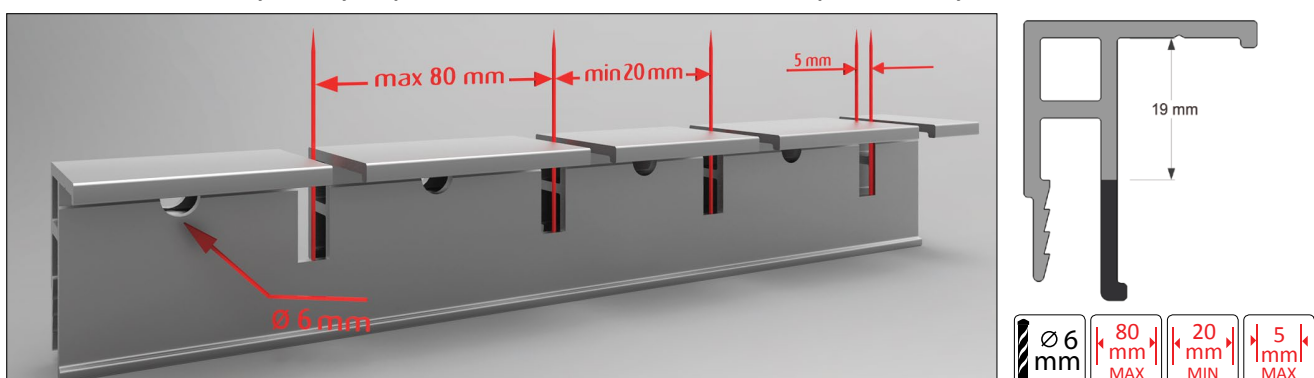
## Fastening the profile to the metal framework and plasterboard



## Pre-notched in the factory for easy adaptation on site to rounded and vaulted shapes vertically

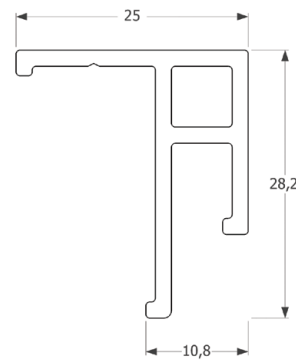


## Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape horizontally



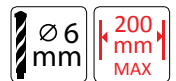
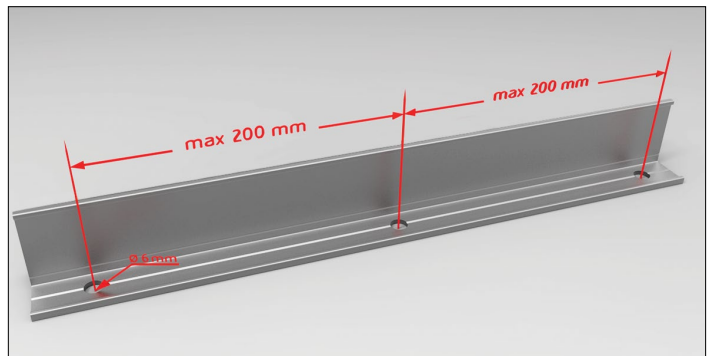
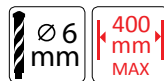
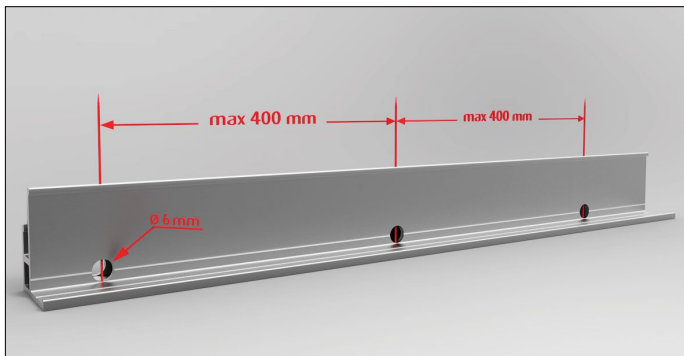
# AL 01 S

Aluminum universal profile 25x28 S used without decoration strip

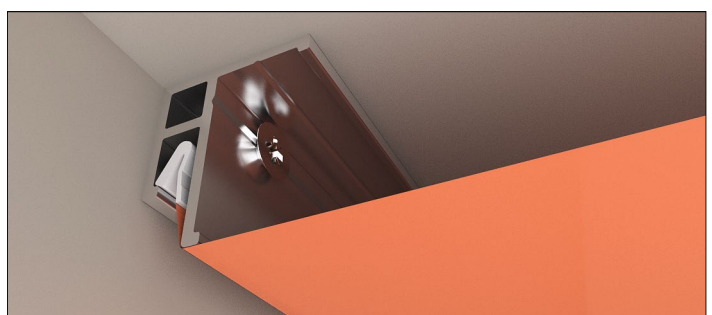
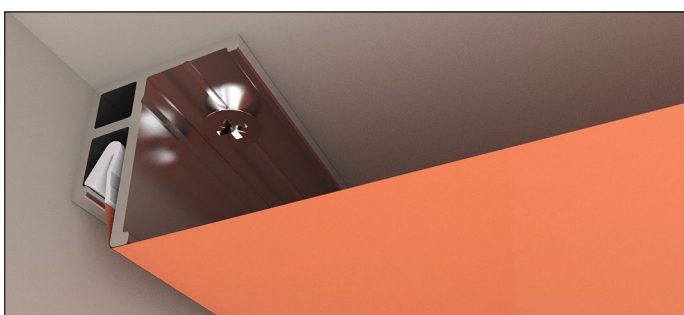
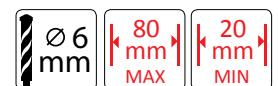
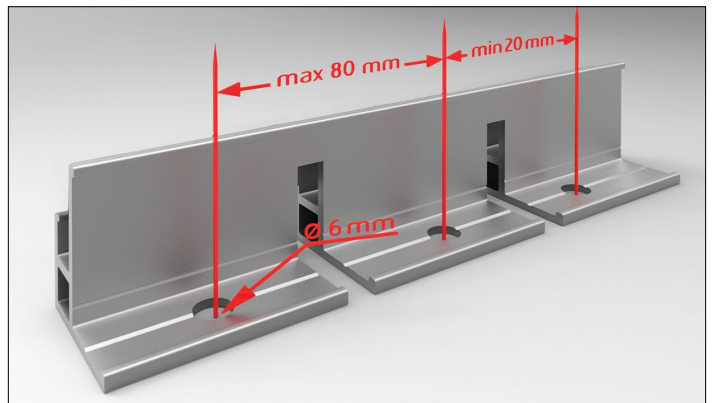
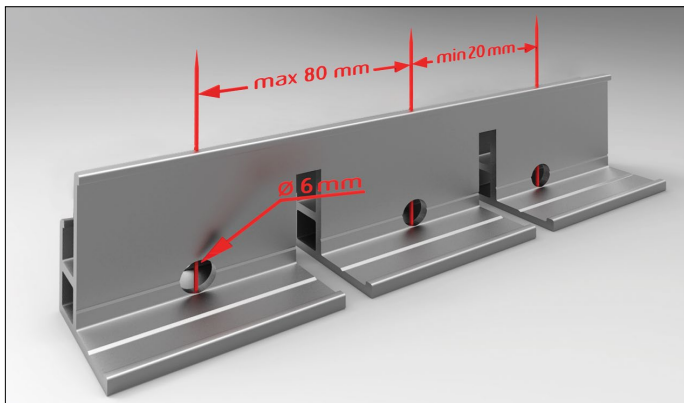


Profile is used without decoration strip for installing stretch ceilings to the wall or ceiling, creating an impression of the ceiling floating in the air. Anodized profile is recommended to use in the rooms with high humidity level (pool, bathroom, spa). Recommended area for installation with this profile is up to 50 m<sup>2</sup>. Given profile visually reduces the defects and irregularities of the walls by 1-2,5 mm. The ceiling benefits from extremely pure lines, without visible tracks.

## Fastening the profile to the straight surface

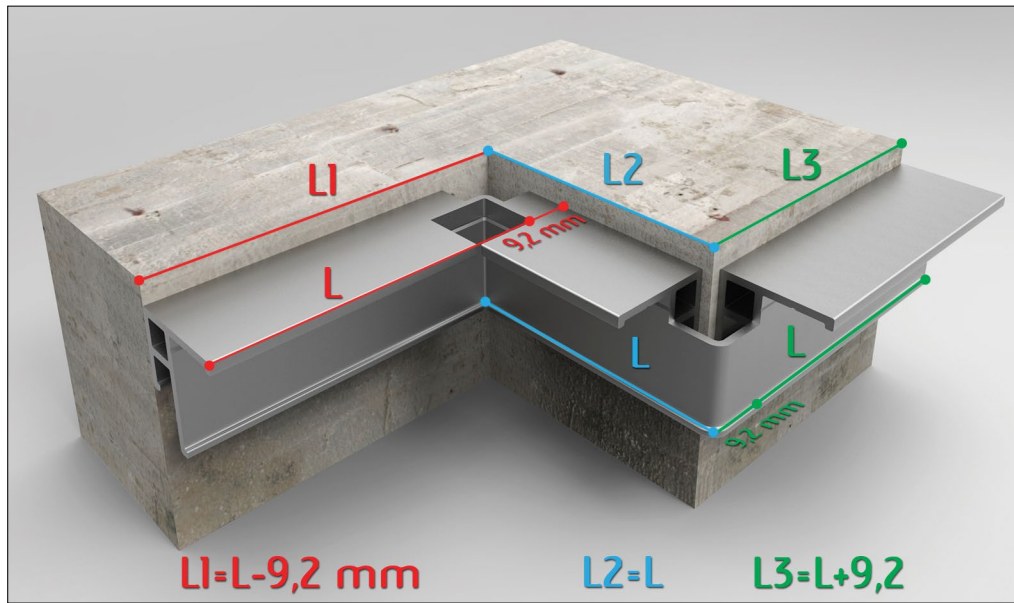
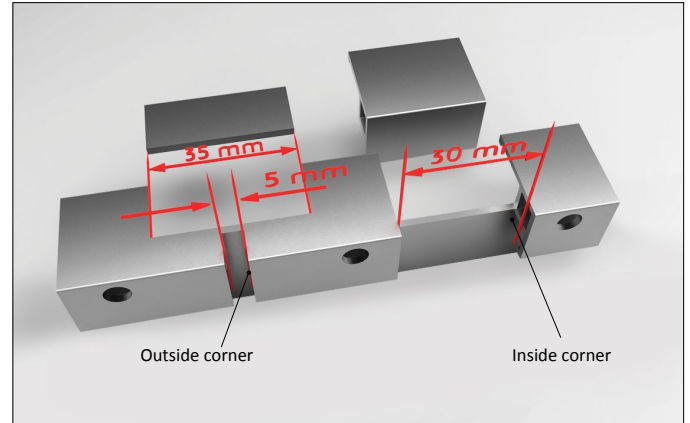
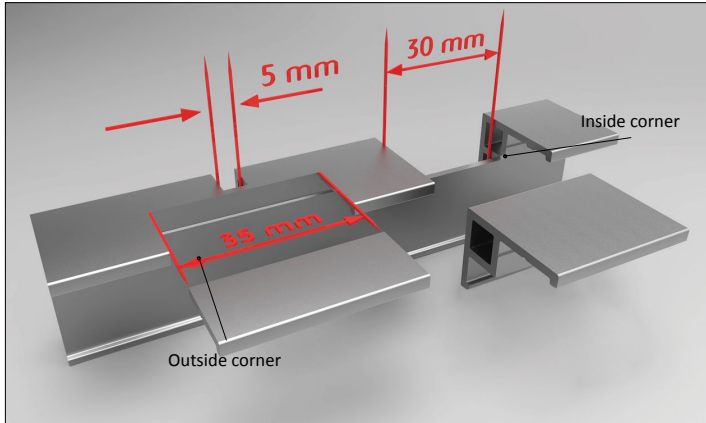


## Pre-notched in the factory for easy adaptation on site to rounded and vaulted shapes

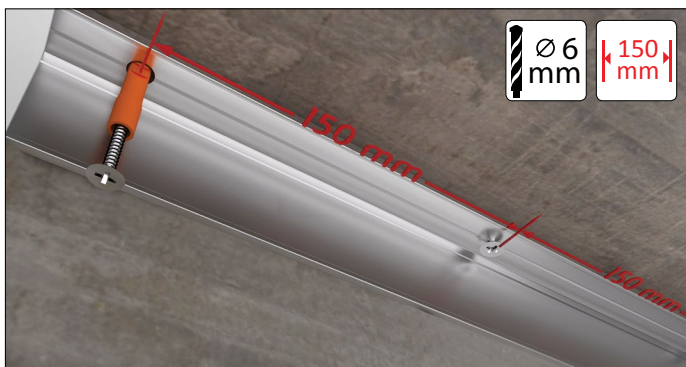




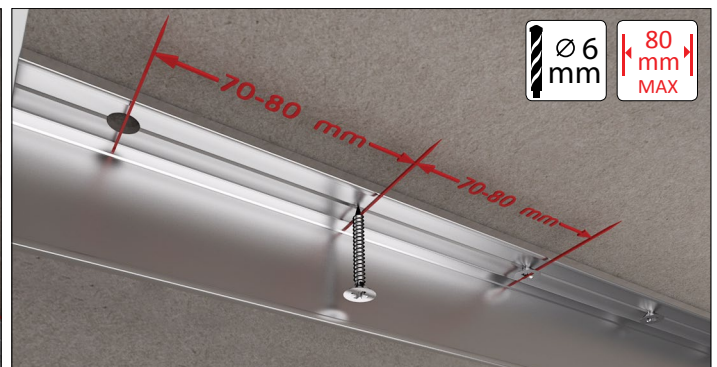
## Cutting profile corners



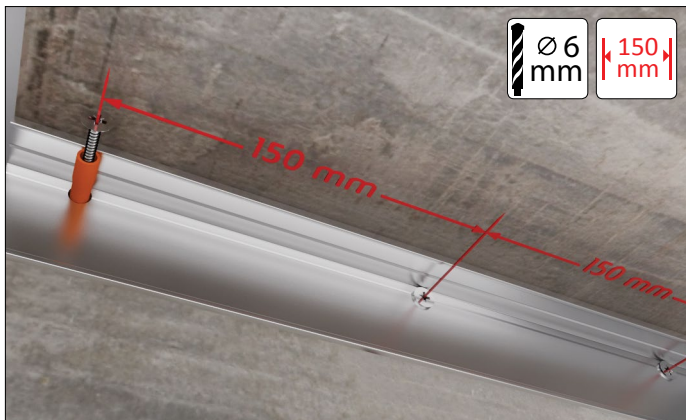
## Fastening the profile to the concrete ceiling



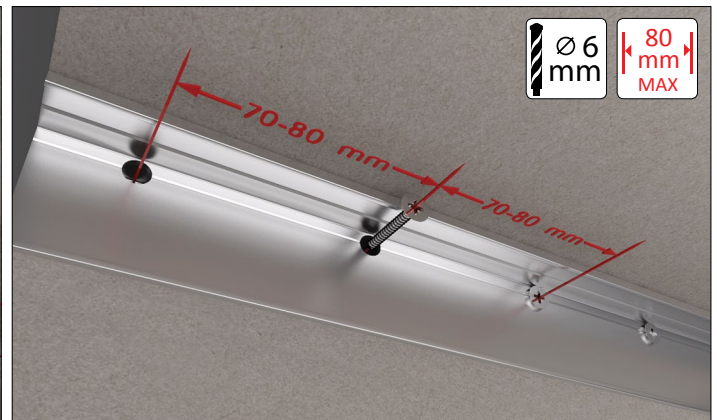
## Fastening the profile to the plasterboard ceiling



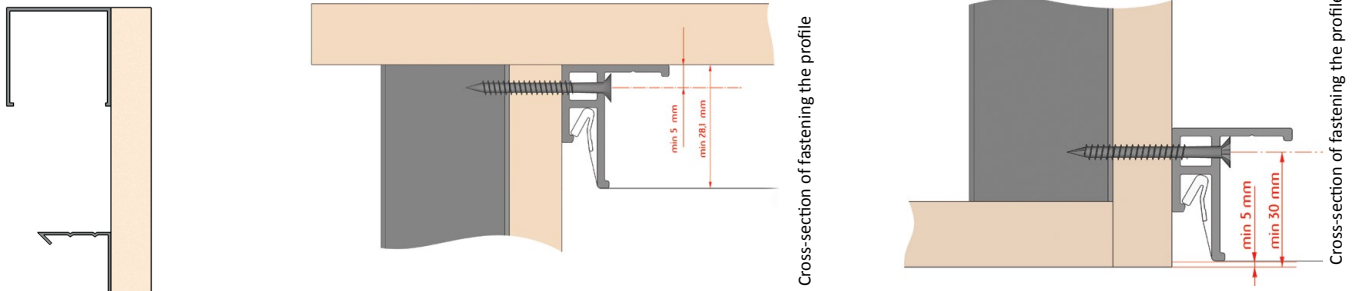
## Fastening the profile to the concrete wall



## Fastening the profile to the plasterboard ceiling

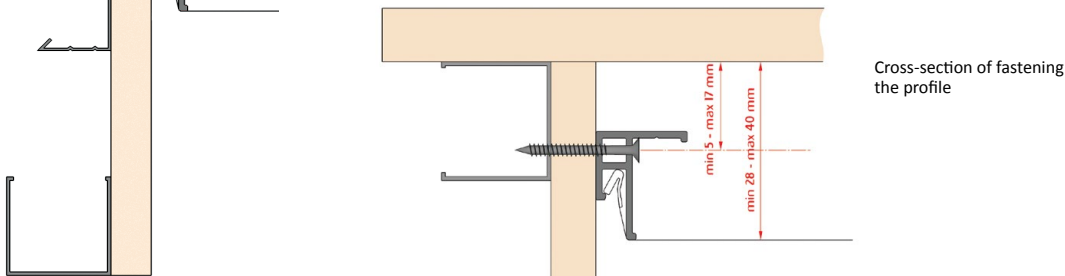


### Fastening the profile to the metal framework and plasterboard

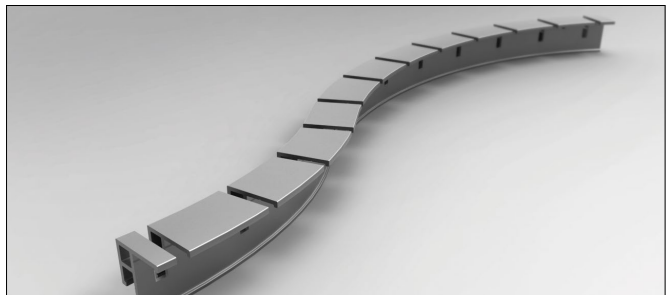
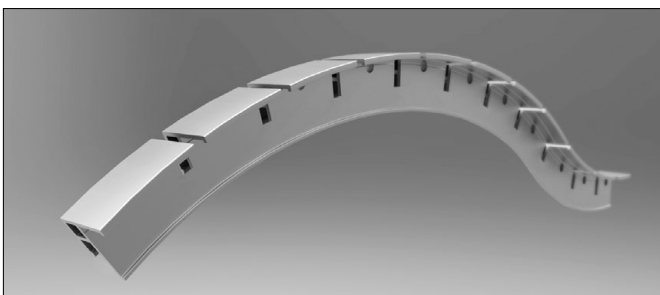
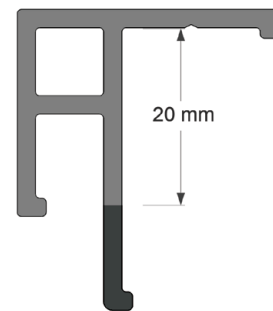
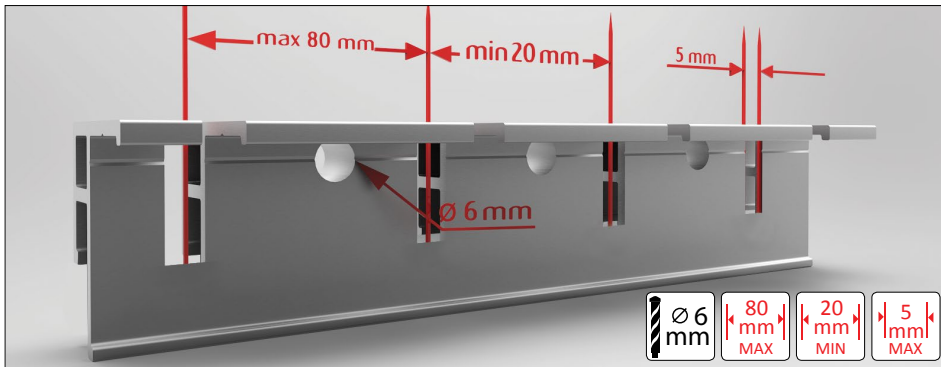


In case of fixing the profile to the edge, the height of the decoration strip should be considered. Minimal space between the edge and the axle of fixation – 30 mm

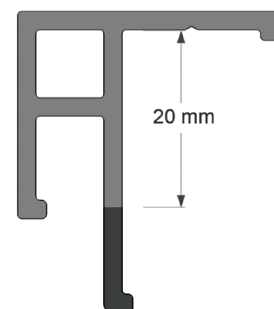
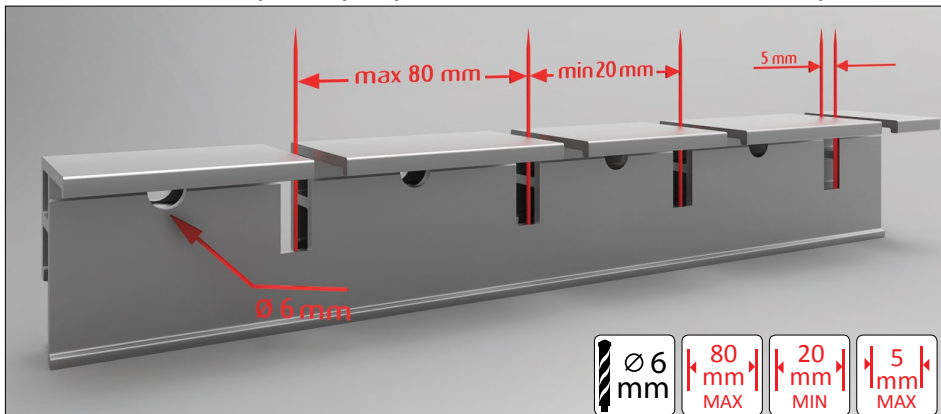
### Installation to the hollow plasterboard construction without reinforcement



### Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape vertically

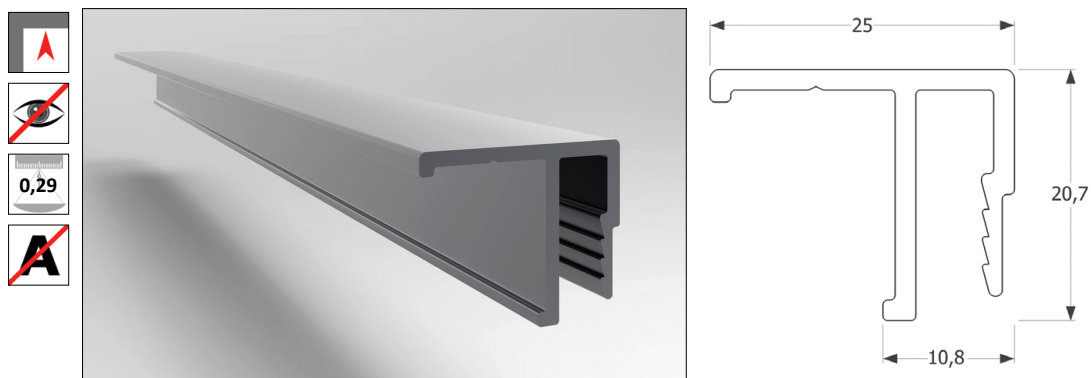


### Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape horizontally



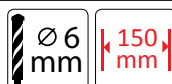
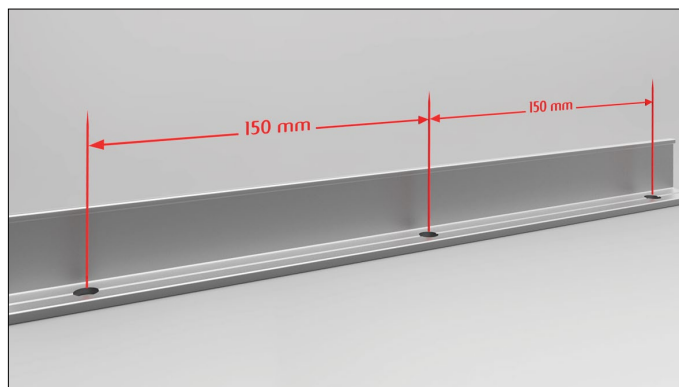
## AL 02

Aluminum universal profile 25x28 used with decoration strip

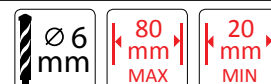
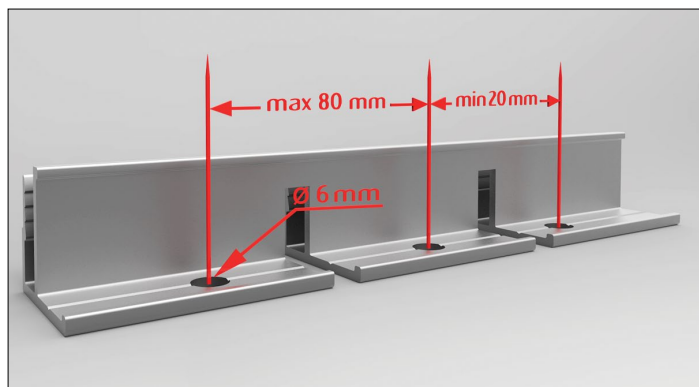


Profile is used with decoration strip for installing stretch ceiling to the ceiling and in certain cases to the wall. Anodized profile is recommended to use in the rooms with high humidity level (pool, bathroom, spa). Recommended area for installation with this profile is up to 50 m<sup>2</sup>.

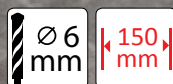
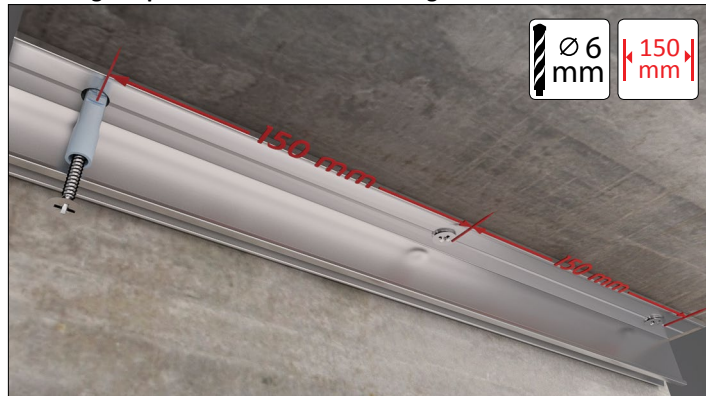
### Fastening the profile to the straight line



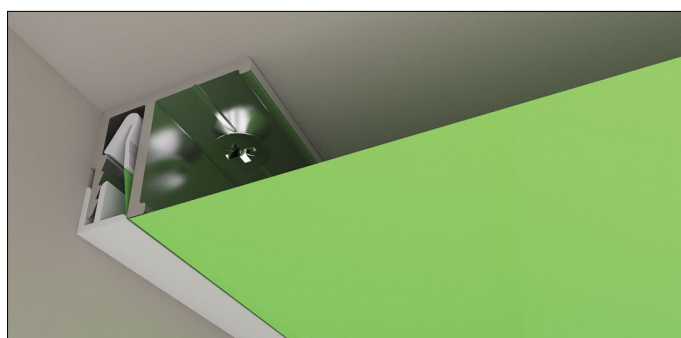
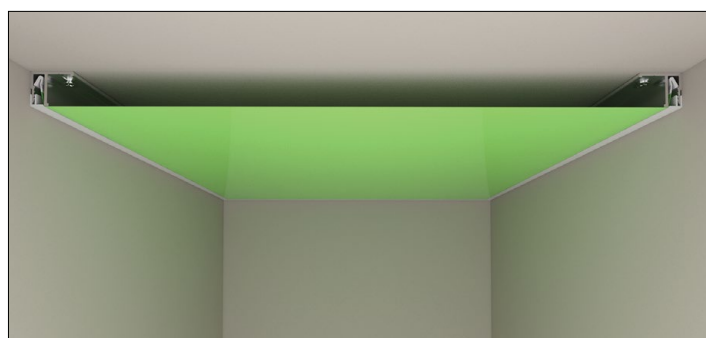
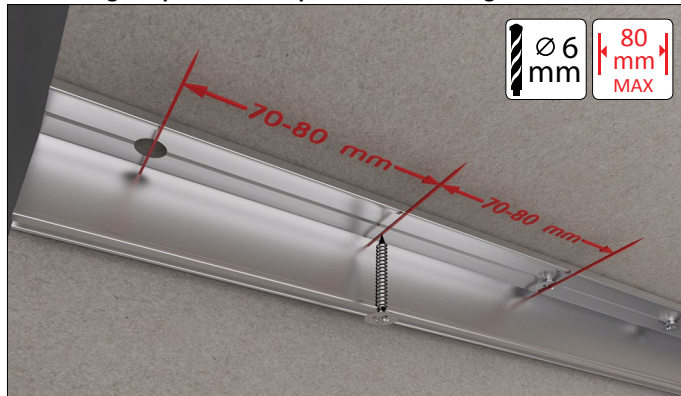
### Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape



### Fastening the profile to the concrete ceiling

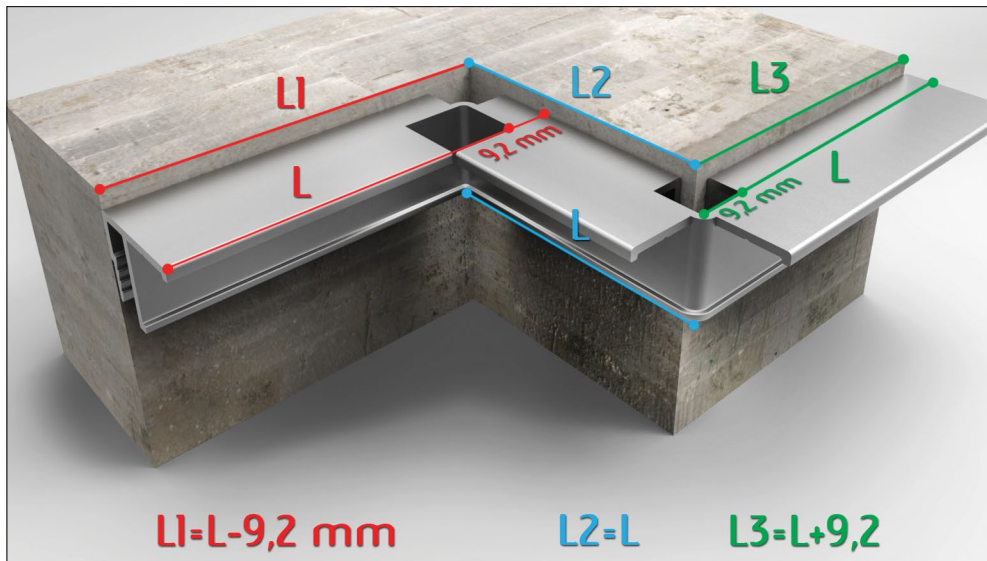
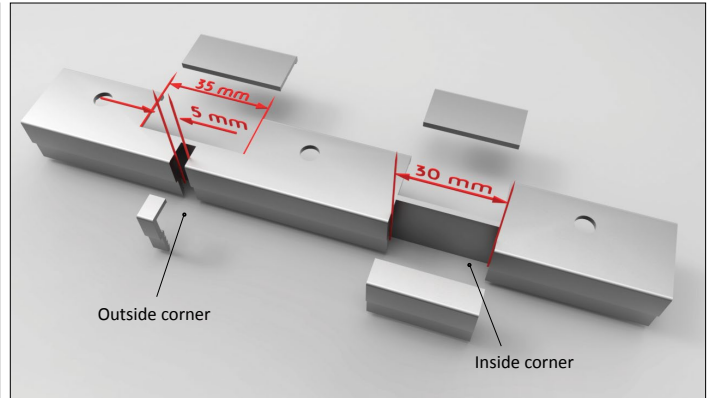
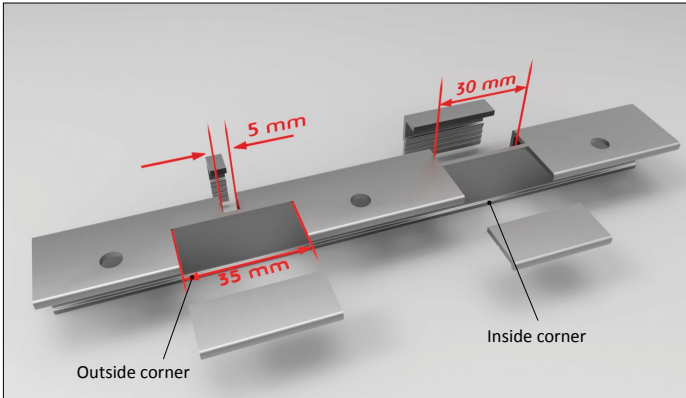


### Fastening the profile to the plasterboard ceiling





## Cutting profile corners

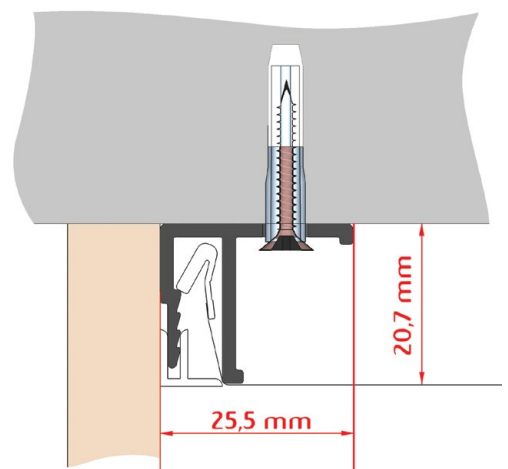
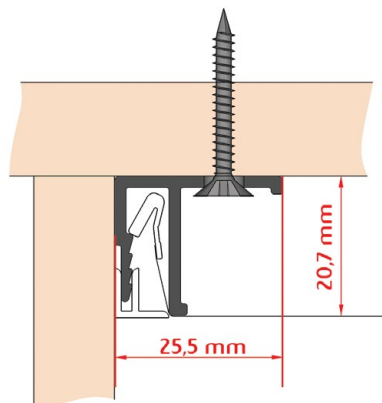
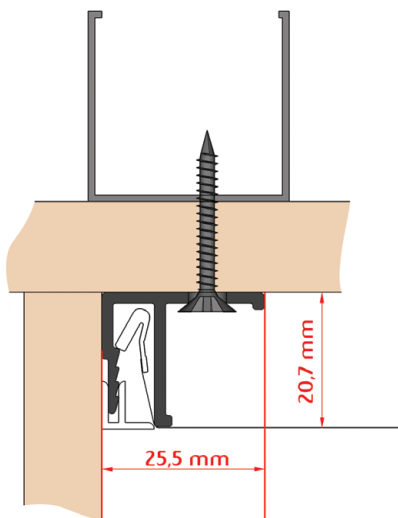


## Profile installation

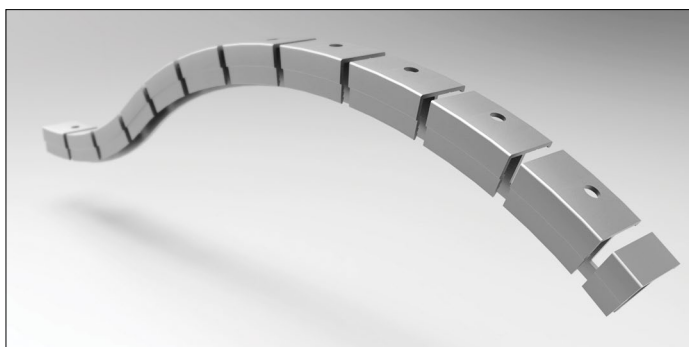
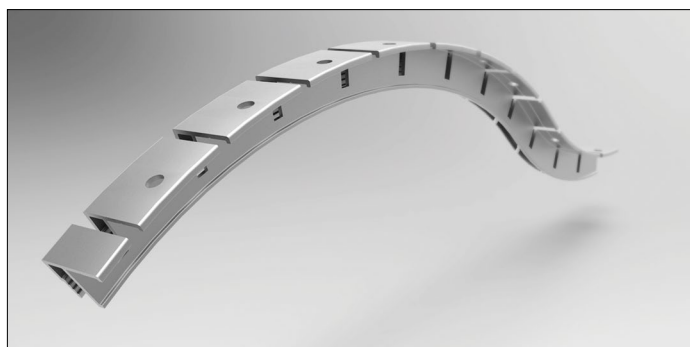
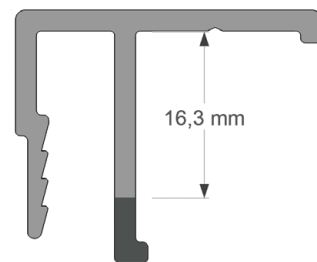
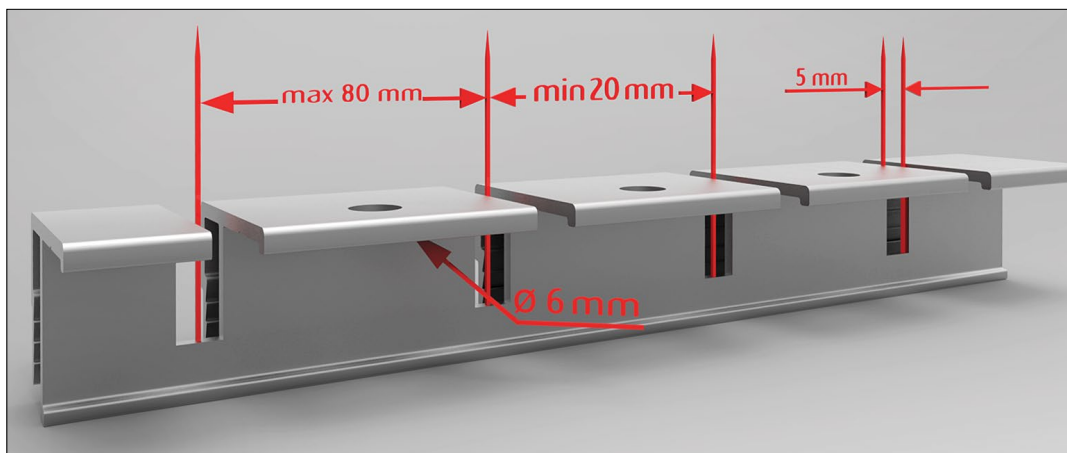
- Fastening the profile to the metal framework and plasterboard

- Fastening the profile to the hollow plasterboard construction without reinforcement

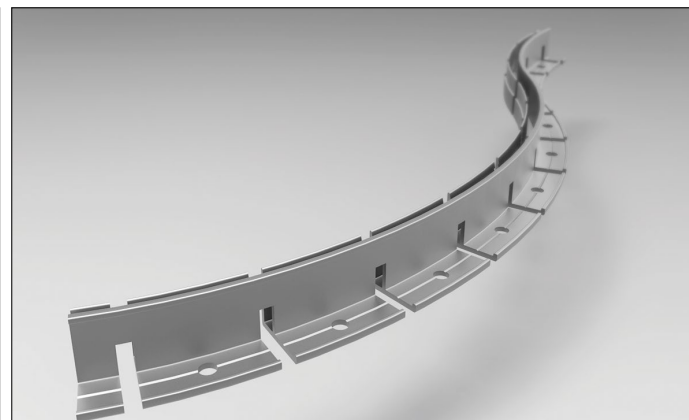
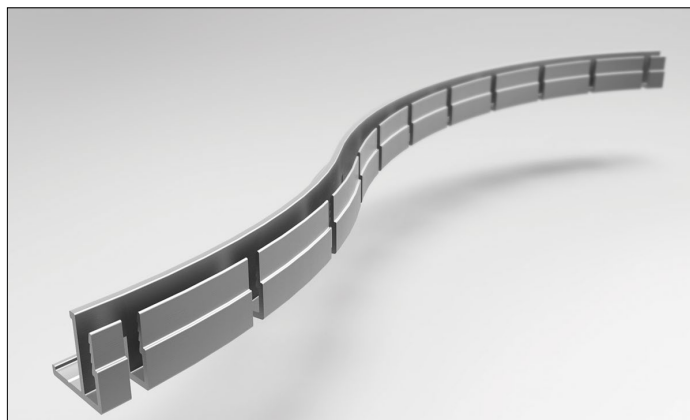
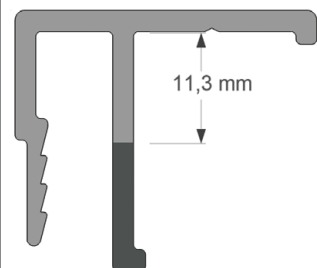
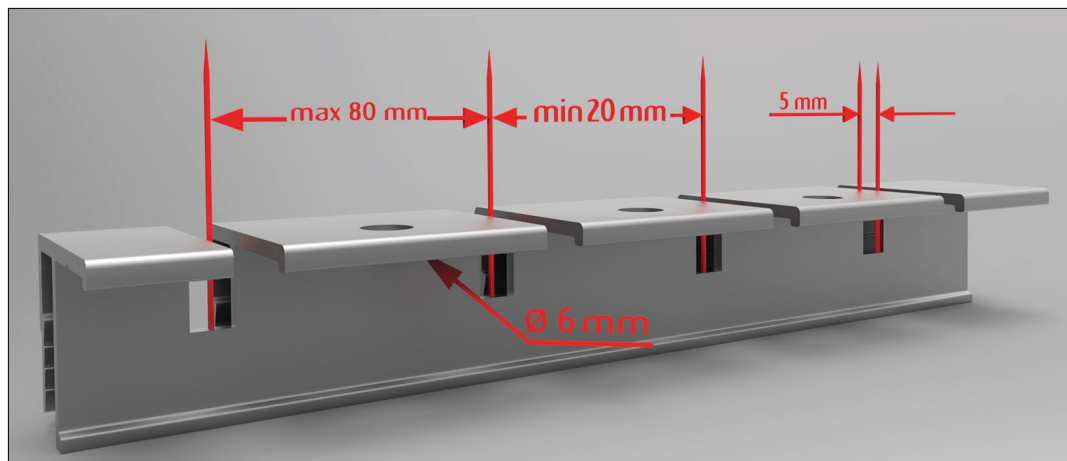
- Fastening the profile to the concrete and brick walls



Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape vertically

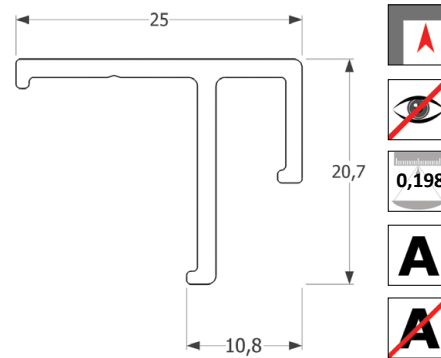
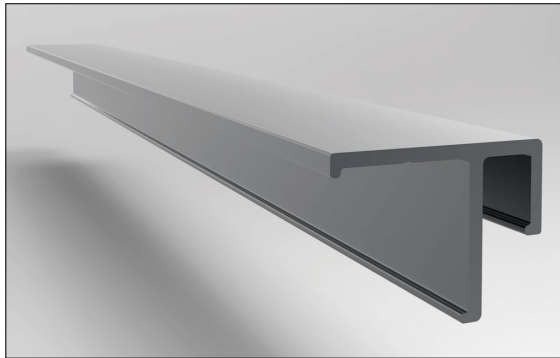


Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape horizontally



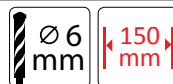
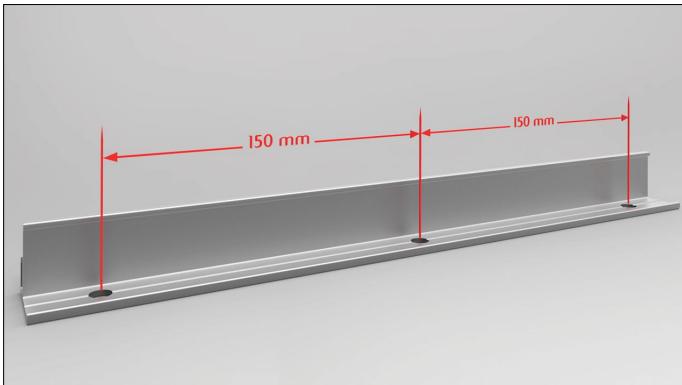
# AL 02 S

Aluminum ceiling profile 25x20 S used without decoration strip

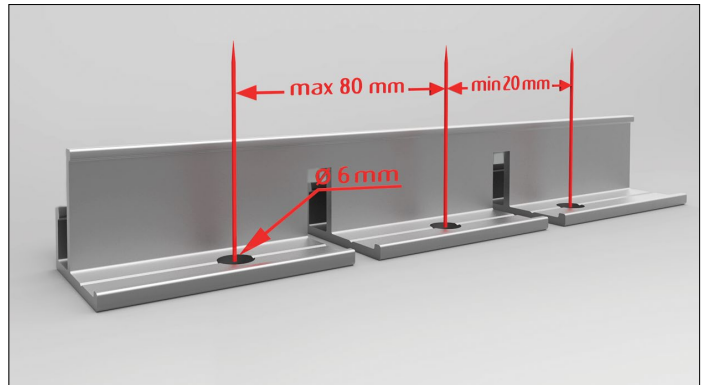


Profile is used without decoration strip for installing stretch ceilings to the ceiling and in certain cases to the wall creating the effect of the ceiling floating in the air. Anodized profile is recommended to use in the high humidity rooms. Recommended area for installation with this profile is up to 50m<sup>2</sup>. This profile visually reduces defects and irregularities of the walls by 1-2,5 mm. The ceiling benefits from extremely pure lines, without visible tracks.

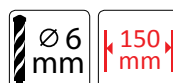
Fastening the profile to the straight line



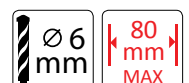
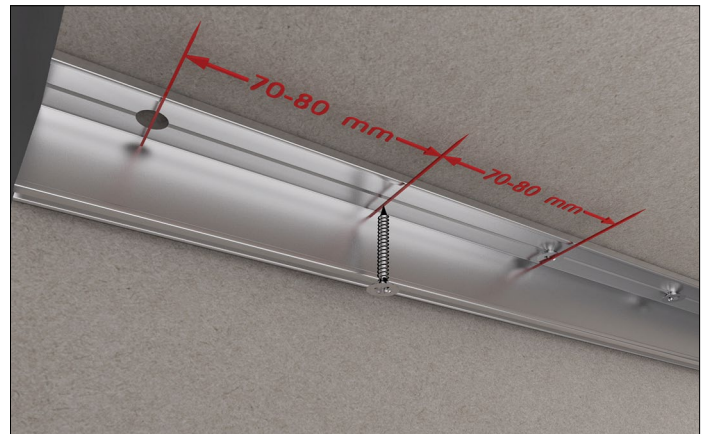
Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape



Fastening the profile to the concrete ceiling

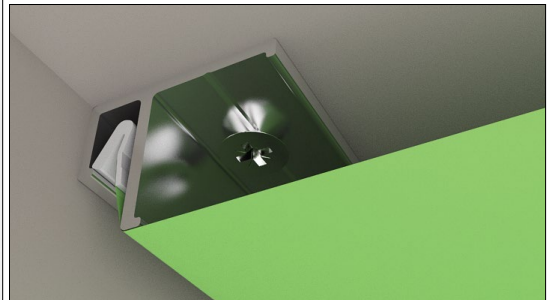
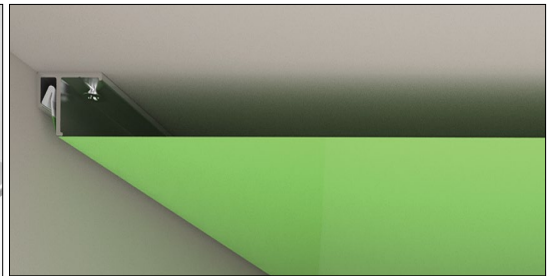
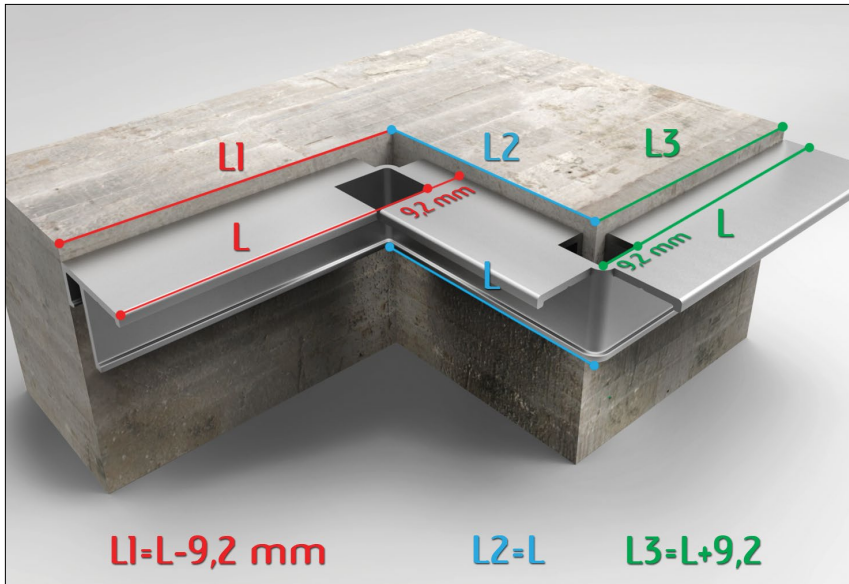
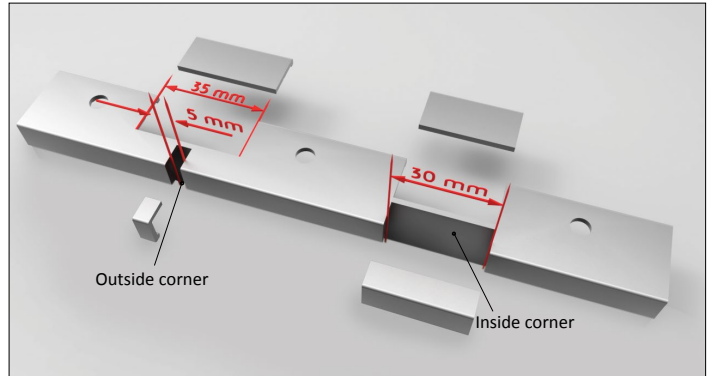
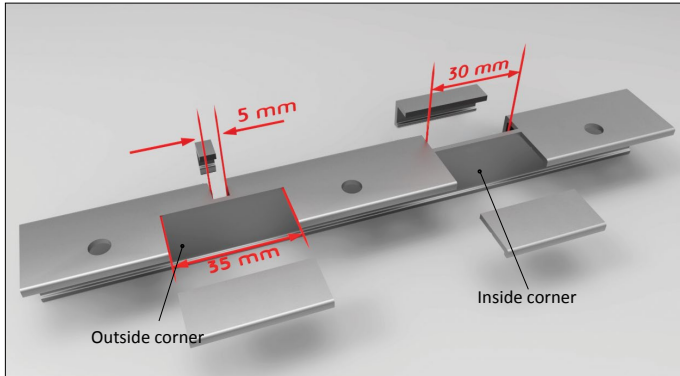


Fastening the profile to the plasterboard ceiling



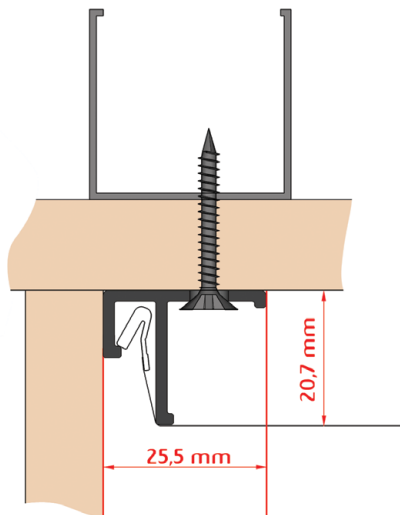


## Cutting profile corners

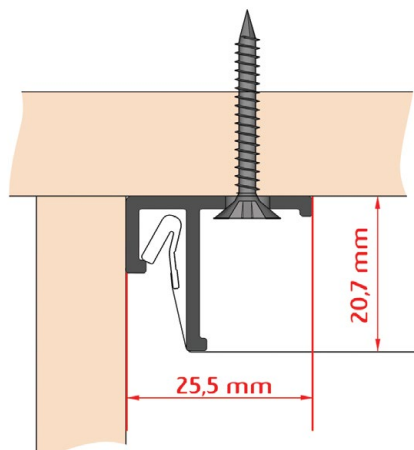


## Profile installation

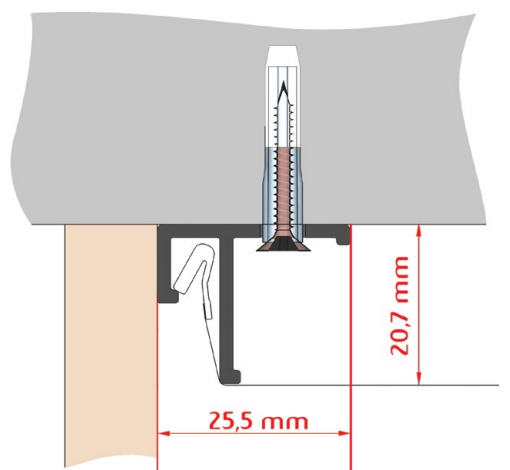
Fastening the profile to the metal framework and plasterboard



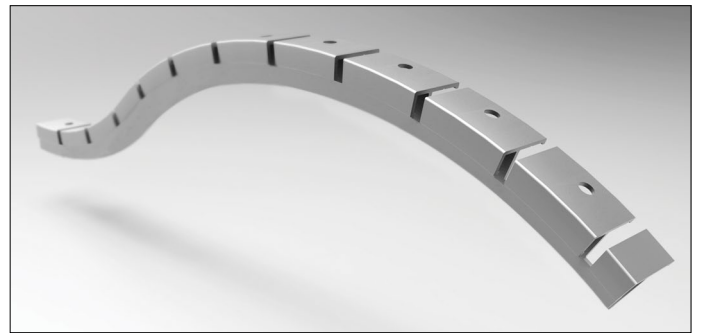
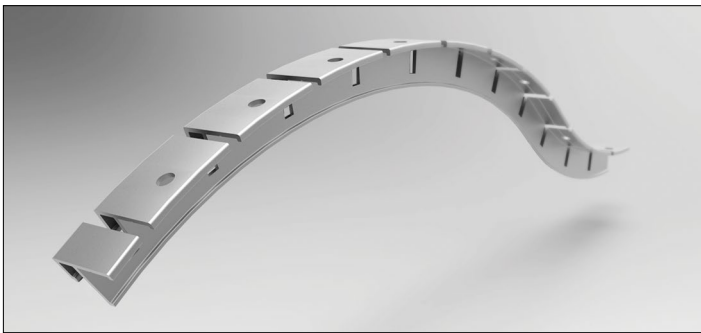
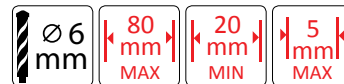
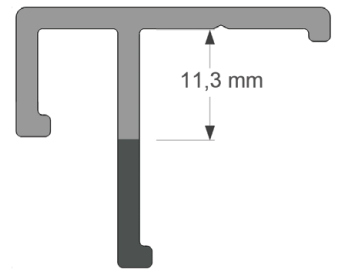
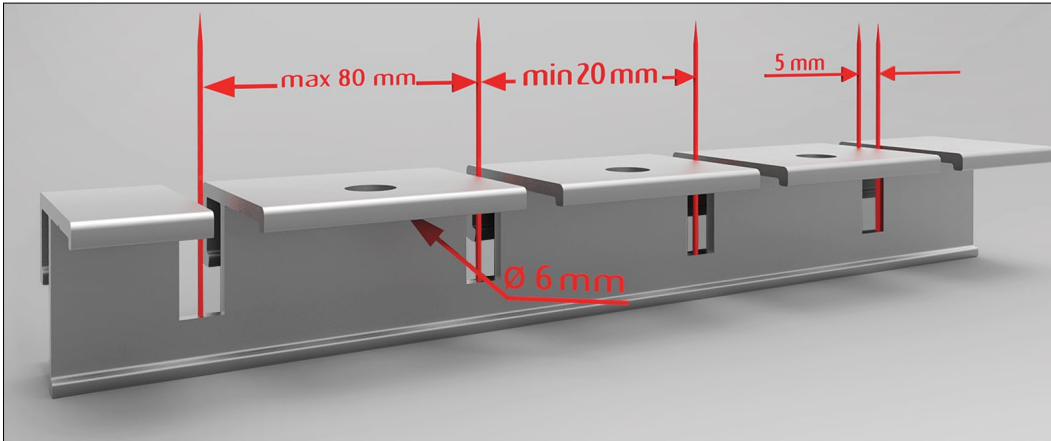
Fastening the profile to the hollow plasterboard construction without reinforcement



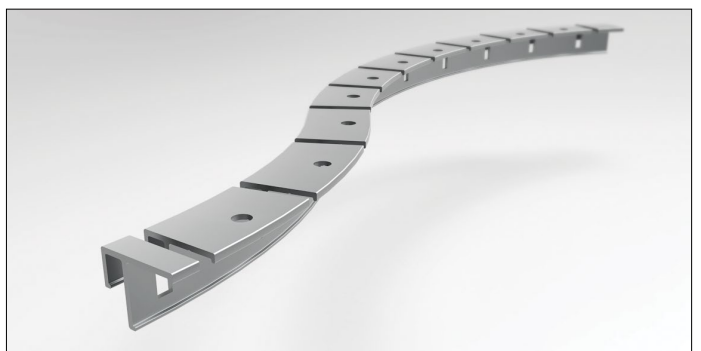
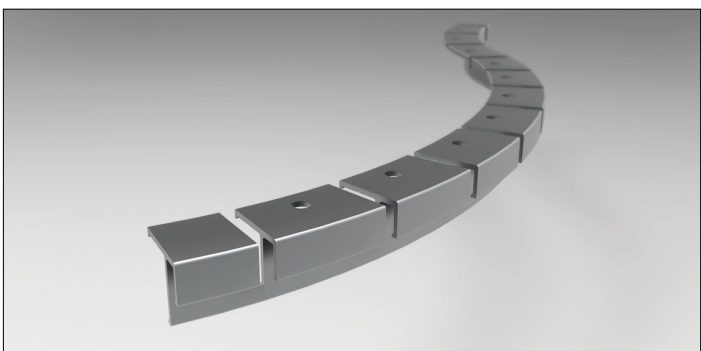
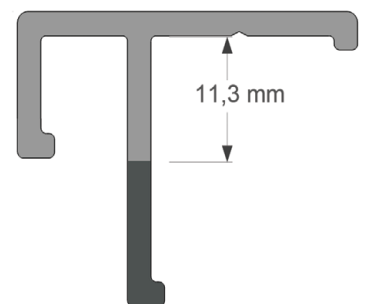
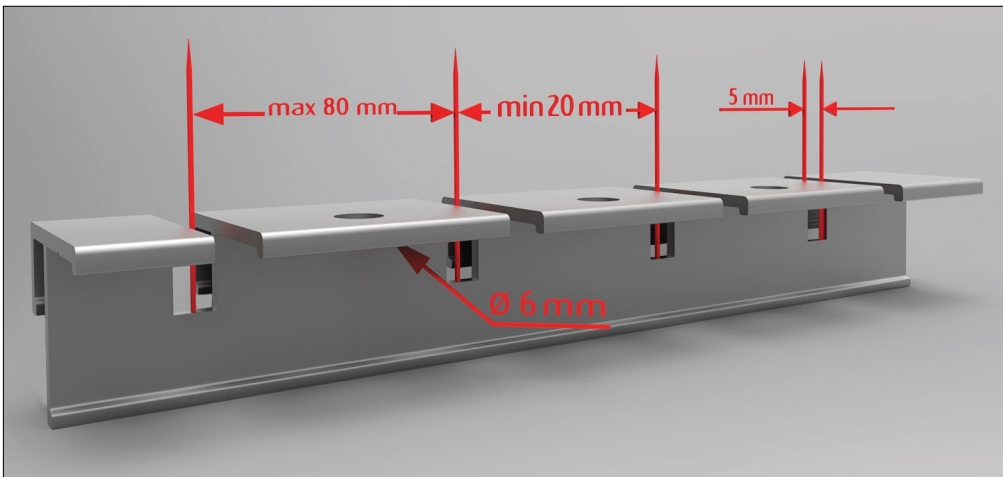
Fastening the profile to the concrete and brick walls



Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape vertically

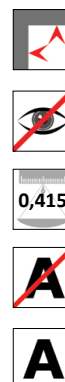
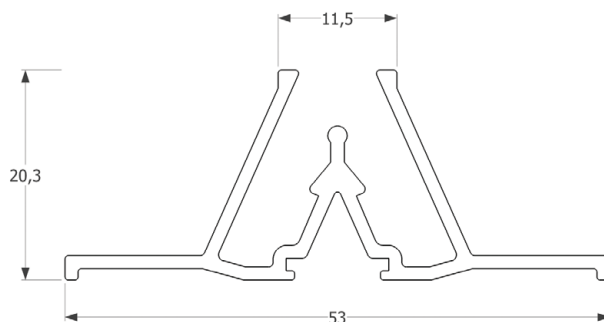


Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape horizontally



## AL 03

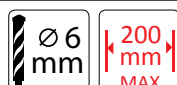
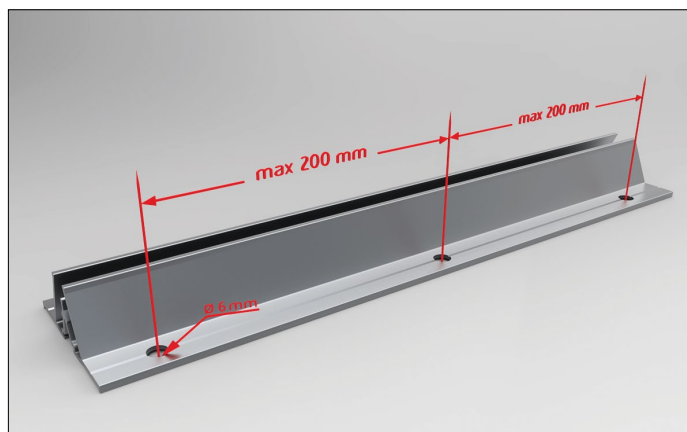
Aluminum separator 53x20



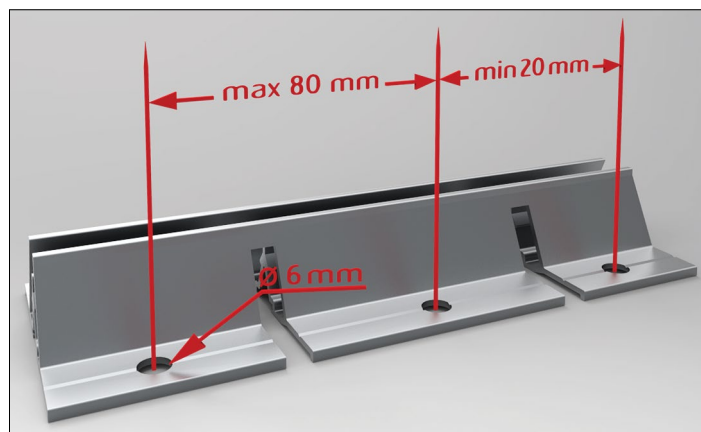
Profile is used for installing stretch ceiling to the wall and ceiling. Used to divide the grand areas of the ceiling to the segments, and for the two level ceilings. Recommended area for installation with this profile is up to 50 m<sup>2</sup>.

**Using the profile as a ceiling divisor:** Ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another roll for the order. Multiple ceilings in the same room must be ordered together.

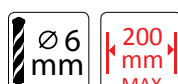
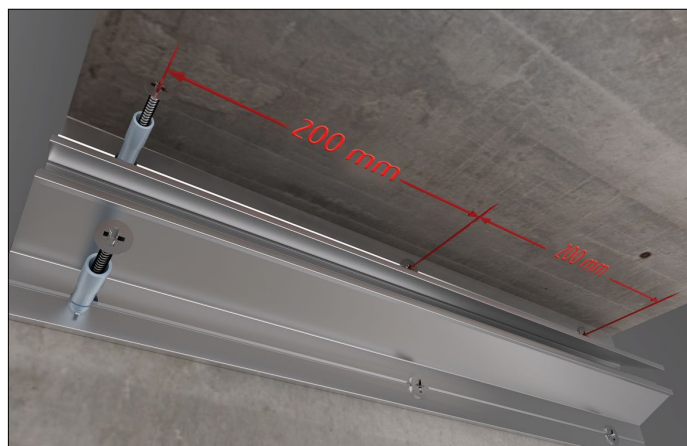
### Fastening the profile to the straight lined surface



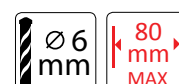
### Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape



### Fastening the profile to the concrete wall or ceiling

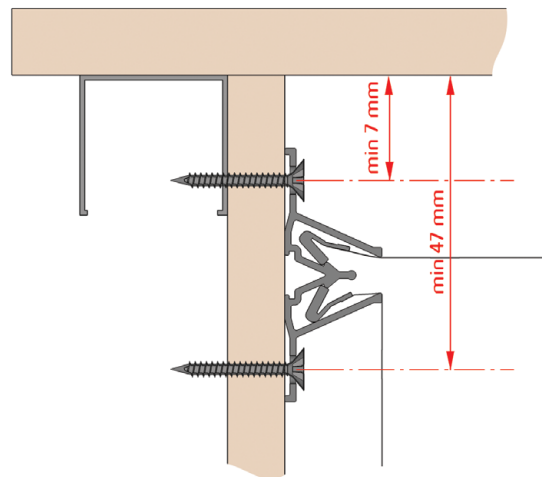
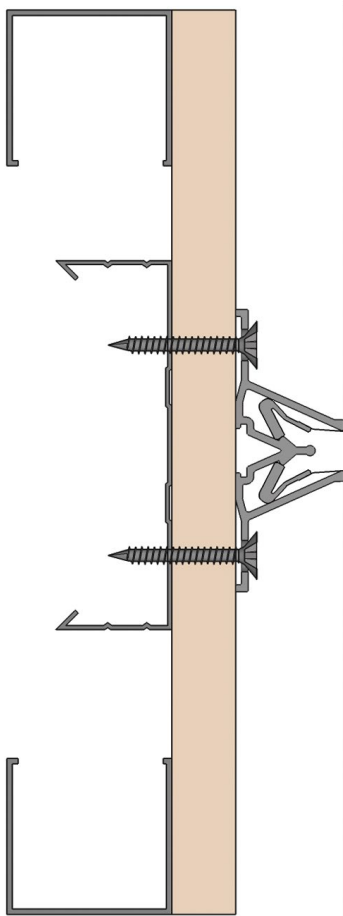


### Fastening the profile to the plasterboard wall or ceiling

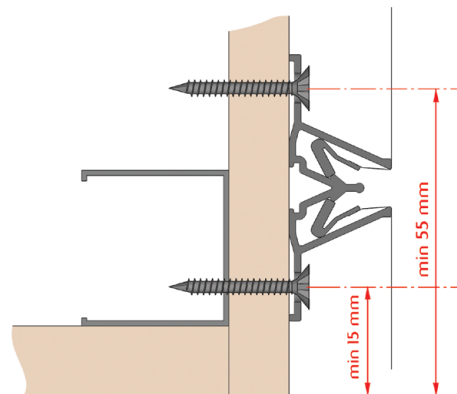




### Fastening the profile to the metal framework and plasterboard



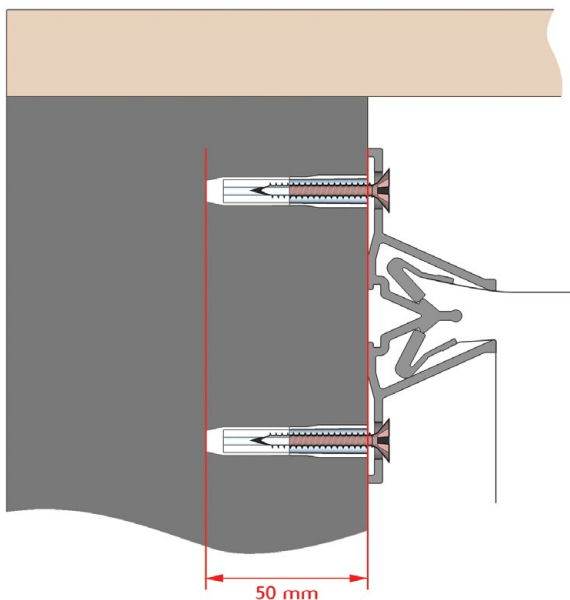
Cross-section of fastening the profile



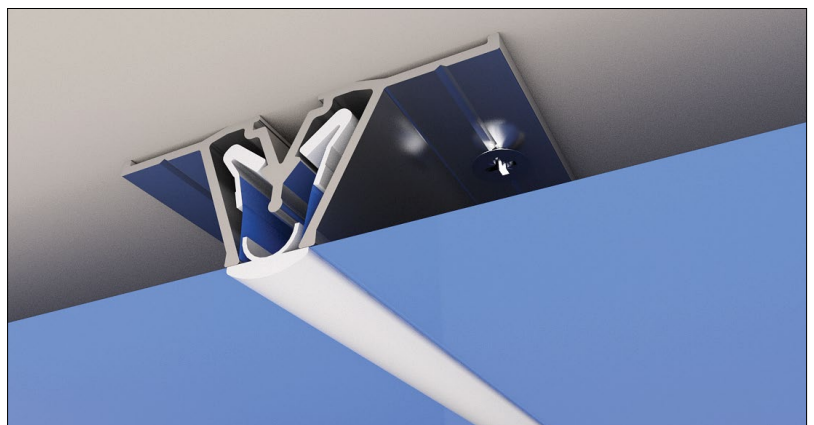
Cross-section of fastening the profile

In case of fixing the profile to the edge, the height of the decoration strip should be considered. Minimal space between the edge and the axle of fixation – 30 mm

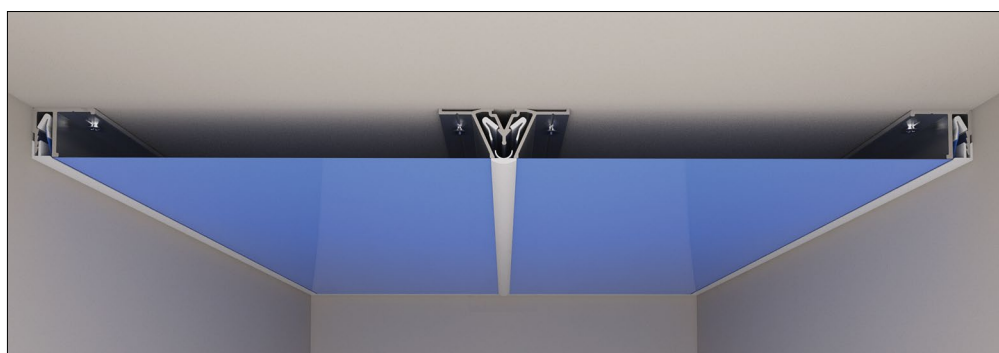
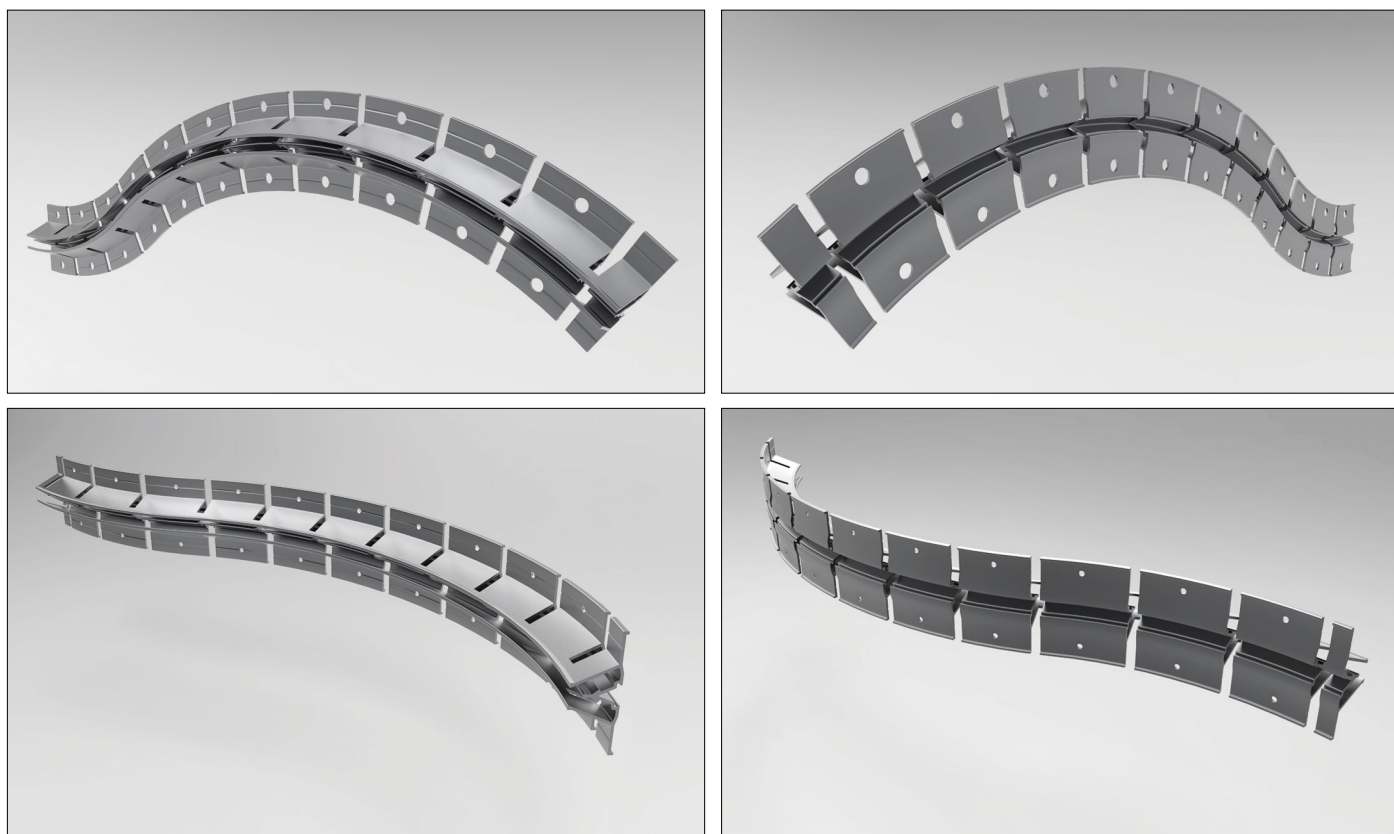
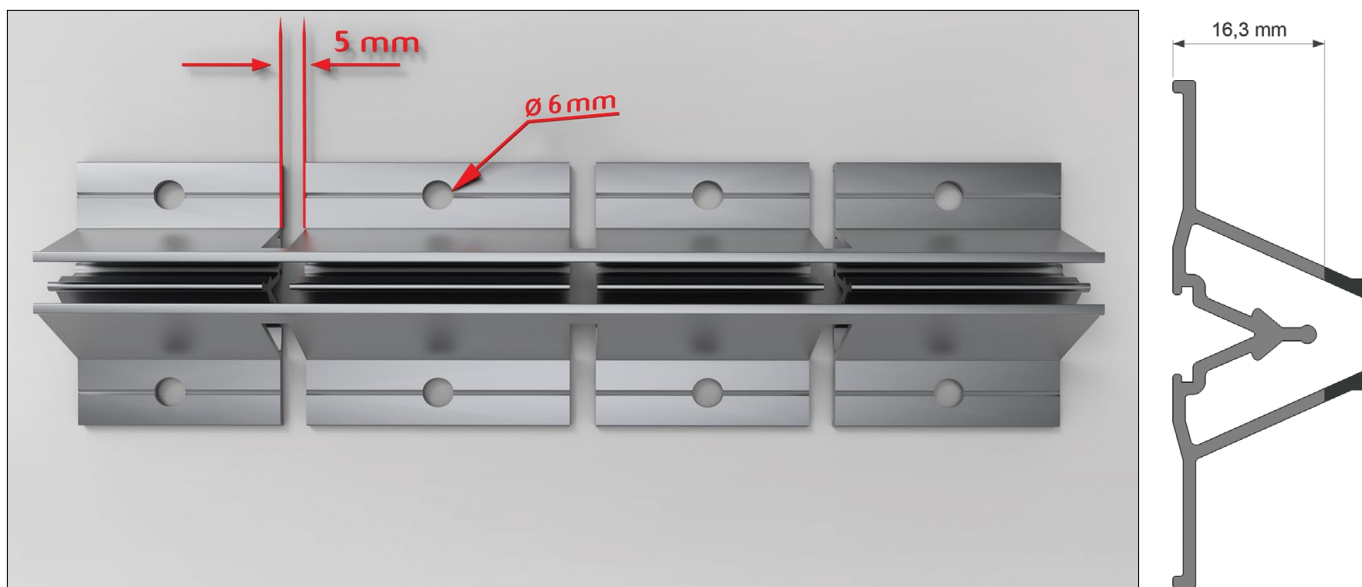
### Fastening the profile to the concrete and brick walls



### Decoration strip PC 04W in usage

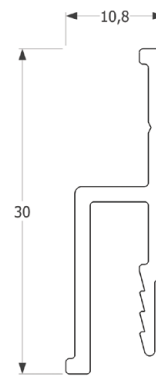


Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape vertically and horizontally



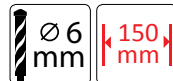
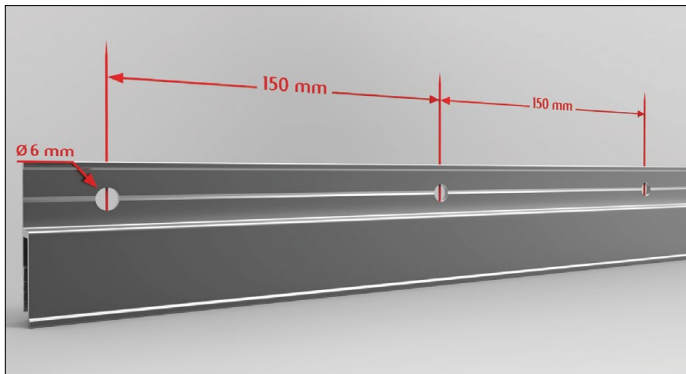
# AL 04

Aluminum wall profile 34x11 used with decoration strip

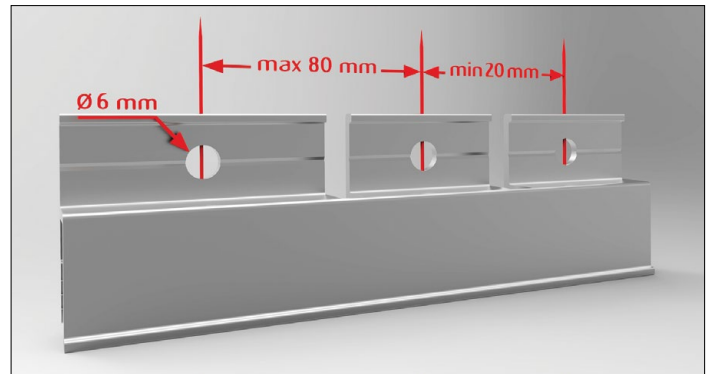


Profile is used with decoration strip for installing stretch ceilings to the wall.  
Recommended area for installation with this profile is up to 50m<sup>2</sup>.

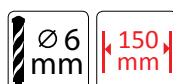
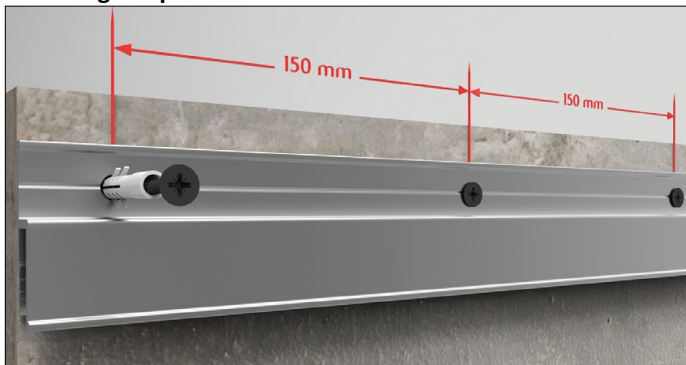
## Fastening the profile to the straight surface



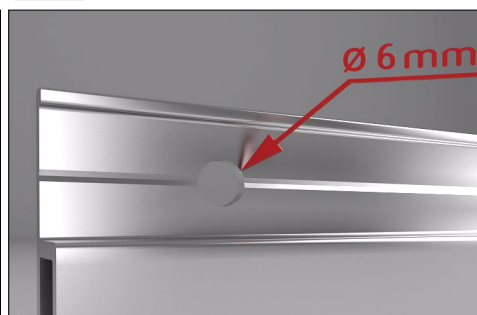
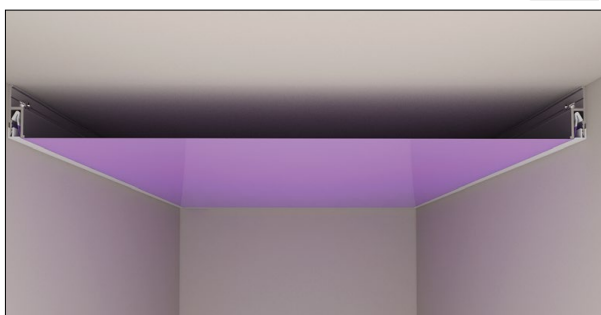
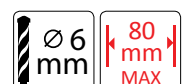
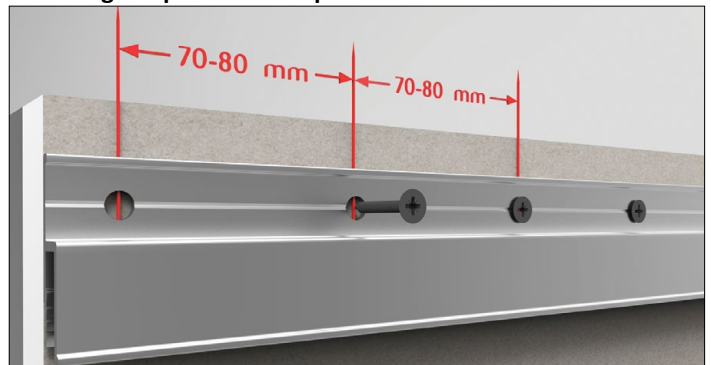
Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape



## Fastening the profile to the concrete wall



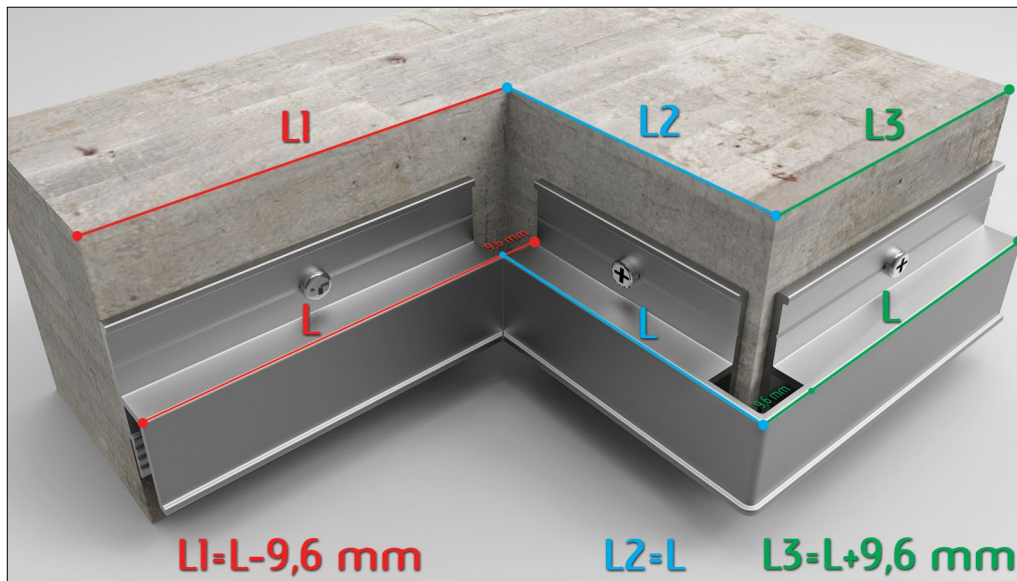
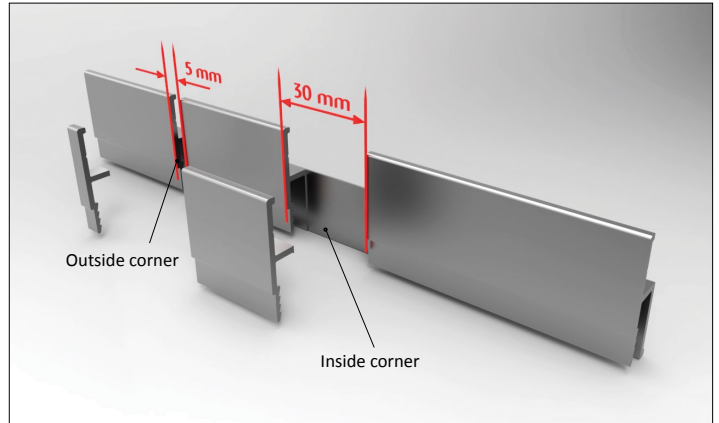
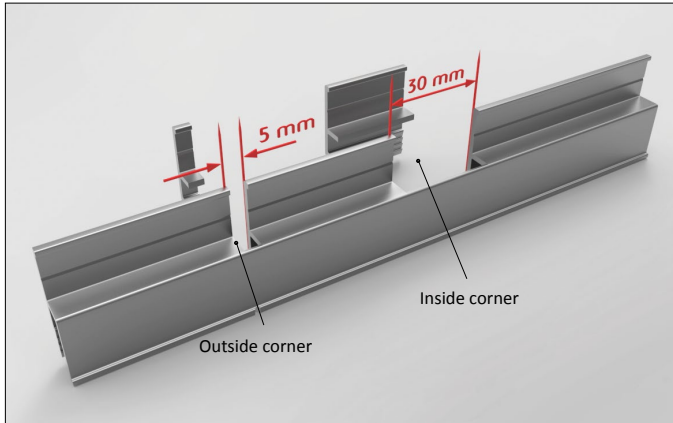
## Fastening the profile to the plasterboard wall



Used with decoration strip  
PC 03W

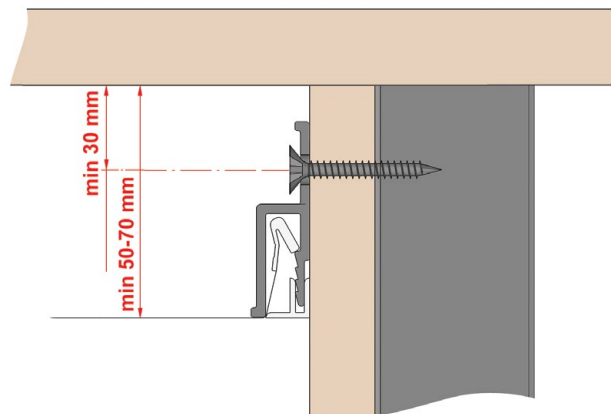


## Cutting profile corners

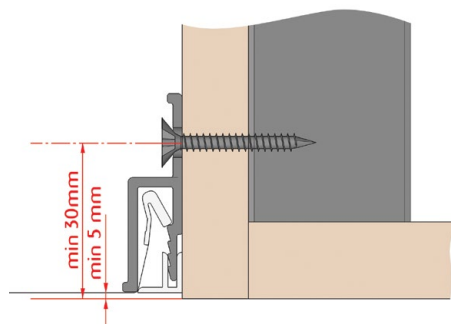


## Fastening the profile to the metal framework and plasterboard

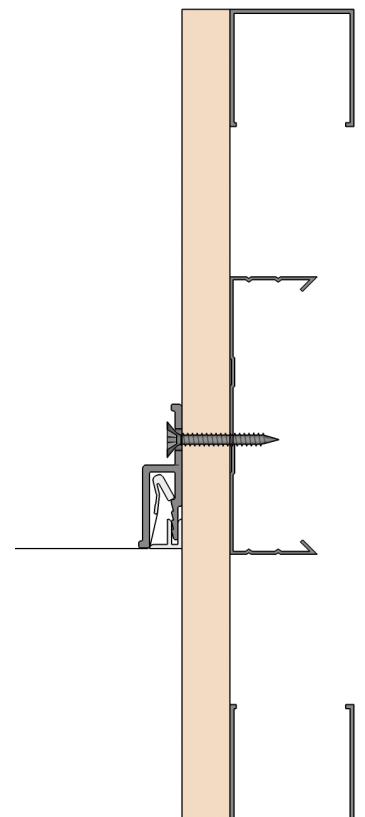
Cross-section of fastening the profile



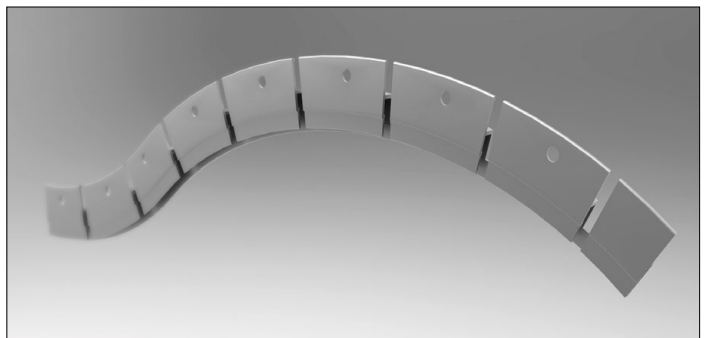
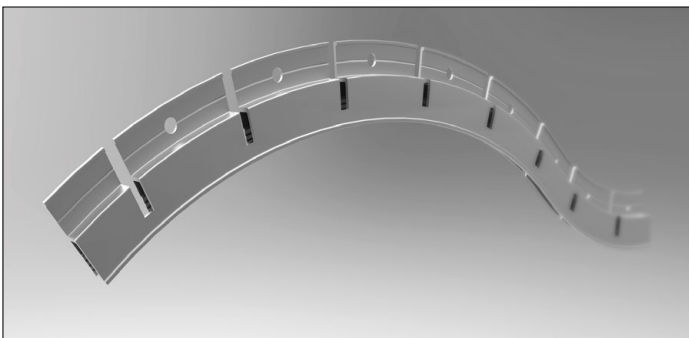
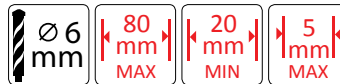
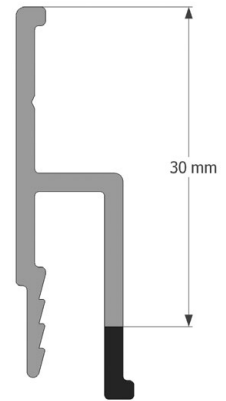
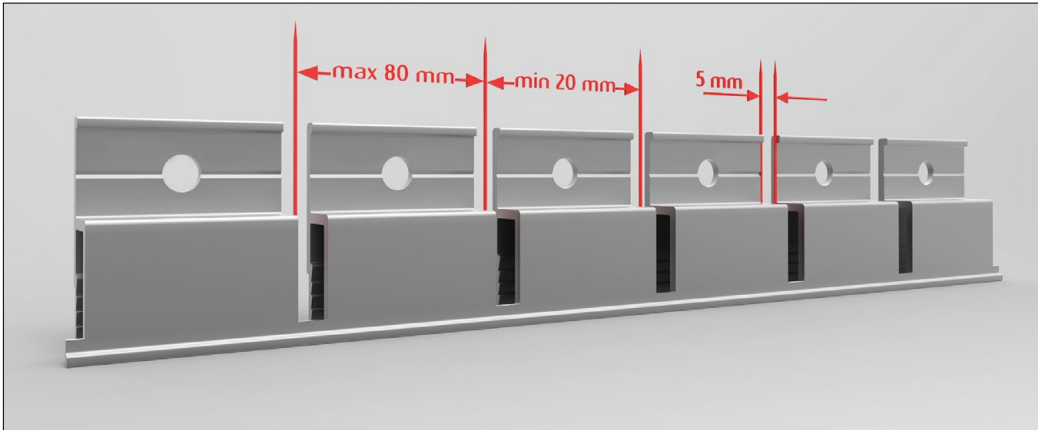
Cross-section of fastening the profile



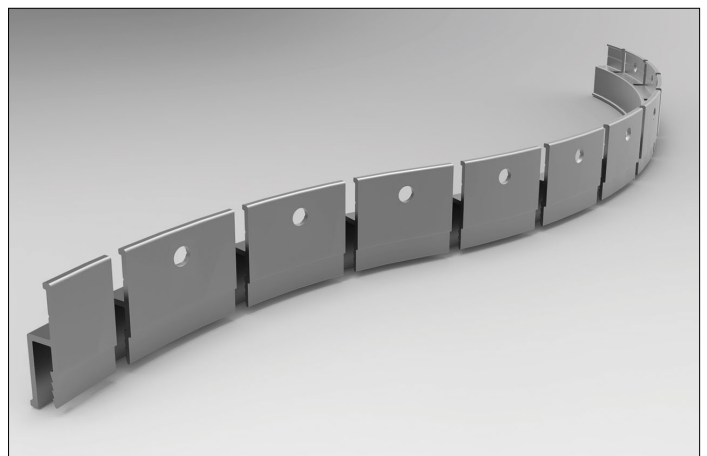
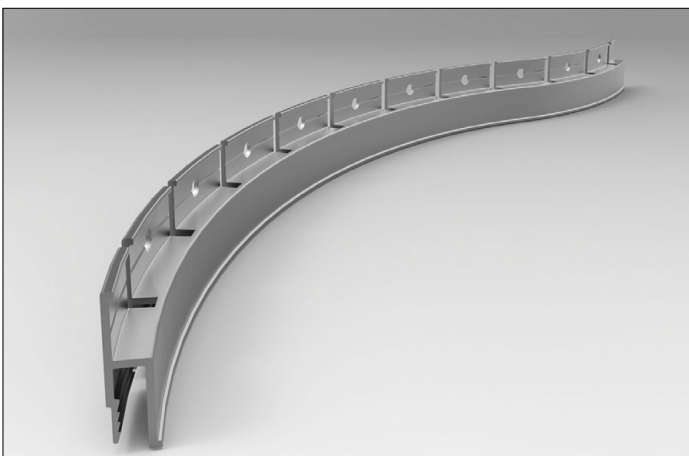
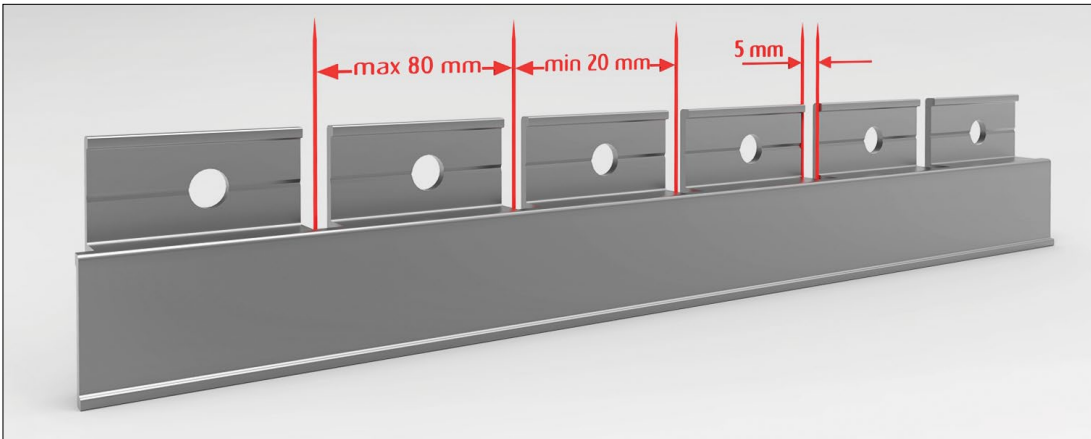
In case of fixing the profile to the edge, the height of the decoration strip should be considered. Minimal space between the edge and the axle of fixation – 30 mm



Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape vertically

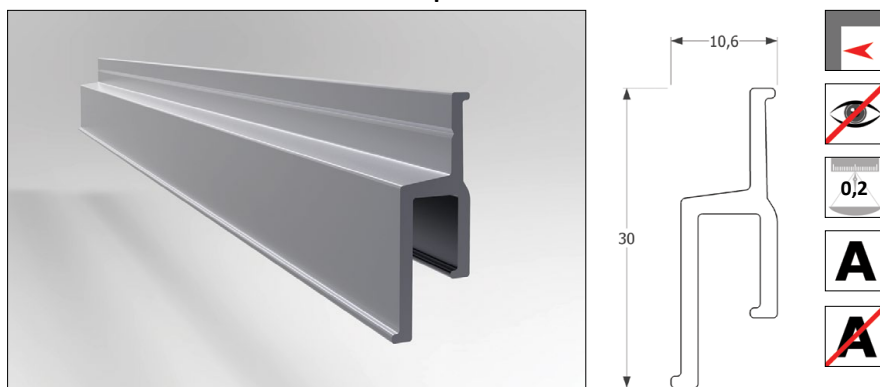


Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape horizontally



## AL 05

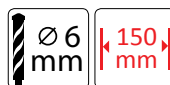
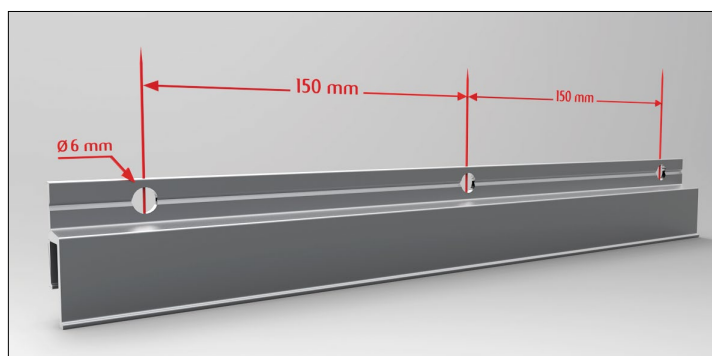
Aluminum wall profile 30x11 used without decoration strip



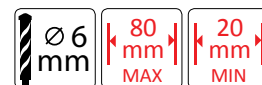
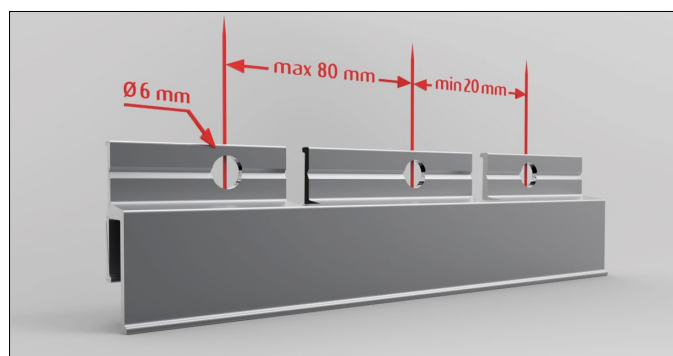
Profile is used without decoration strip for installing stretch ceiling to the wall. Recommended area with this profile is up to 50 m<sup>2</sup>. Given profile visually reduces the defects and irregularities of the walls by 1-2,5 mm.

The ceiling benefits from extremely pure lines, without visible tracks.

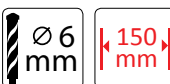
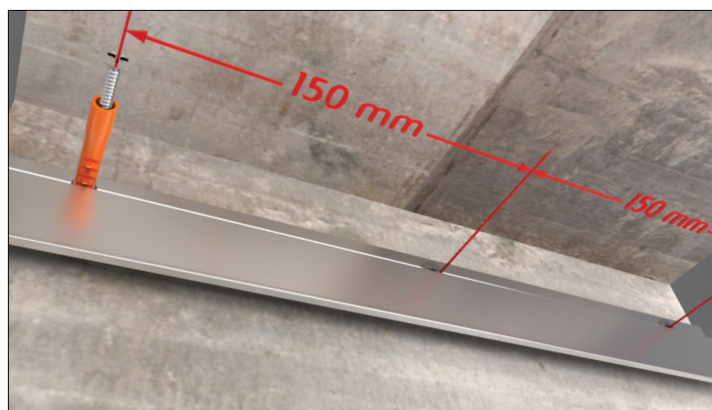
### Fastening the profile to the straight surface



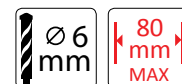
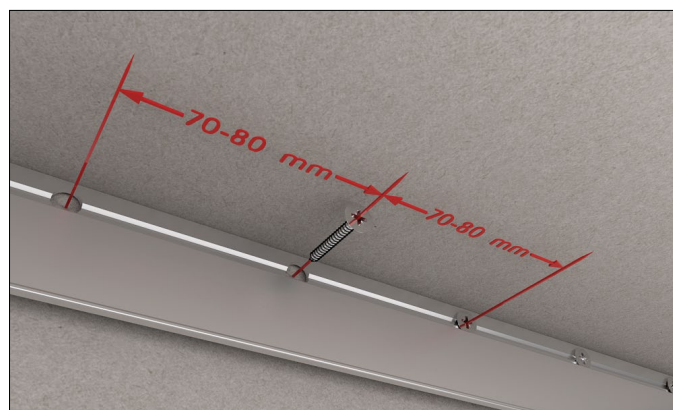
### Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape



### Fastening the profile to the concrete wall

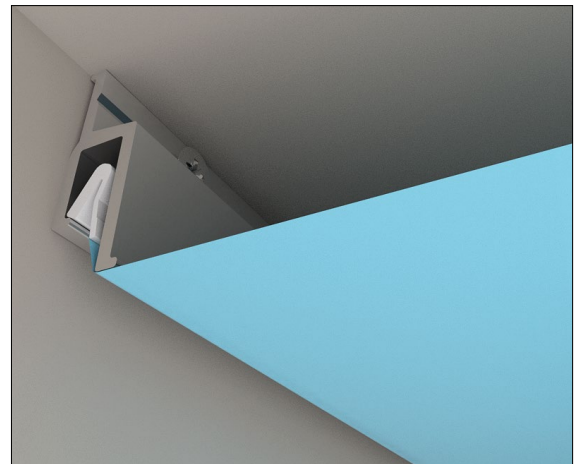
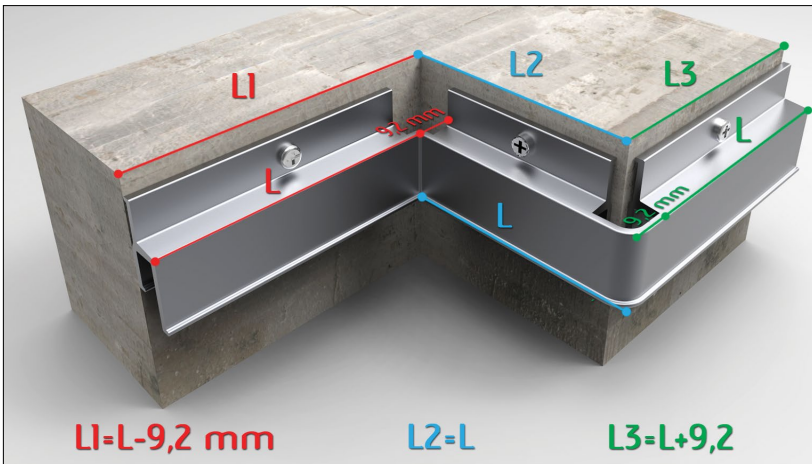
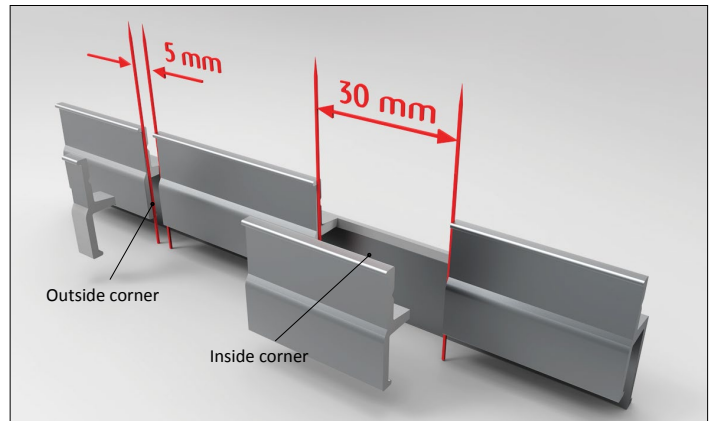
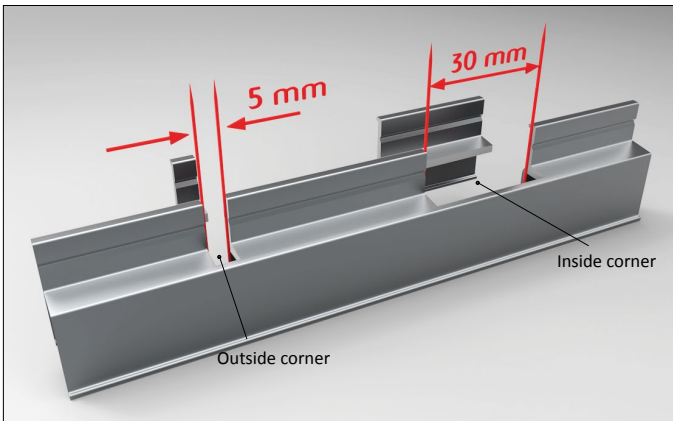


### Fastening the profile to the plasterboard wall

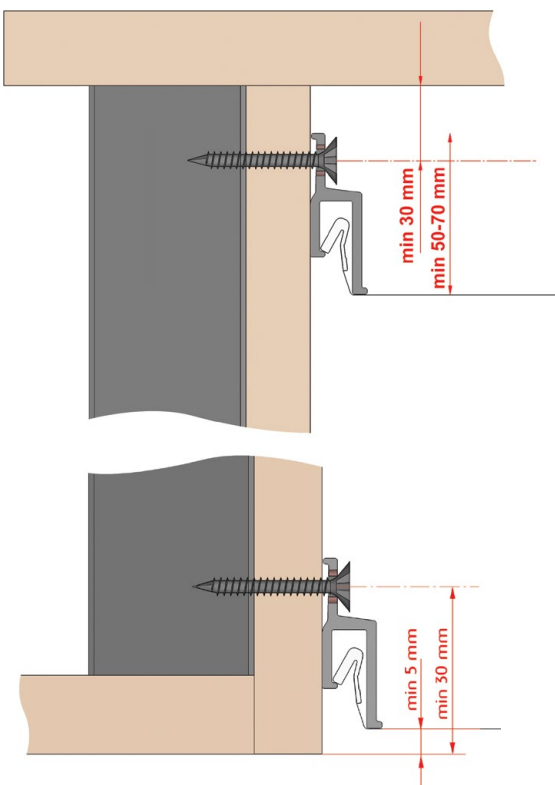




## Cutting profile corners



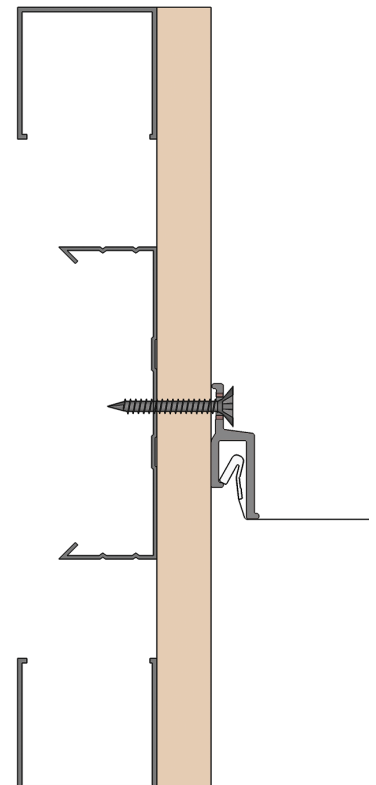
## Fastening the profile to the metal framework and plasterboard



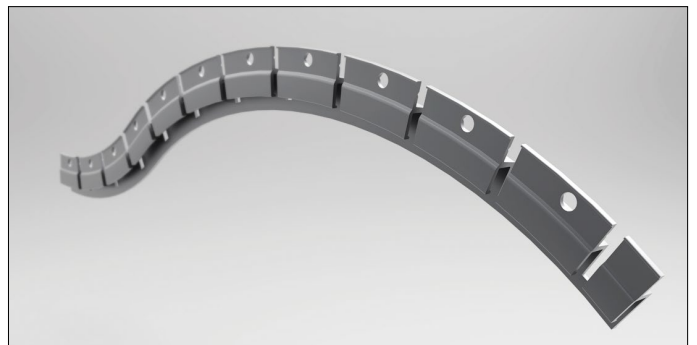
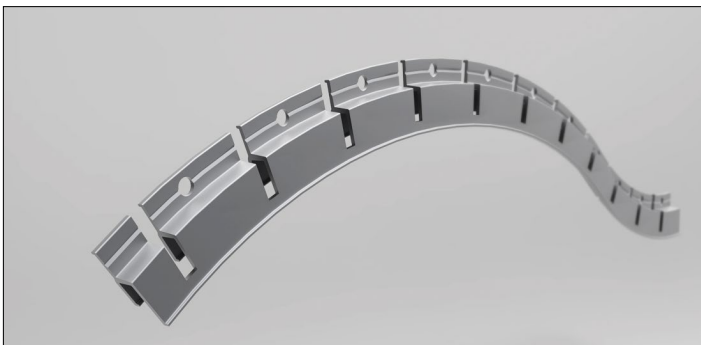
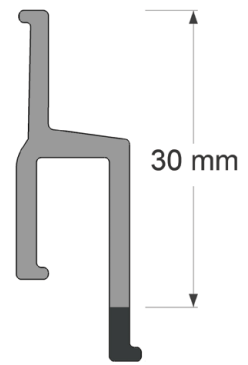
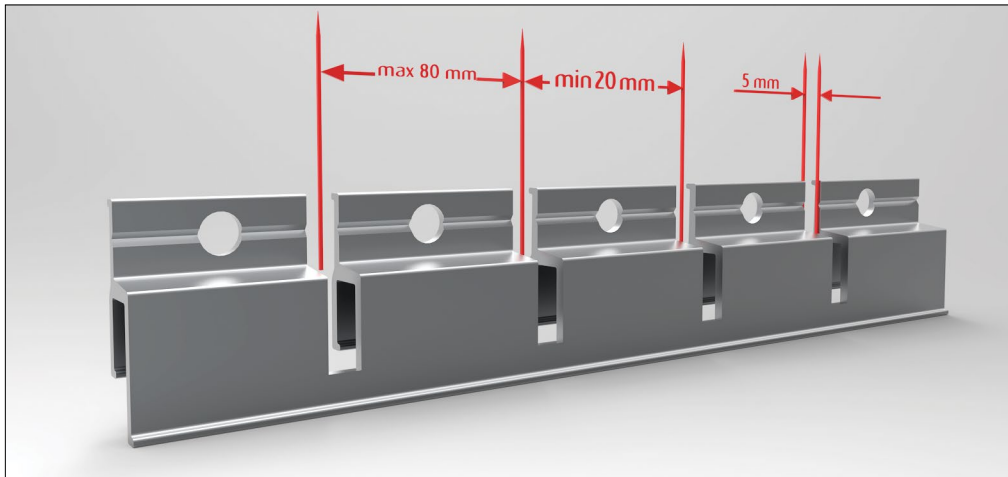
Cross-section of fastening the profile

In case of fixing the profile to the edge. Minimal space between the edge and the axle of fixation – 30 mm

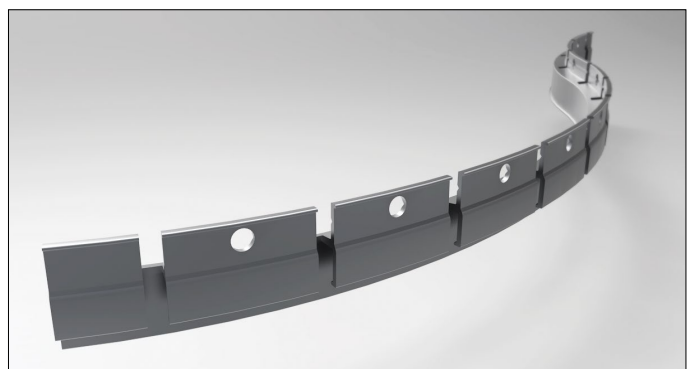
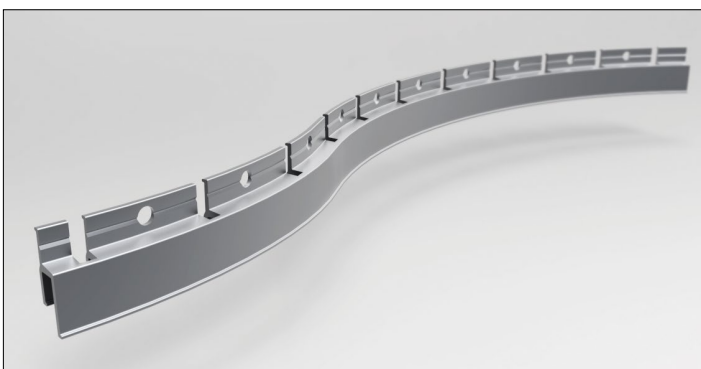
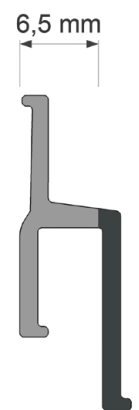
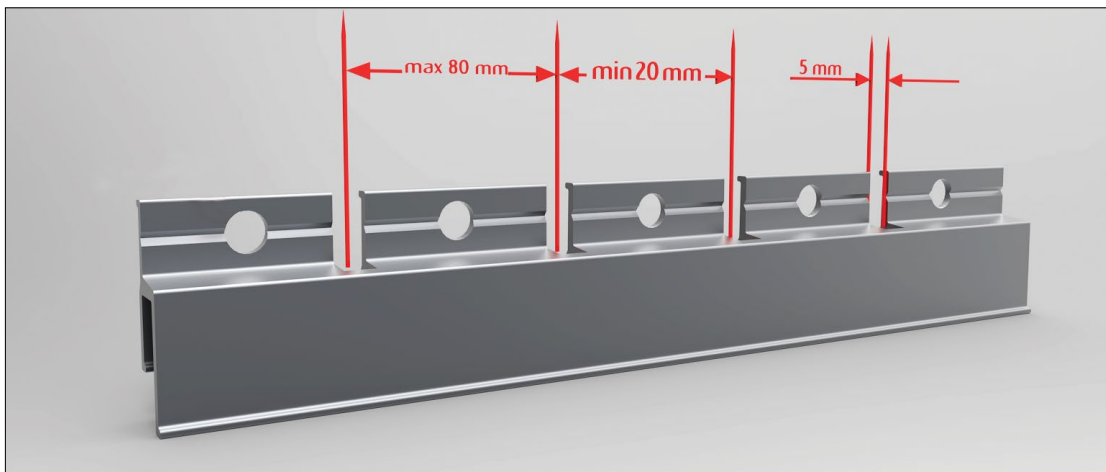
Cross-section of fastening the profile



Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape vertically

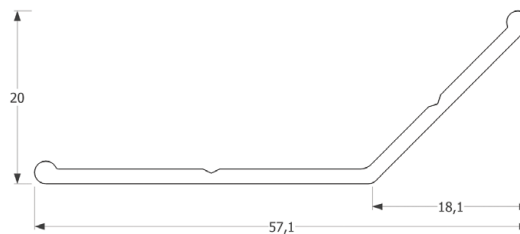
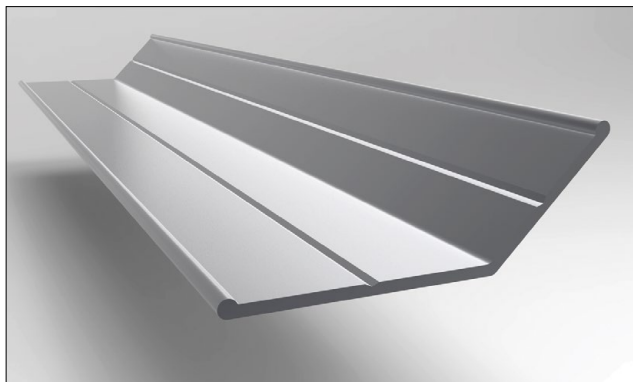


Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape horizontally

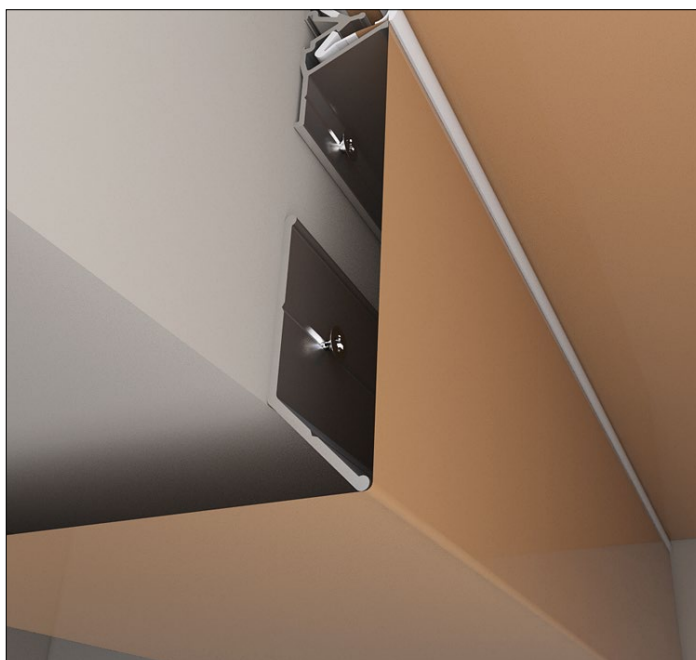
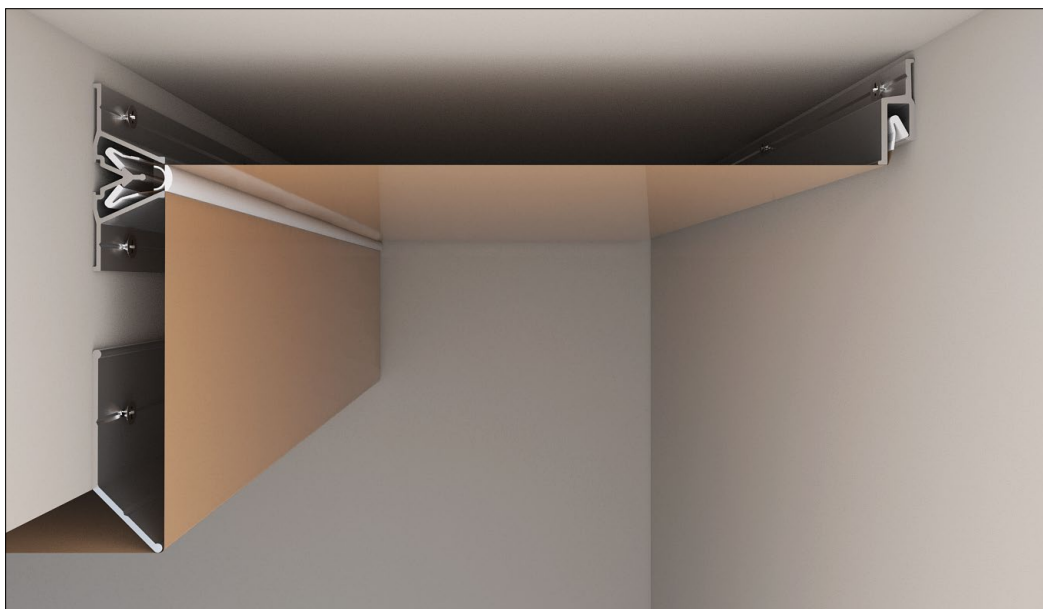


# AL 06 A

Aluminum profile 20x57 for installation of the second level



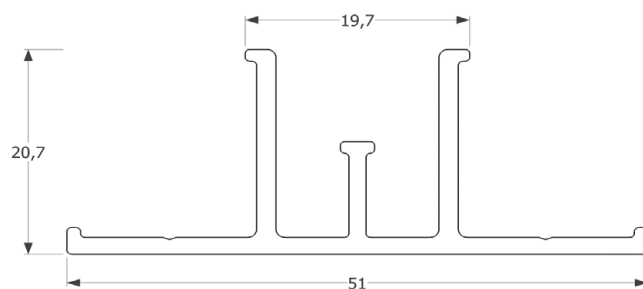
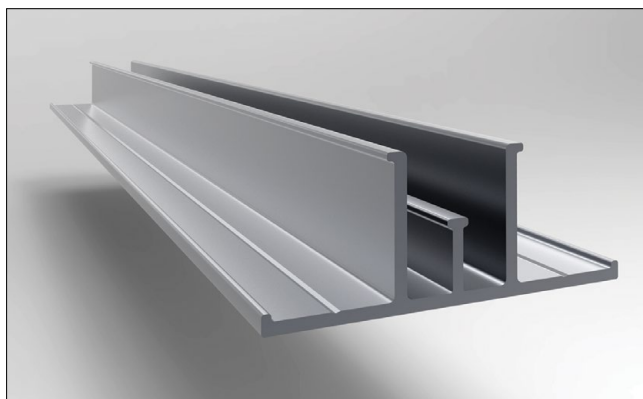
Profile is used for creation of the rectilinear 3D shapes. Easily connected with the profiles AL01; AL02; AL03; AL05; AL07 and AL11.





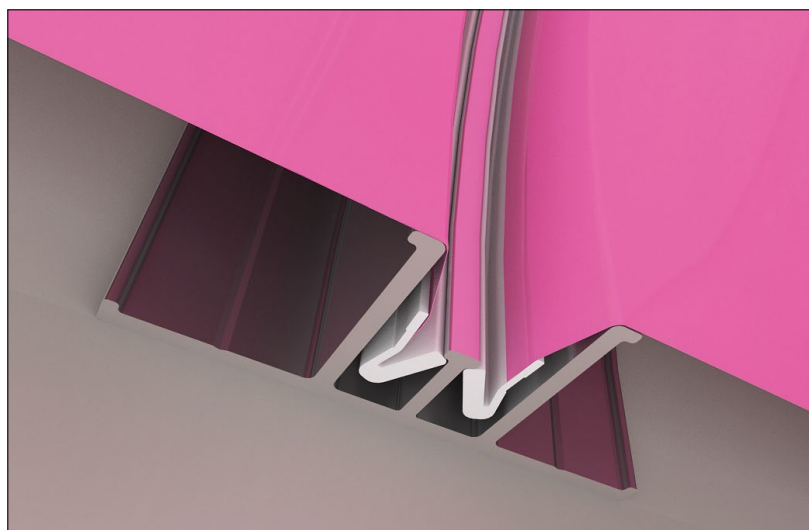
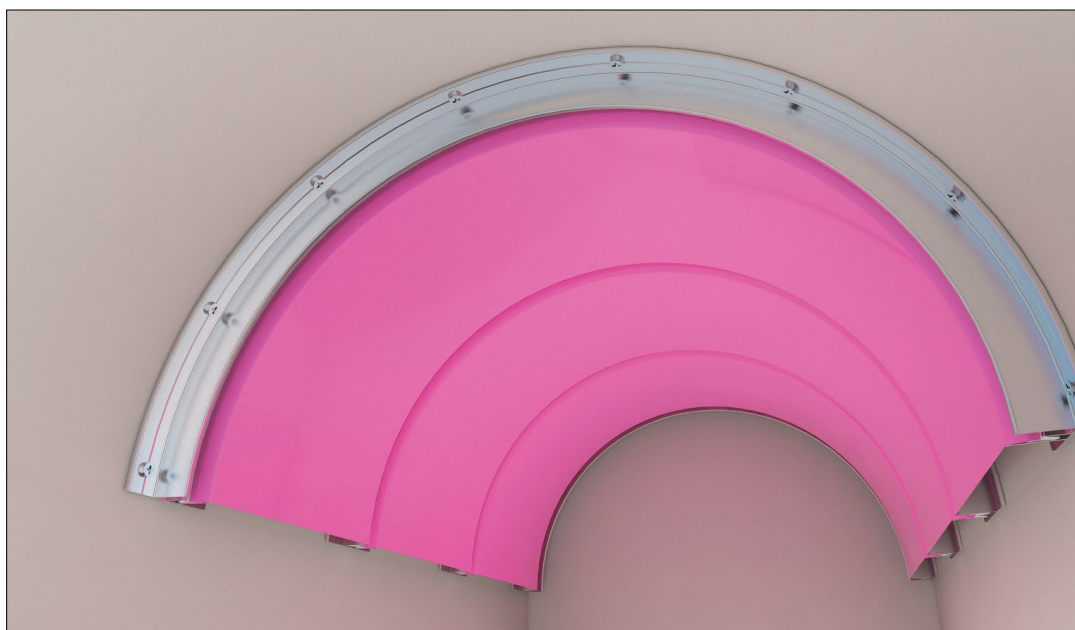
# AL 07 A

Aluminum separator 50x20 straight



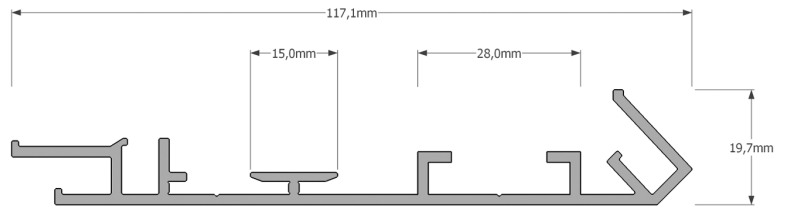
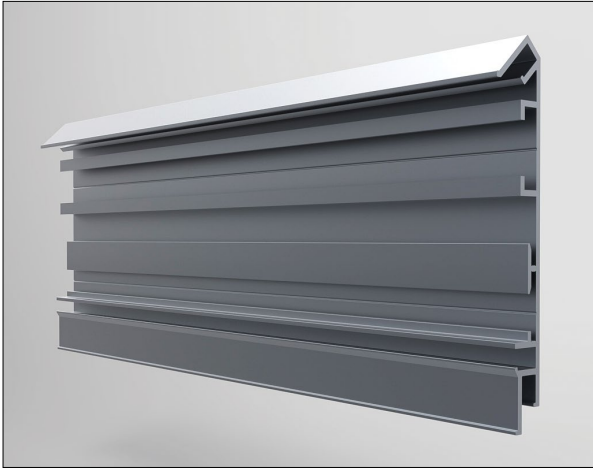
Separator is used for installing stretch ceilings to the wall or ceiling. Used for dividing grand surfaces of the ceiling to segments, and for passage to the second level, creation of the 3D shapes (arc, grotto, dome and wave). Recommended area for installation with this profile is up to 50 m<sup>2</sup>.

**Using the profile as a ceiling divider:** Ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another roll for the order. Multiple ceilings in the same room must be ordered together.

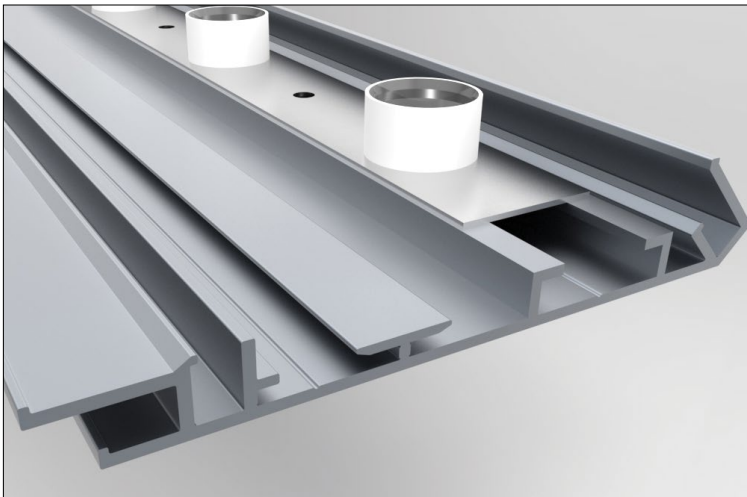


# AL 08 A

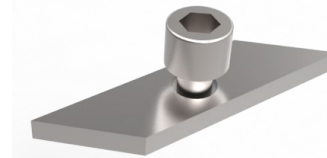
Aluminum light profile 117x20



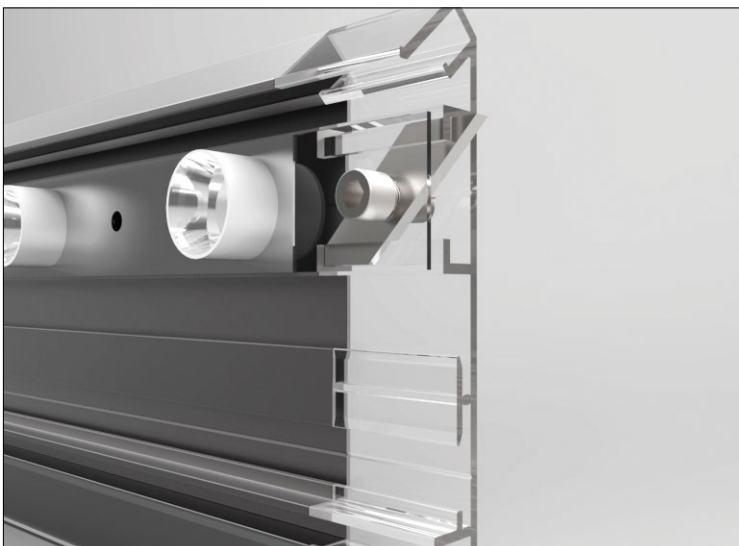
Profile is used for installing transparent stretch ceilings to the wall. Used also for creating an impression of perforated printed light stretch ceilings. The ceiling benefits from extremely pure lines, without visible tracks. The profile design enables the installation of different materials on 3 different layers.



High Power LED is fastened to the 28mm wide section, placed on optimal distance from translucent membrane to avoid shades.



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



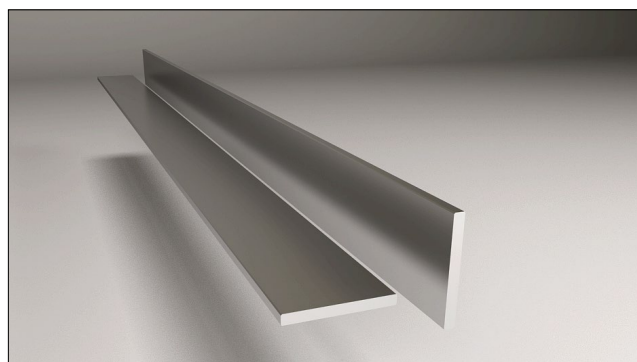
1 level - clear ceiling. Serves to prevent dust and dirt on the lower levels of the ceiling

## AL 09

Aluminum bar 20x2 for connection of profile

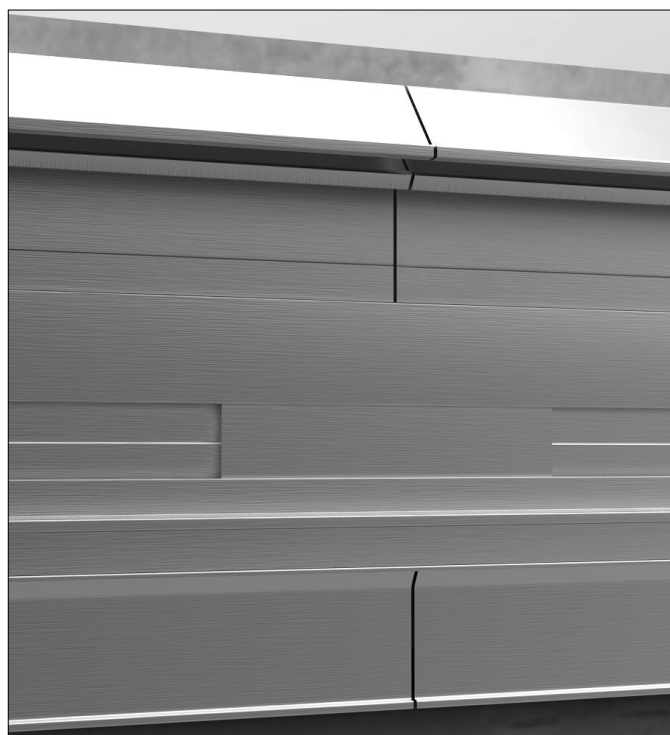
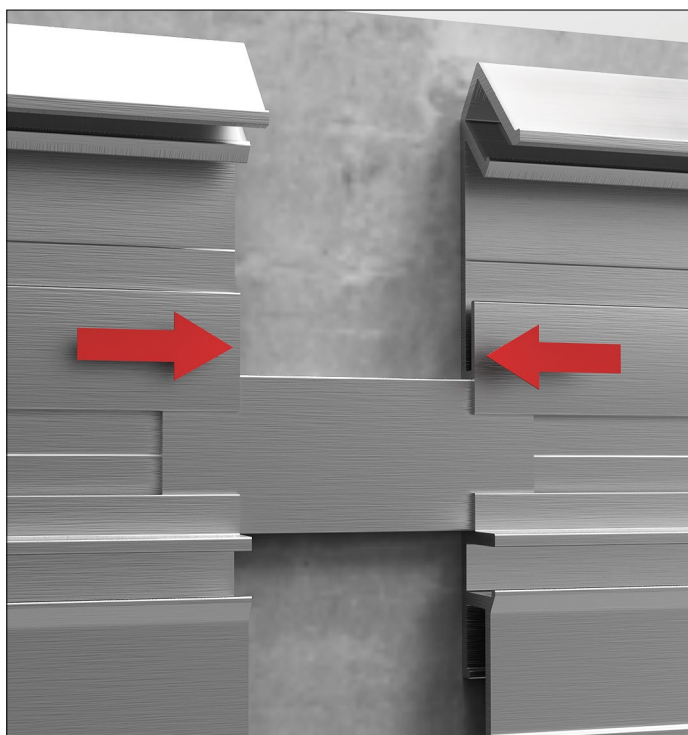


\* - 10 cm pcs



Used to connect and align profiles AL 08 A and AL 12.

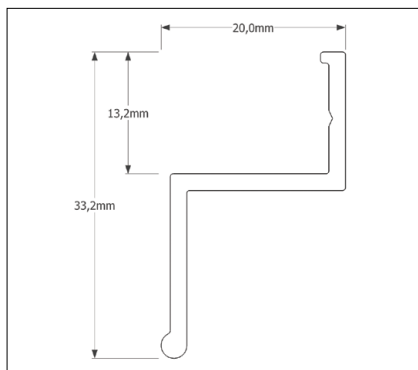
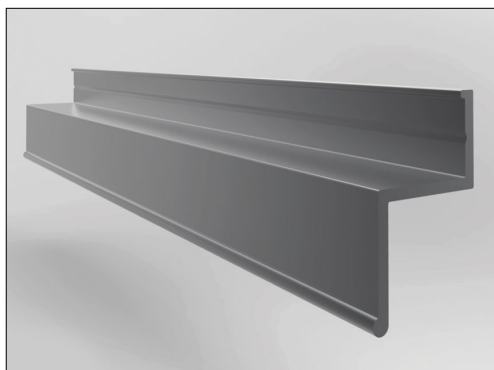
Aluminum bar 20x2 for connection of profile AL 08-A





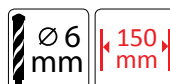
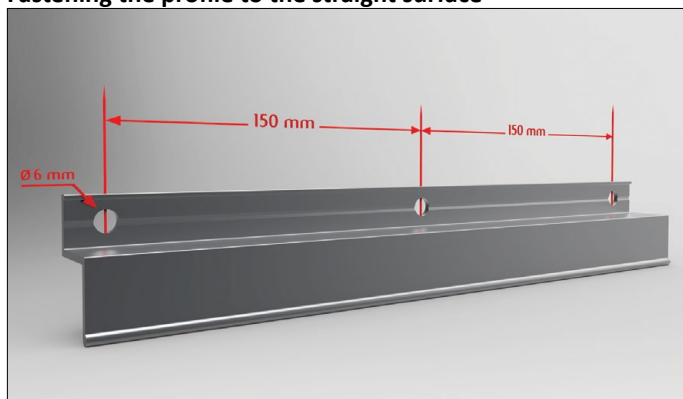
# AL 10 A

Aluminum profile 20x33 for installation of the second level

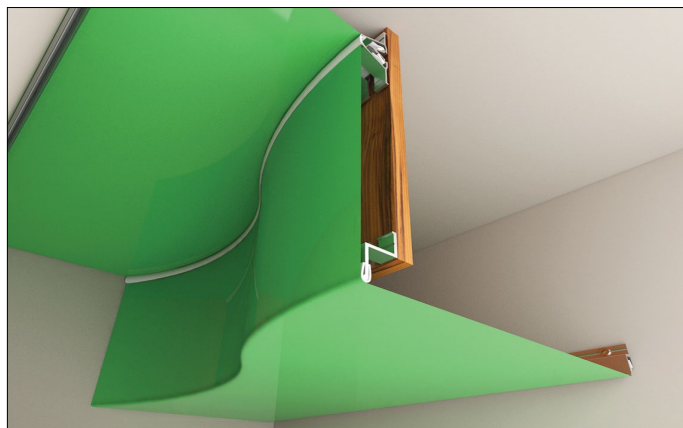
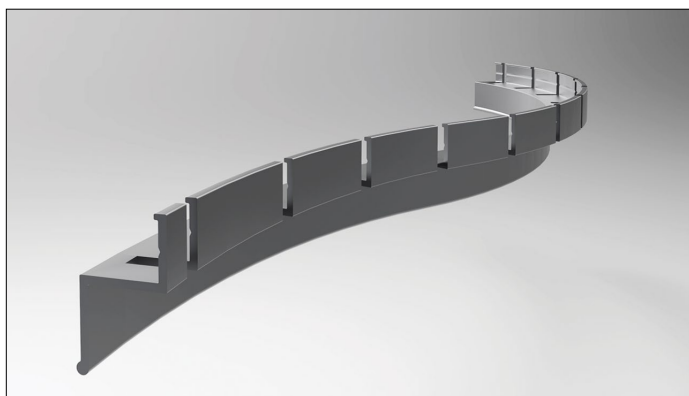
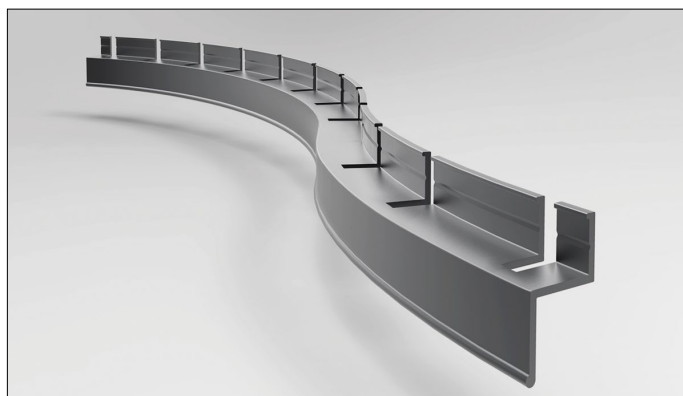
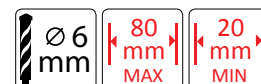
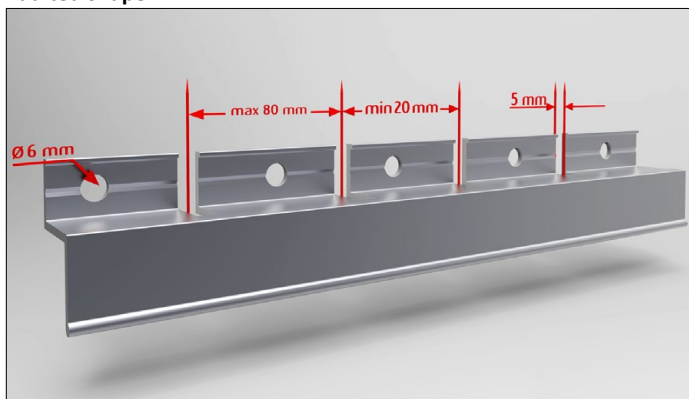


Profile is used for creating curved 3D shapes in horizontal space. Easily connected with profiles AL01, AL02, AL03, AL05, AL07, and AL 11

## Fastening the profile to the straight surface

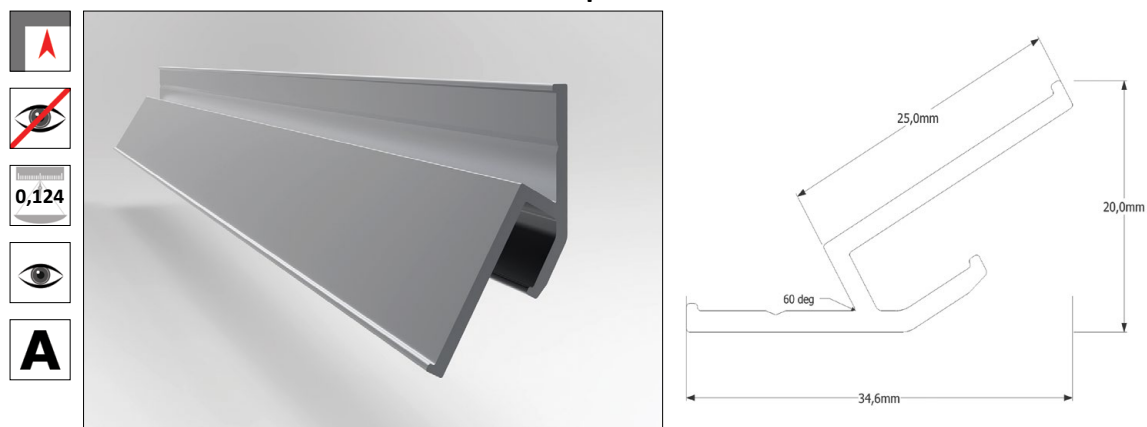


## Pre-notched in the factory for easy adaptation on site to rounded and vaulted shape



# AL 11

## Aluminum separator 35x20



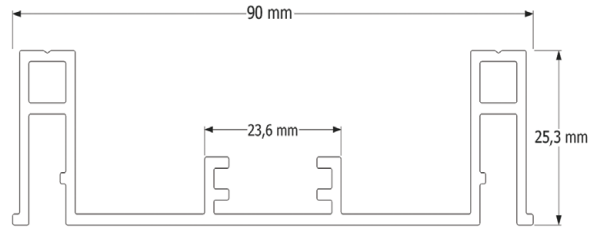
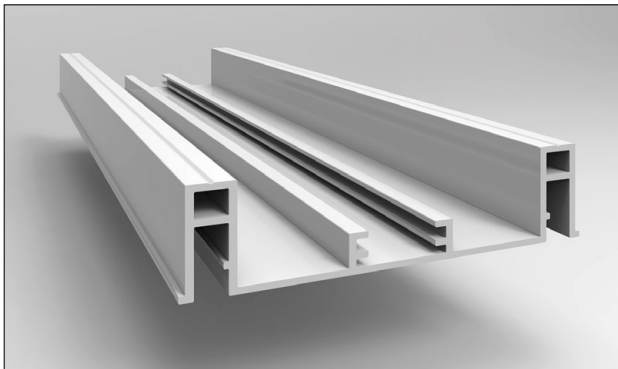
Construction is used for connecting PVC film, on the outer angle of 90 degrees. Can be used as separator.

**Using the profile as a ceiling divisor: Ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another roll for the order. Multiple ceilings in the same room must be ordered together.**



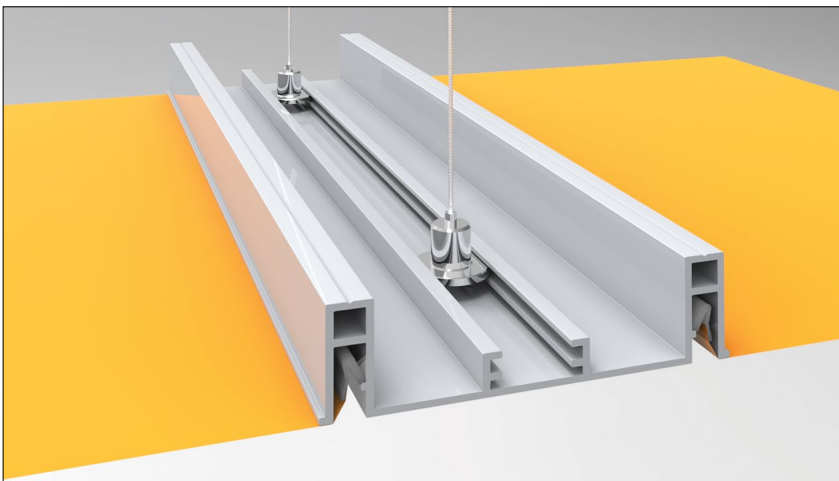
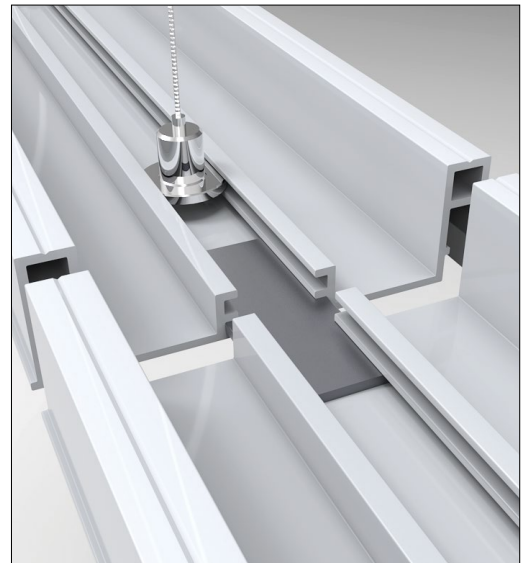
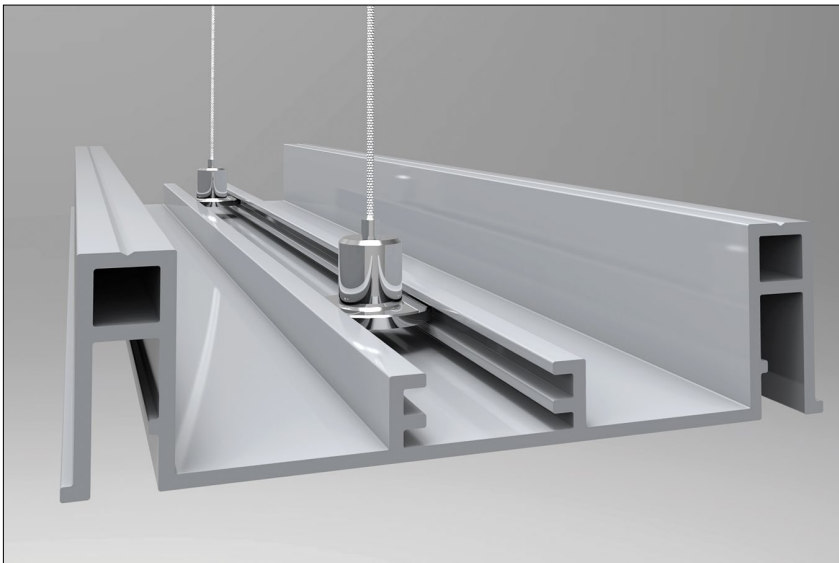
# AL 12

## Aluminum light profile 89x20



Profile is used for installing stretch ceilings, used for the ceiling with cables. Used for division of the grand areas of the ceiling to segments, and installing lighting units (lamps, fire detectors and etc). Recommended surface for the installation with this profile is up to 50 m<sup>2</sup>.

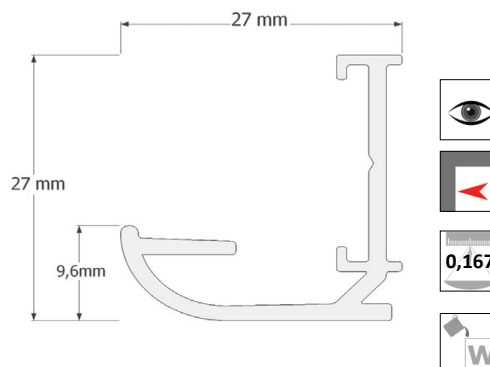
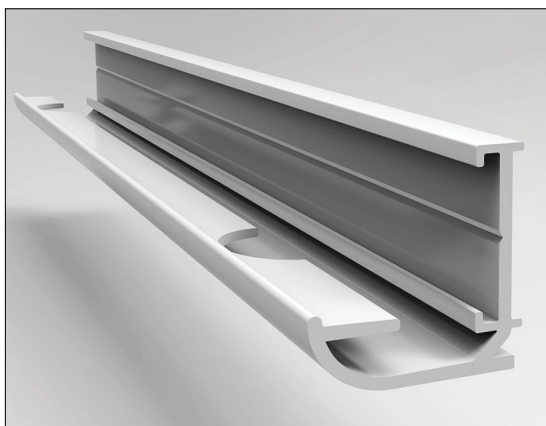
**Using the profile as a ceiling divider: Ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another roll for the order. Multiple ceilings in the same room must be ordered together.**





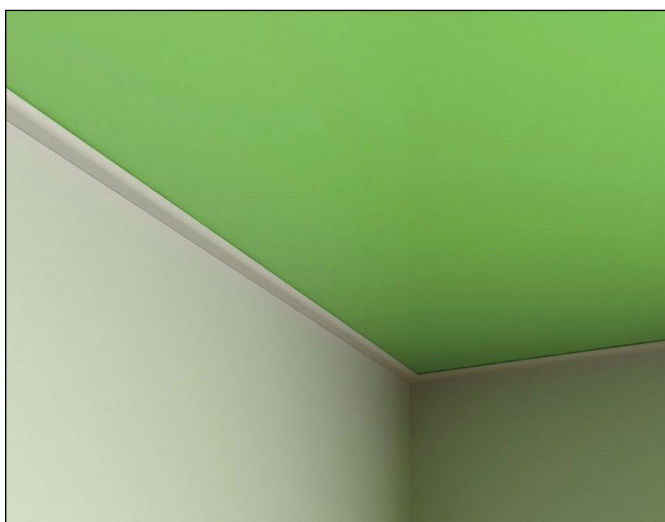
## AL 13

Aluminum wall profile (white) 27x27



Profile is used for installing stretch ceilings exclusively to the wall. Creates the effect of molding around the perimeter of the stretch ceiling.

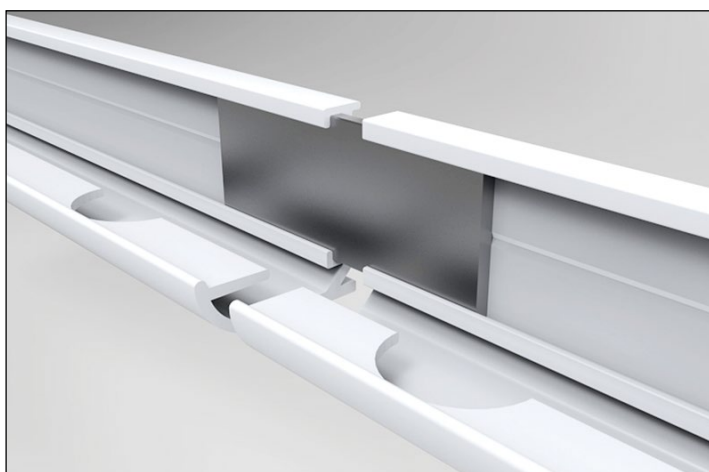
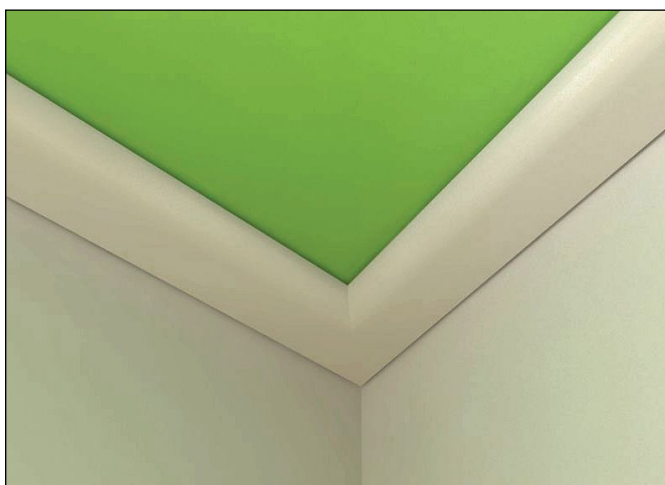
**Used with visible harpoon!**



Used in the construction for the installation of stretch ceilings exclusively to the wall. Creates the effect of molding around the perimeter of the stretch ceiling.



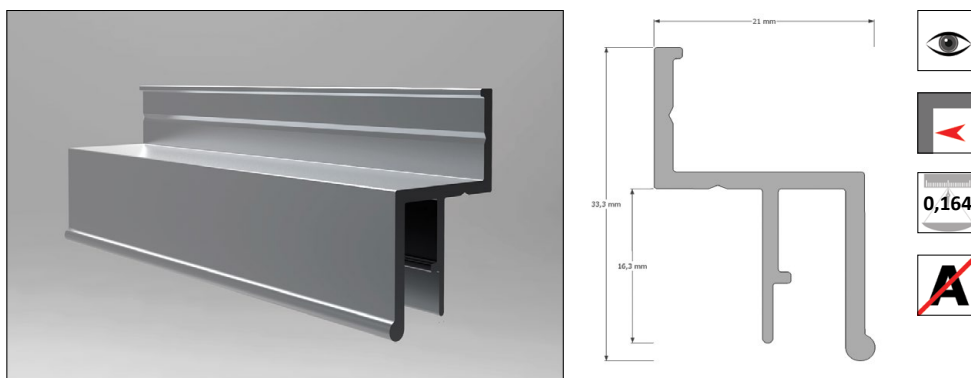
Milled slots on the edge of the profile provide better clutch of harpoon and profile



A special section is considered for the junction of the profiles with the special aluminium bar AL09.

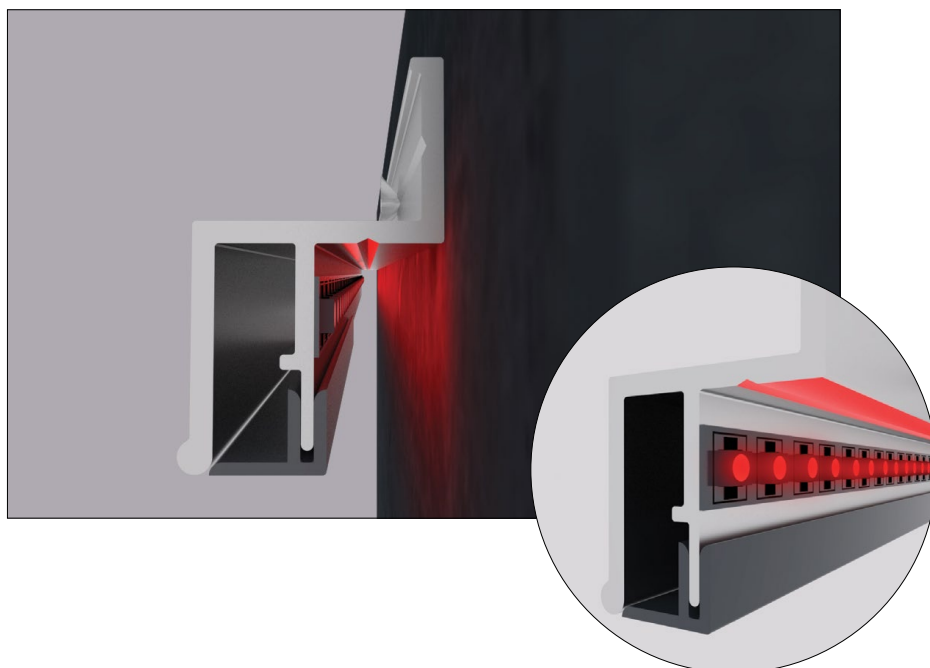
# AL 14

Aluminum wall profile 21x33 for a montage of the stretch ceilings with LED



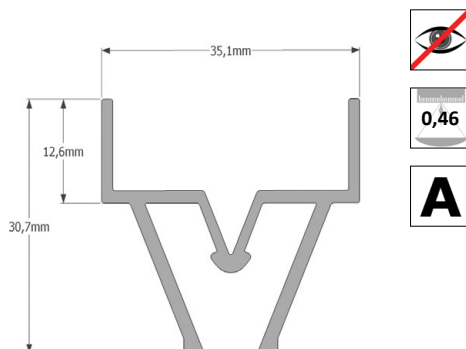
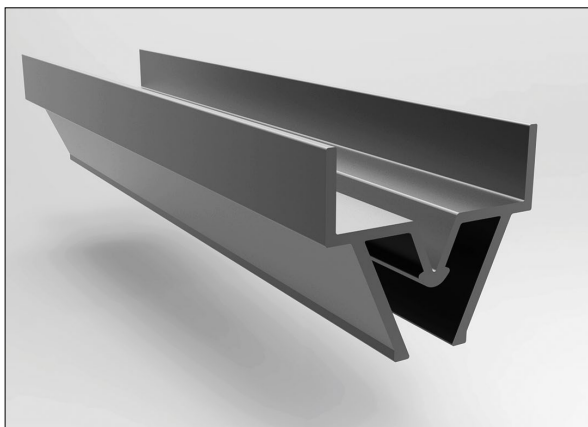
AL 14 is developed for installing stretch ceilings with LED backlit along the perimeter. LED strip is mounted to the specially intended space with the width of 15 mm on the back side of the profile. This profile is not anodized.

**Used with PC 03!**



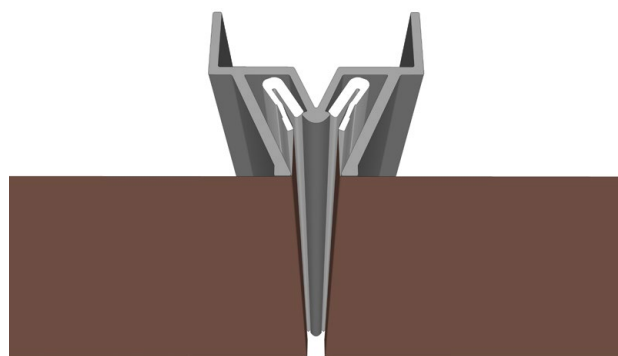
## AL 15

AL15-A aluminum separator profile 35x30 (corrosion resistant) anodised



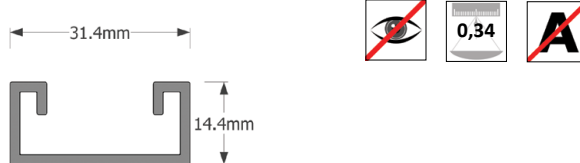
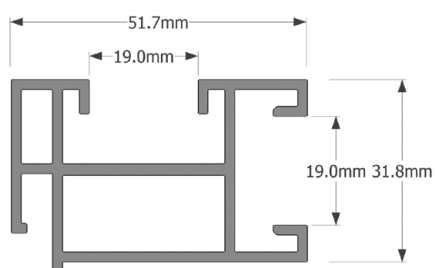
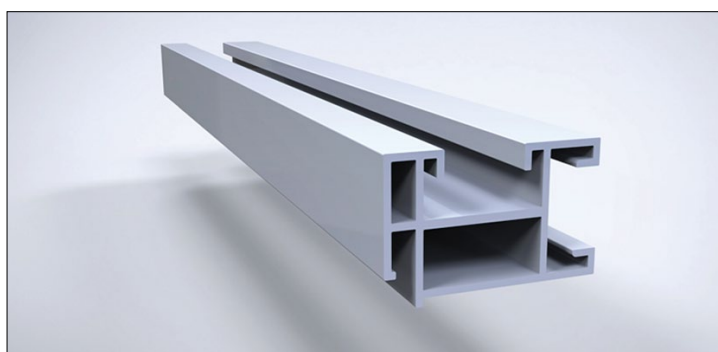
Separator AL15-A is designed to divide large stretch ceilings areas. AL15-A allows to reduce the separator profile shadow in large backlit stretch ceilings. Can be used independently as well as with profile AL17.

**Using the profile as a ceiling divisor:** Ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another roll for the order. Multiple ceilings in the same room must be ordered together.



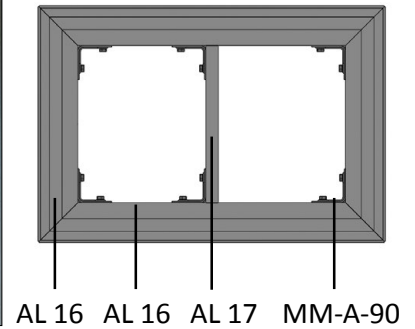
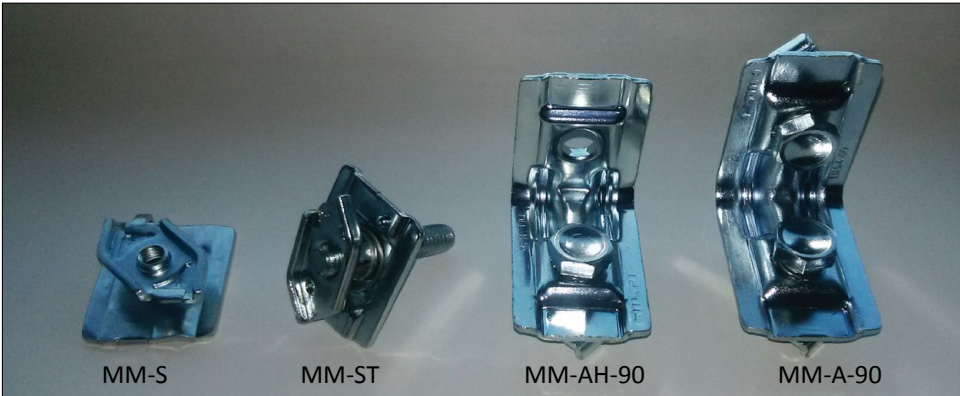
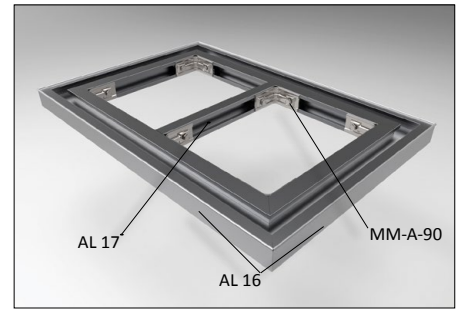
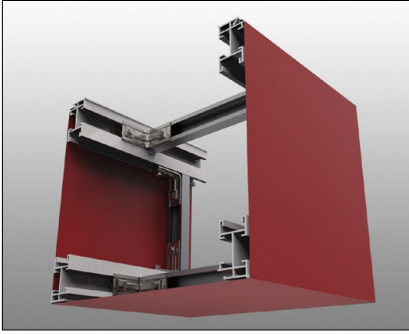
## AL 16 W/AL17

AL 16-W Modular profile 52x32 white, AL 17 Modular profile 32x14



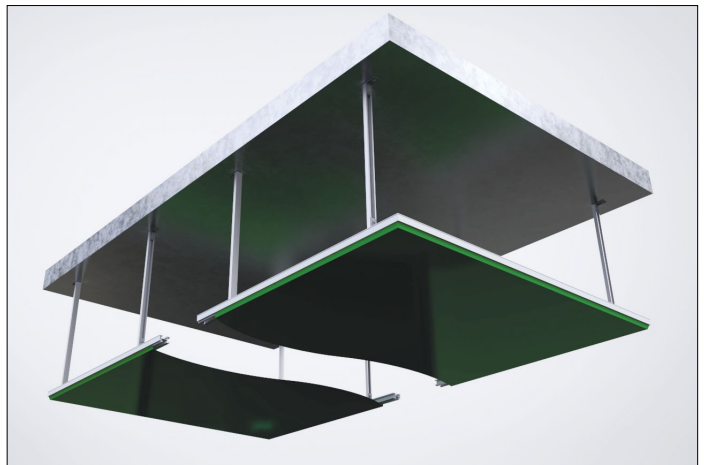
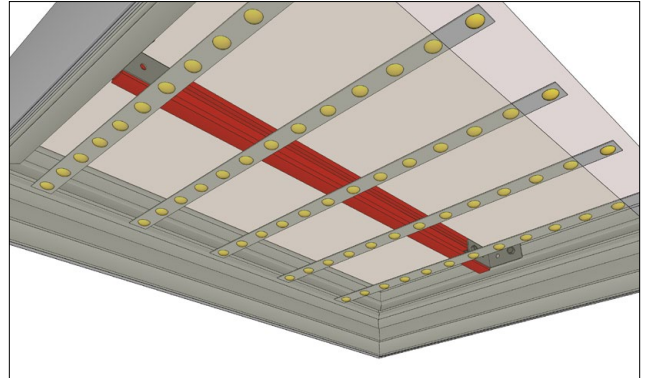
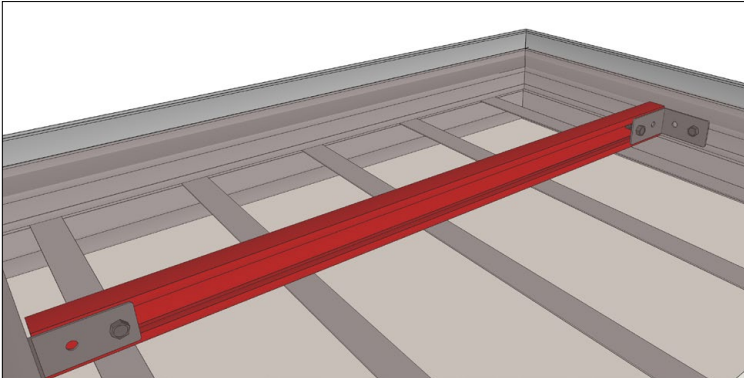
AL 16W+AL 17 Modular system of aluminum profiles for creating 3D-forms. Modular profiles have an elaborate system for connection and are fixed with the details MM-S, MM-ST, MM-AH-90 and MM-A-90. This profile is used with MINI harpoon. Easy corner fixing with LC01 corners. Stretch ceilings are made with small reduction using this profile.





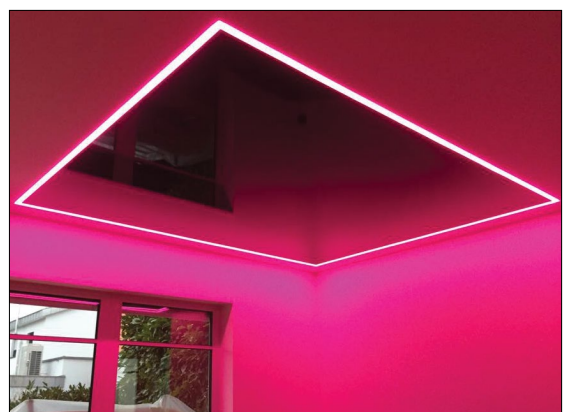
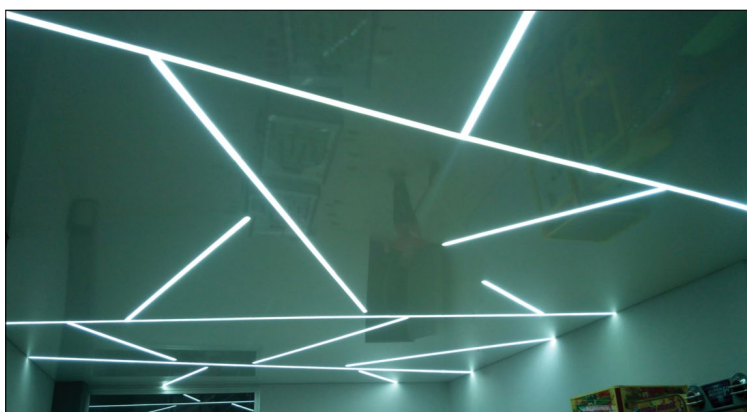
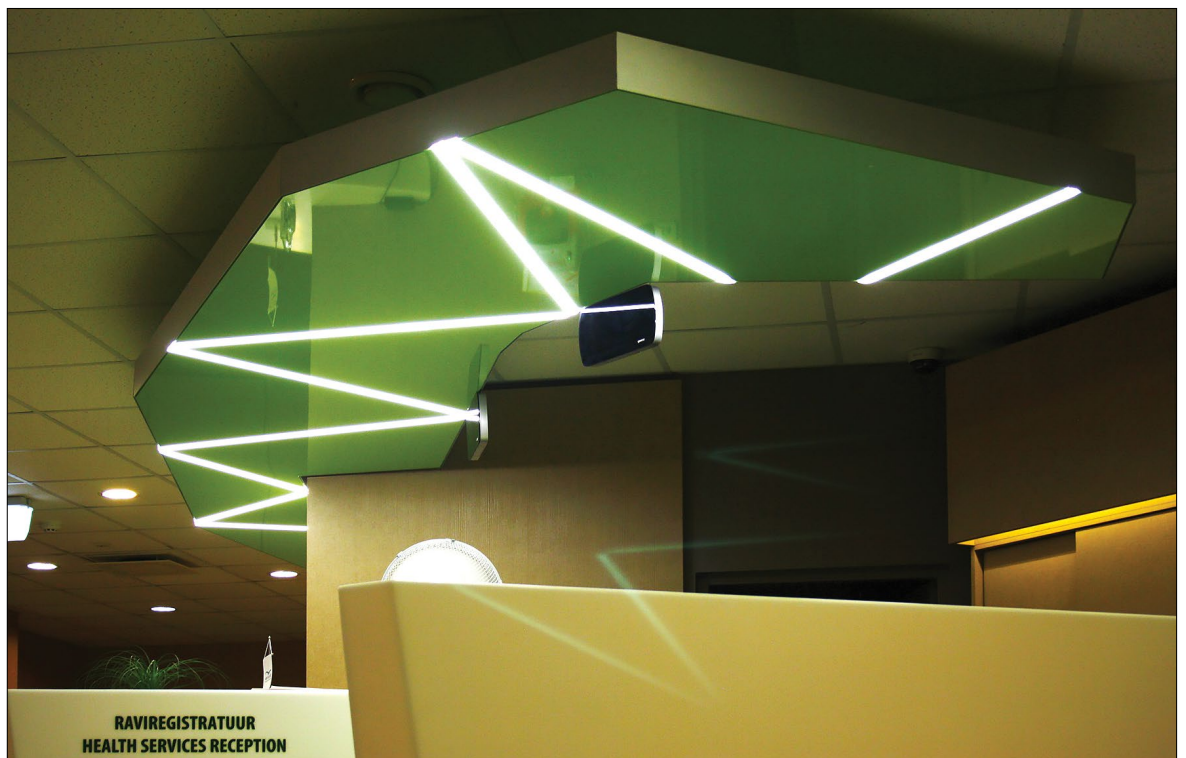
**Details for the connection of modular profiles:**

- Connection MM-S
- Connection MM-ST
- Corner connection MM-AH-90
- Corner connection MM-A-90





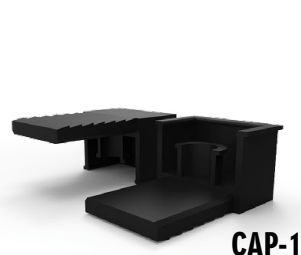
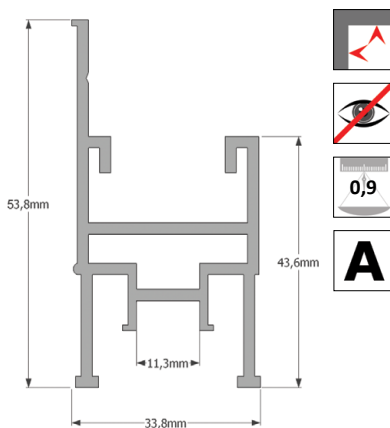
**VECTAKEYLIGHT**





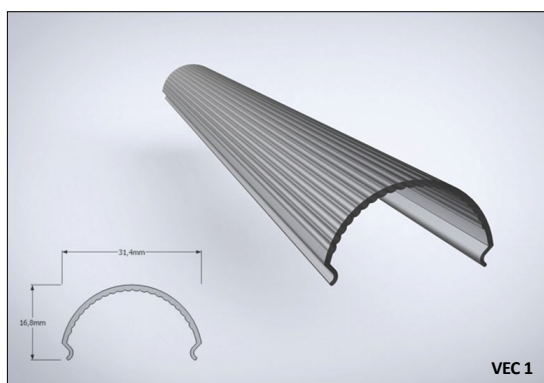
# AL 18

AL 18 Aluminum profile KEY LIGHT system 54x34

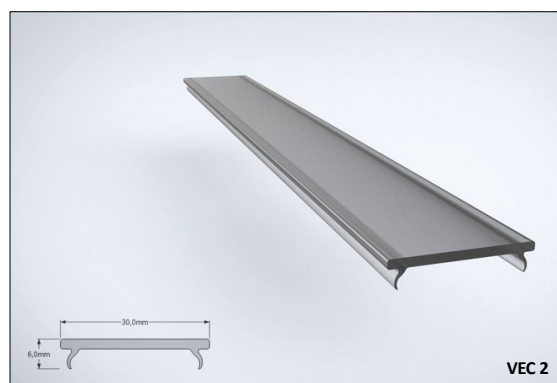


VECTA KEY LIGHT system enables the creation of modern interior designs by using light accents. High quality stretch or gypsum board ceilings featuring fully integrated LED lighting will provide a unique and stylish appearance. Continuous light lines can be achieved with this 30mm wide integrated LED lighting. With specially developed diffusers two levels of illumination are possible, direct and scattered light. VECTA KEY LIGHT can be installed to create geometric patterns. VECTA KEY LIGHT system features an aluminum profile AL 18, an LED light source and a matt diffuser. CAP-1 for KEY LIGHT system has been developed by VECTA DESIGN to enable the creation of exciting ceiling designs. With CAP-1, the KEY LIGHT profile can end anywhere in the stretch ceiling. Standard profile length 2,5m, special order 5m long profile.

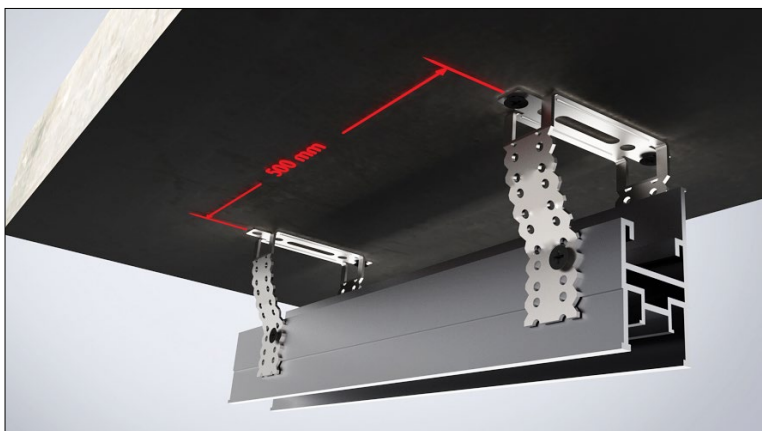
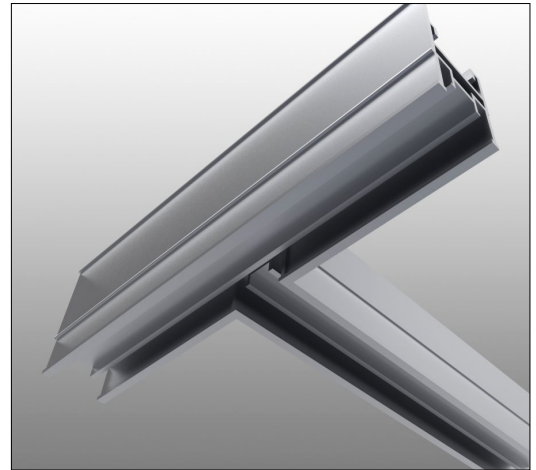
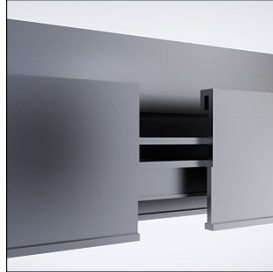
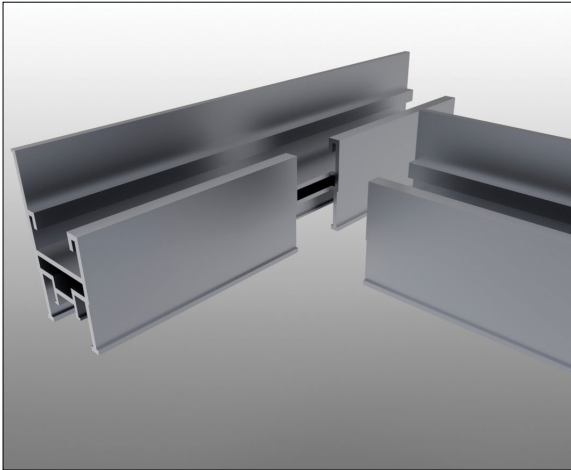
**Using the profile as a ceiling divisor: Ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another roll for the order. Multiple ceilings in the same room must be ordered together.**



VEC 1 White matt round diffuser for profile AL 18 / VEC 2 White matt flat diffuser for AL 18







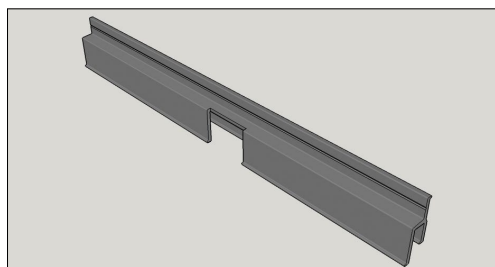
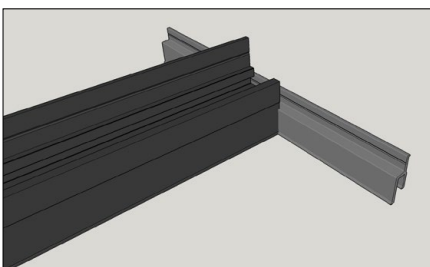
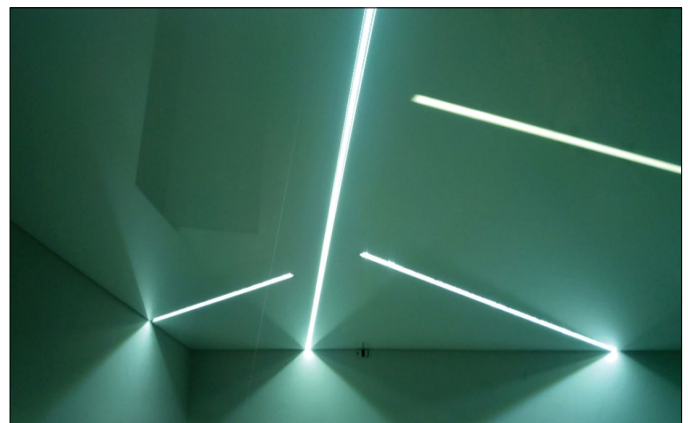
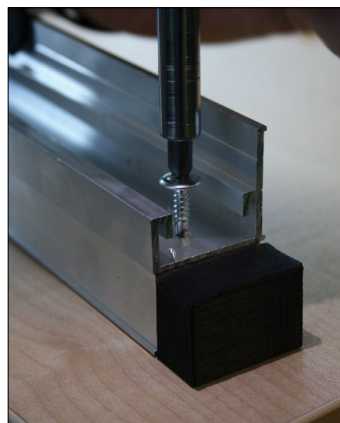
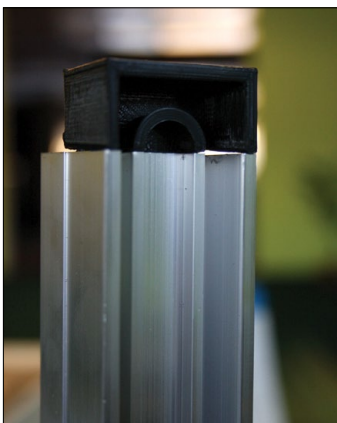
Ceiling attachment-AL 18 is attached to the ceiling with plasterboard frame with hangers using screws. Suspensions are installed every 50 cm.

Developed by vecta design - new Key Light ending CAP-1 enables to have more variations in design. Now with CAP-1 the lightline can end in the middle of the stretch ceiling enabling to create modern lighting solution.

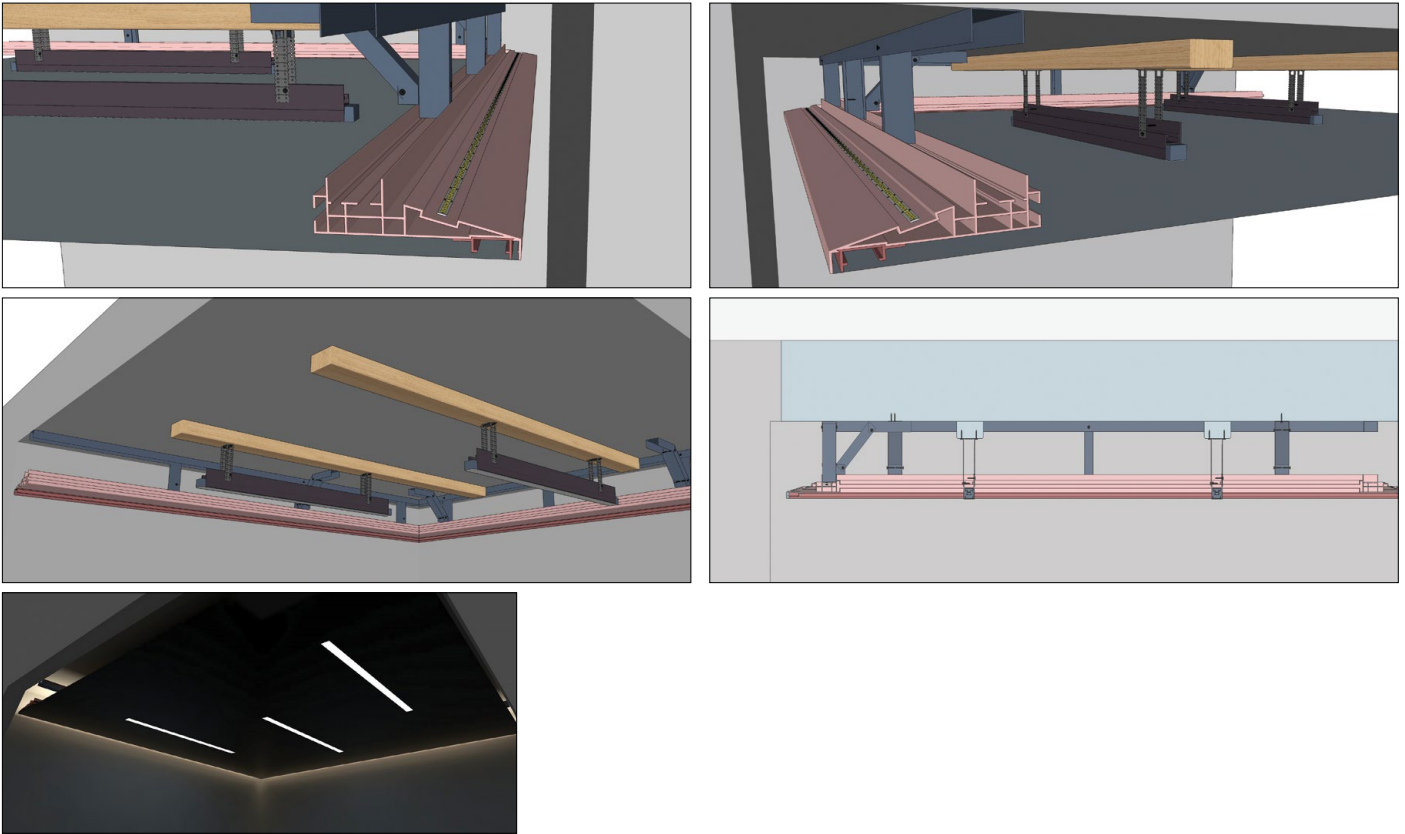
**Using CAP-1 with AL18 profile:**

When making a ceiling drawing with AL18 + CAP-1 in the middle of the ceiling, please take notice that the AL18+CAP-1 must be 4cm shorter on the drawing then the actual profile with CAP-1. Otherwise you will have too much harpoon on the actual ceiling. For example the AL18+CAP-1 is 340cm, then on the drawing it should be written 236cm.

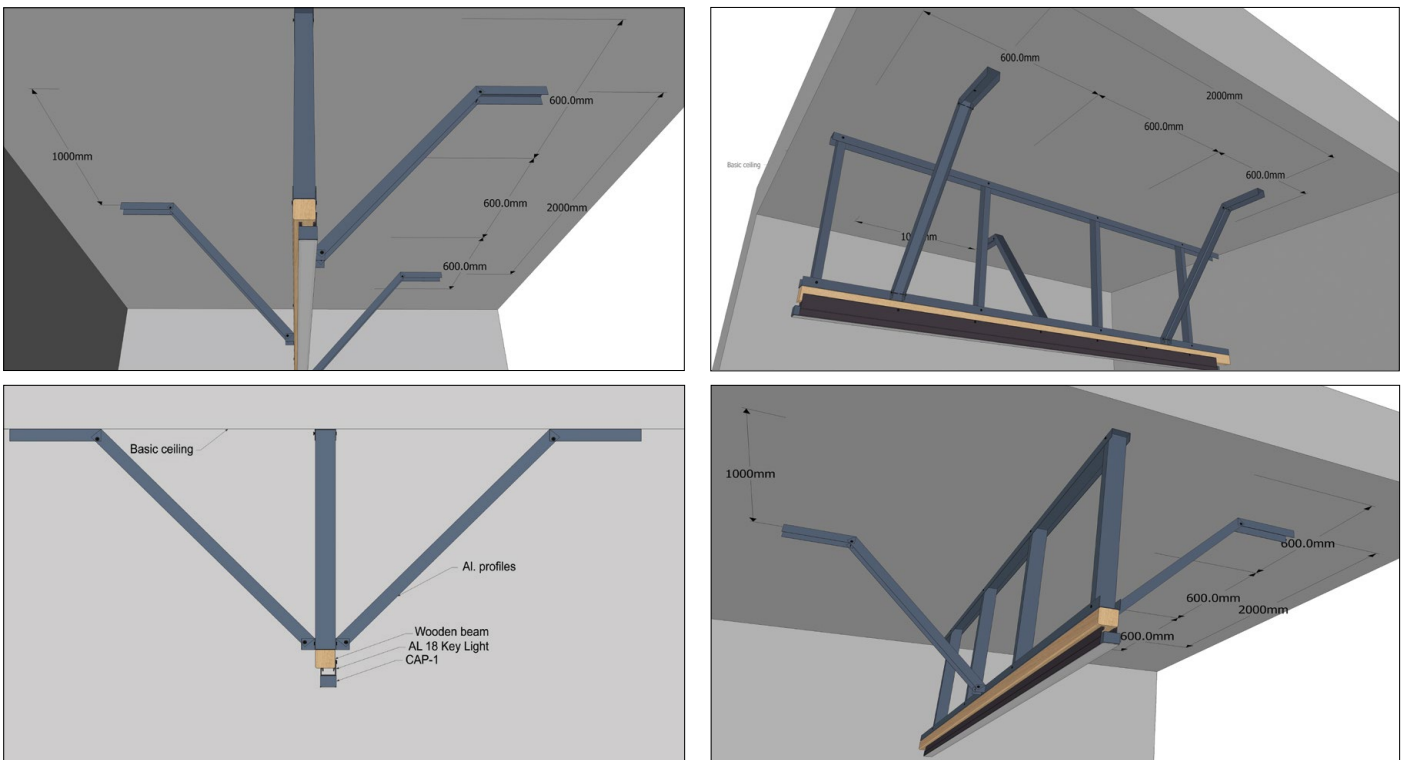
Before installing the ceiling the CAP-1 must be fastened to the profile with a screw. With the CAP-1 the ceiling installation always starts at CAP-1.



VECTA KEY LIGHT system installation with perforated steel tape max 20cm from the basic ceiling:

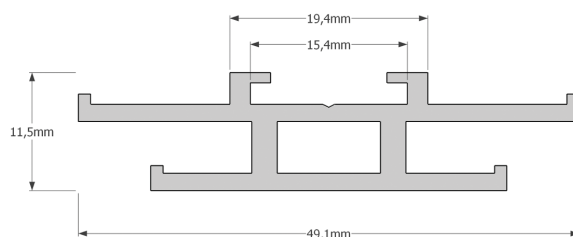
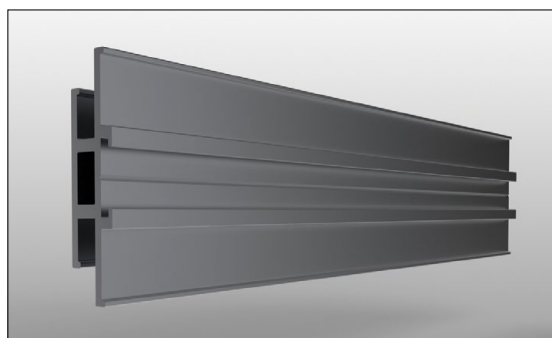


VECTA KEY LIGHT system installation with aluminum reinforcement bars 40cm from the basic ceiling:

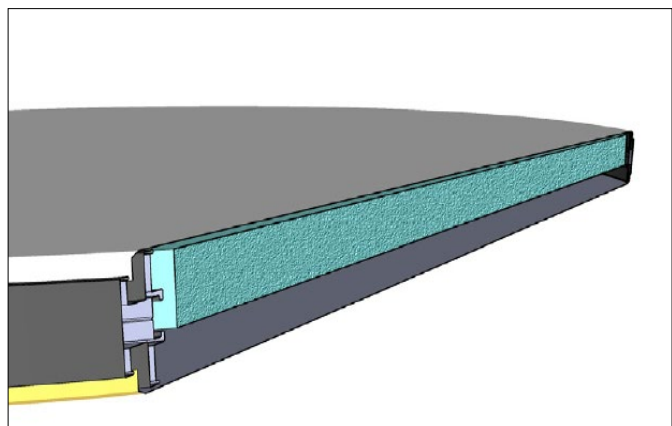
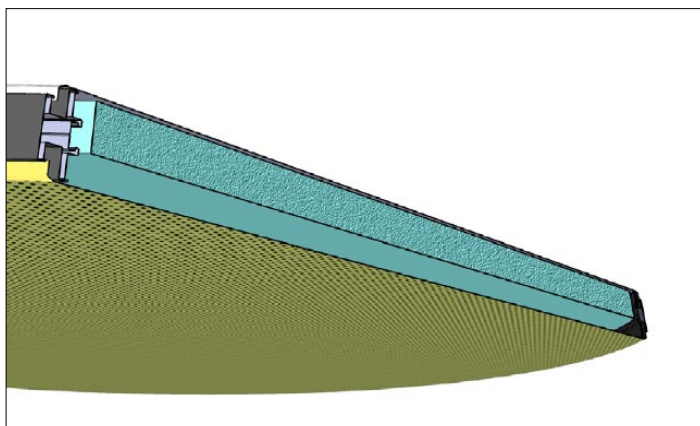
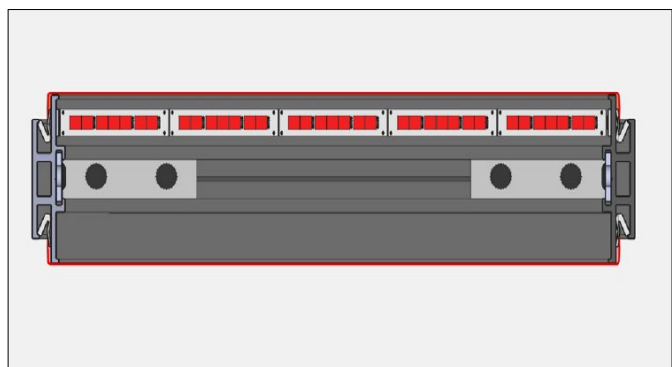
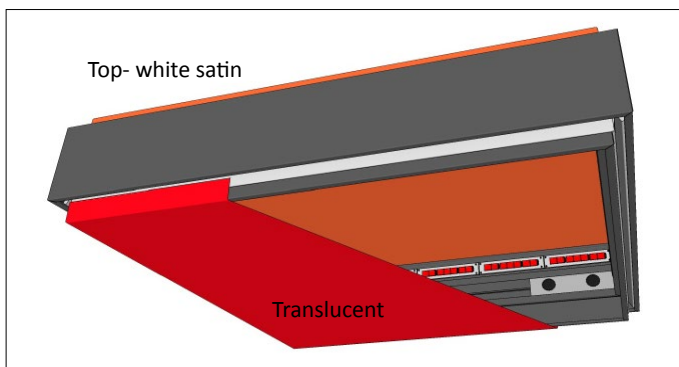
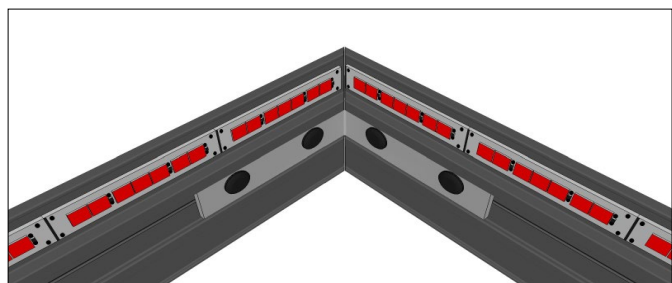
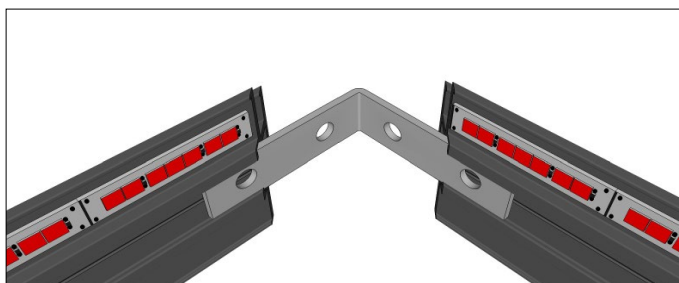


## AL 19

AL 19 Aluminum profile LUCA system 49x11 is used for frames and with MINI harpoon



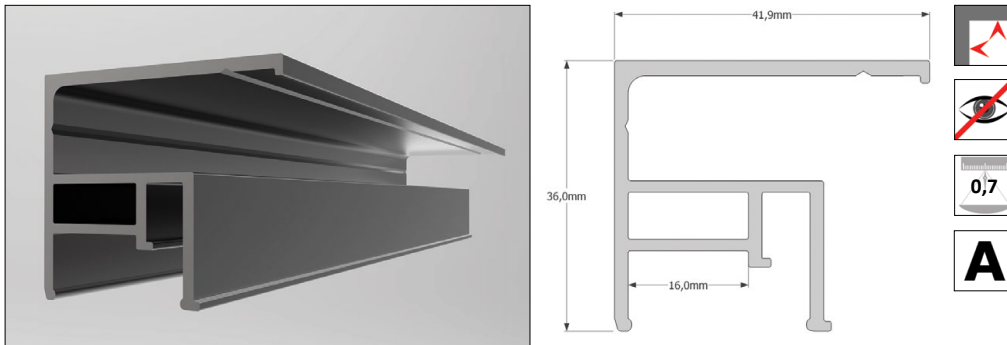
The frames AL 19-LUCA can be used with Armstrong ceiling panels. It is also possible to create ultra thin light or acoustic panels. Maximum square module size is 60x60cm, diameter for round panels for non anodized profile is maximum 1,59cm. Diameter for anodized round profile can be up to 200cm. Standard profile length 2,5m, special order only for anodized AL19 is 5m long profile.



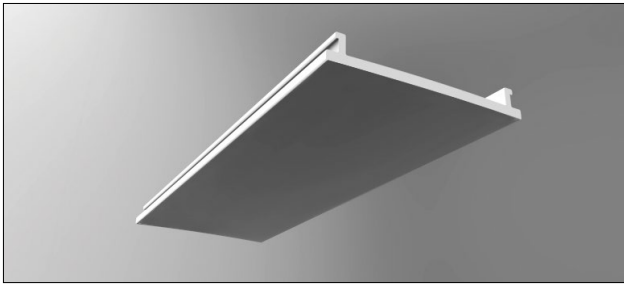


## AL 20

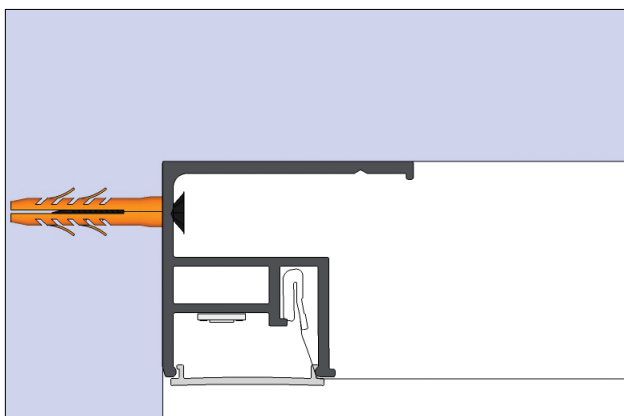
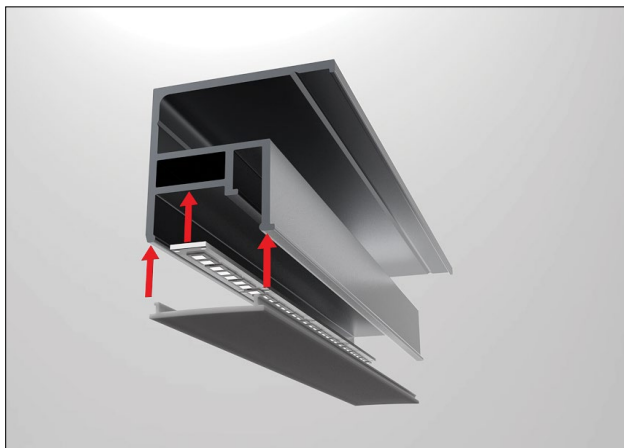
AL 20 Aluminum profile for CROWN LIGHT system 42x36



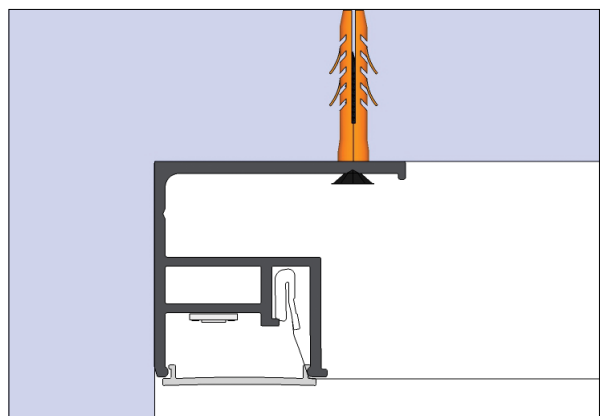
AL 20 Aluminum profile CROWN LIGHT system 42x36 is used for walls and ceilings for creating cornice lighting around the perimeter of the room. Crown Light System AL20+LR18 or LR19+VEC-03 sold as a system. Standard profile length 2,5m, special order 5m long profile.



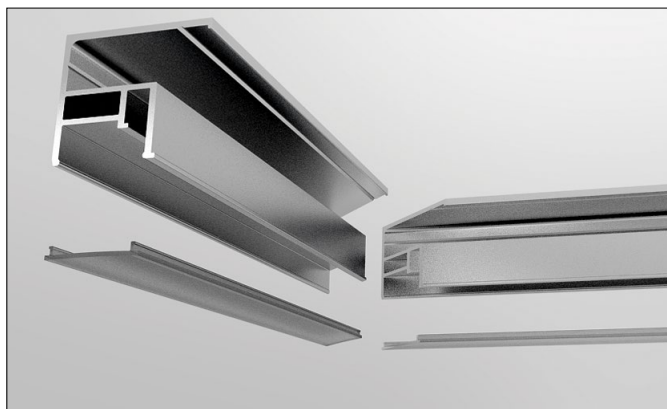
VEC 3 White matt flat diffuser for profile AL 20



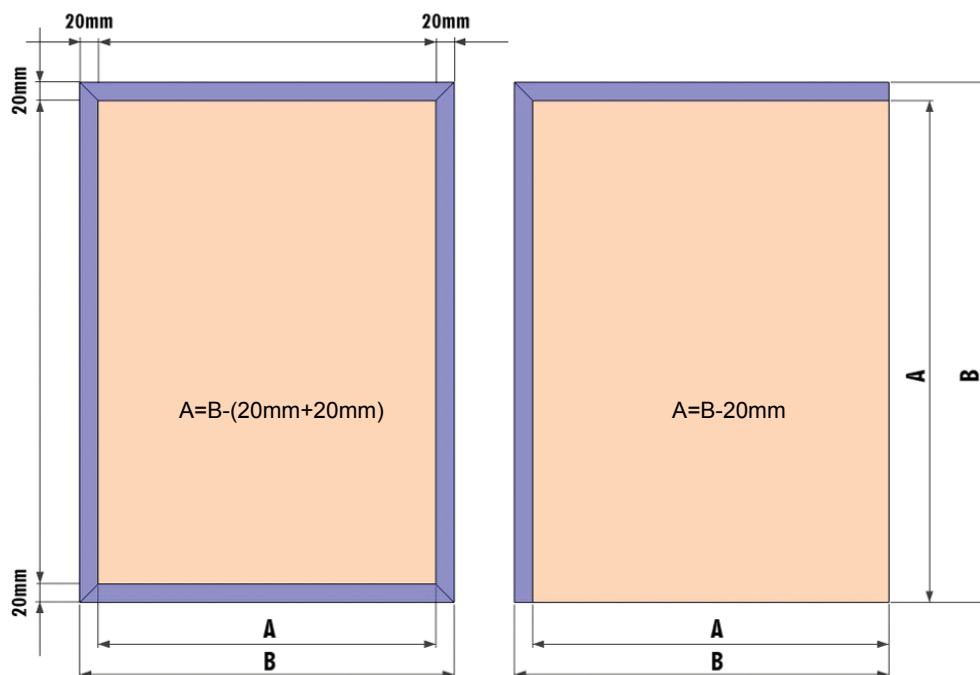
Fastening to the wall



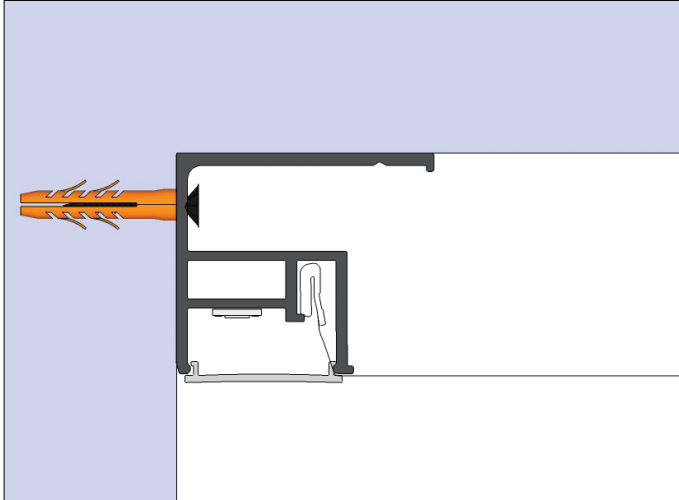
Fastening to the ceiling



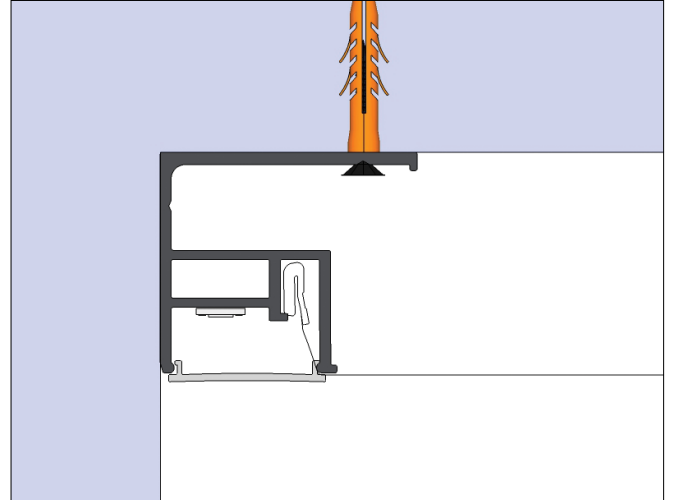
- Stretch ceiling Vecta (A)
- Profile Crown light (B)



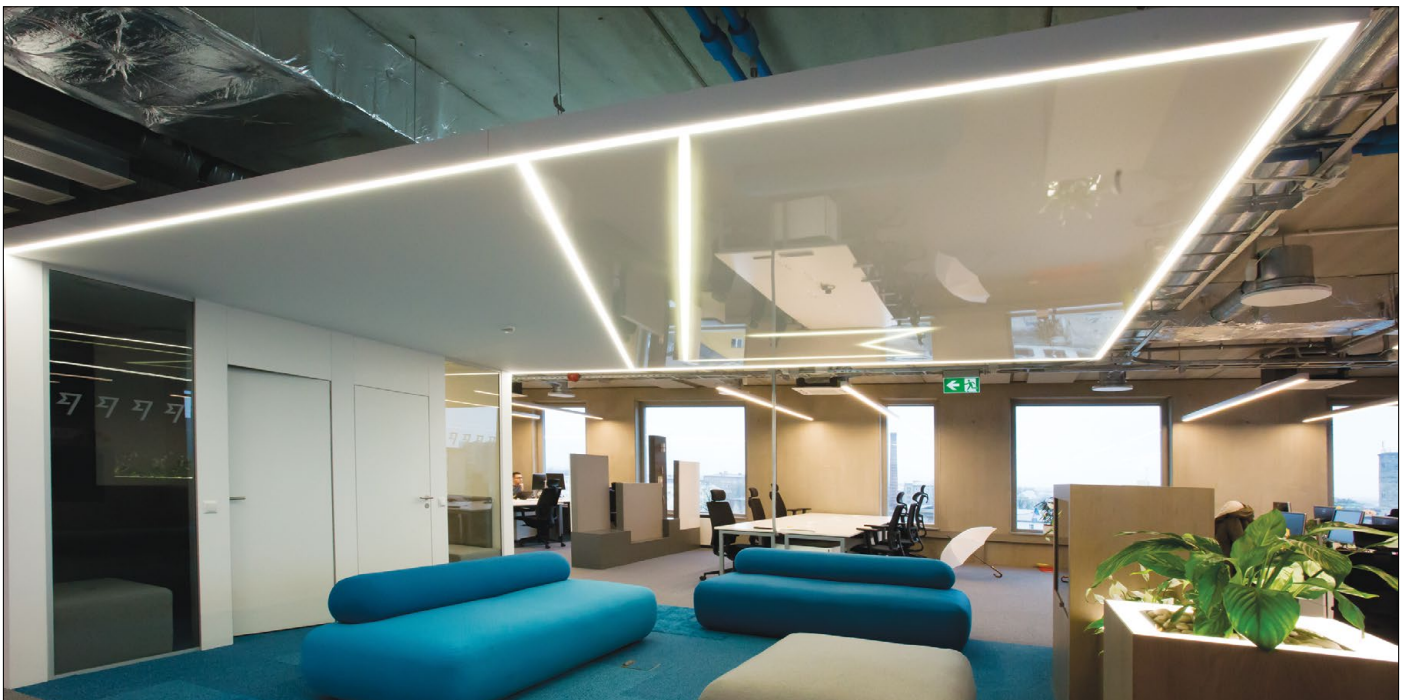
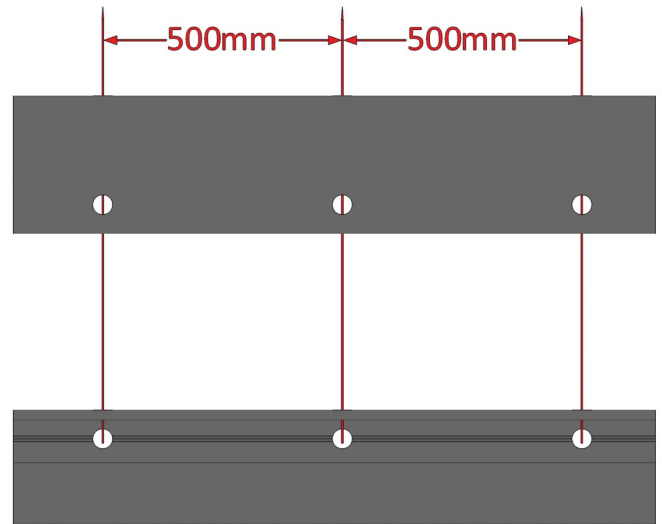
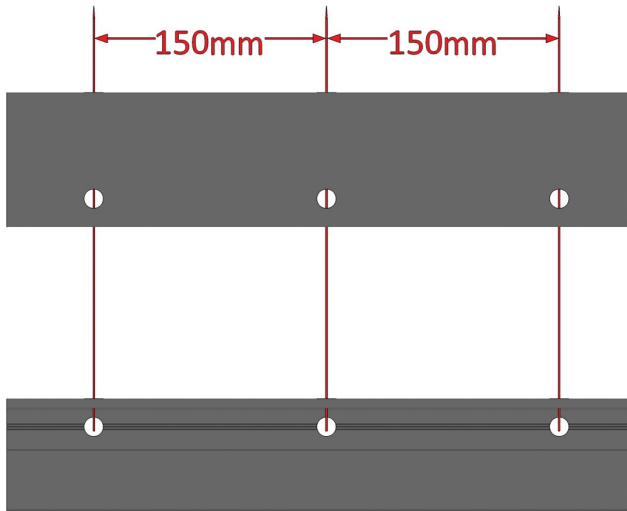
Fixing of profile AL 20 to the wall with wall plug



Fixing of profile AL 20 to the ceiling with wall plug



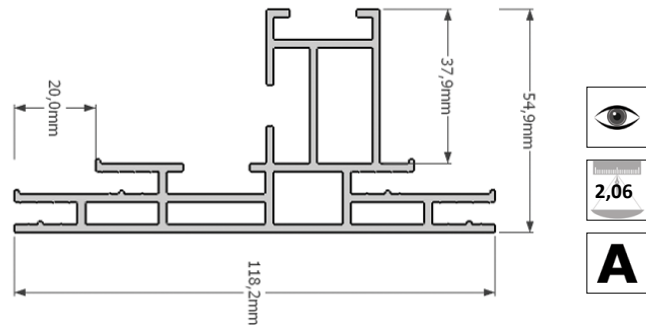
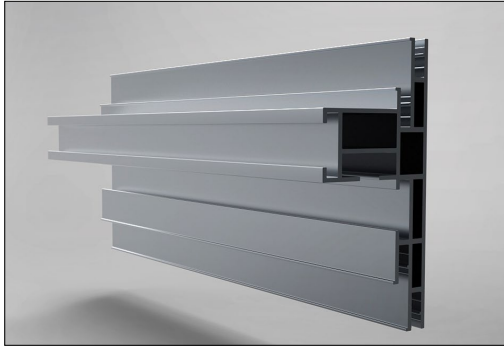
Recommended screw fixing centres for the AL-20 profile are 500 mm for concrete surfaces and 150 mm for gypsum boards. Drill size – 6mm diameter.





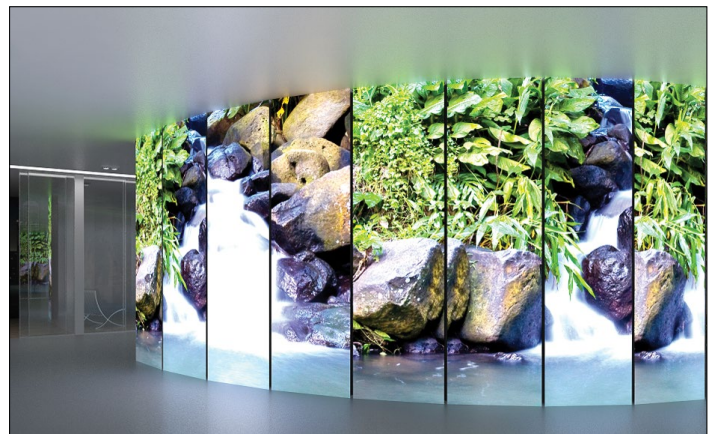
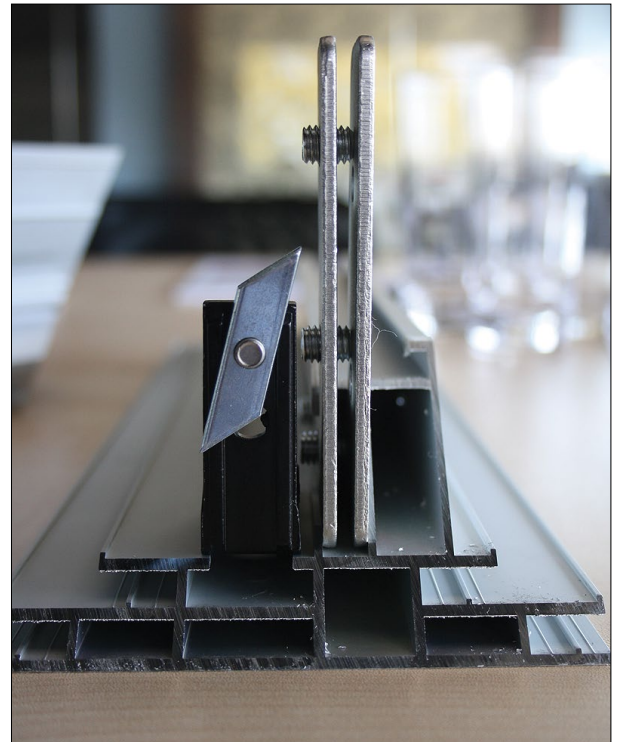
## AL 22 A

AL 22 A - Aluminum light modular profile 56x118 used with MINI harpoon or EASY ACCESS system

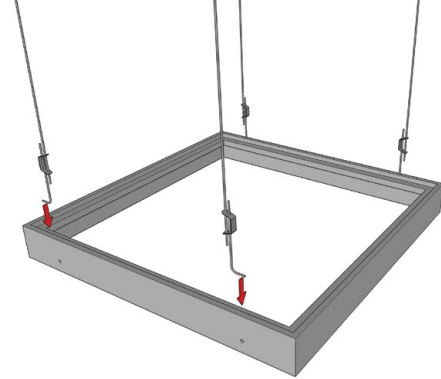
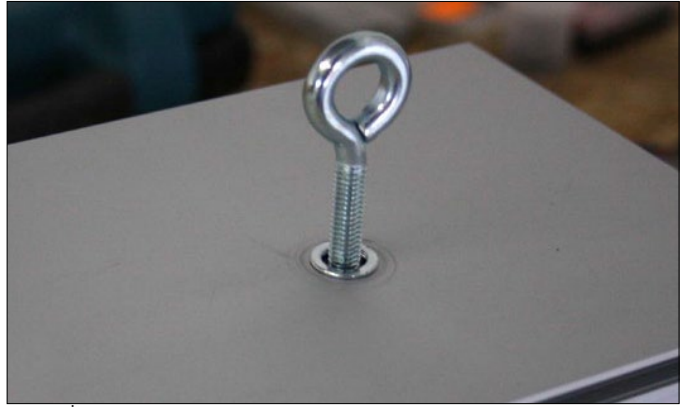


VECTA EXPO is a modular system featuring stretch ceiling material installed in a frame constructed from the AL 22 profile using special fixings. If required, LED lighting can be easily installed. VECTA EXPO panels can be used as illuminated or acoustic partition walls, step and repeat banner, exhibition or information stands and, by design, can be used for other applications that may be specified by clients. The profile has the unique capability of enabling the installation of stretch materials fitted with MINI harpoon or the new Easy Access system. Standard profile length 2,5 m, special order 5m long profile. Smallest angle for AL 22 A profile can be 45 degrees. Easy corner fixing with LC01 or LC02 corners. Stretch ceilings are made with small reduction using this profile.

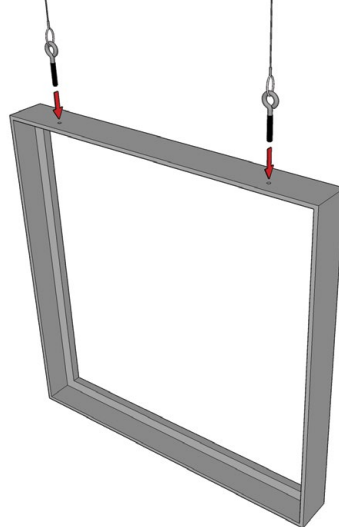
### Corner connection



## Fixing AL 21 A and AL22 A panels



Horizontal ceiling suspension (HS)  
with ceiling joist hanger



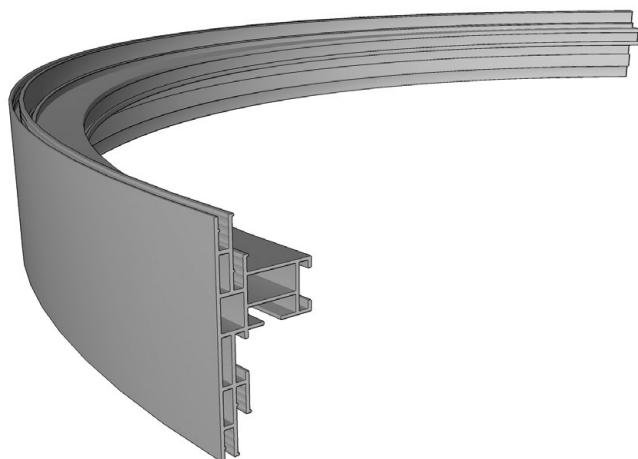
Vertical ceiling suspension  
(VS) with cables and hooks



Base plates (BP) mounting

The curved profile is custom-made in the factory for an excellent finish. Can be used for custom made lamps and other light solutions. Minimal AL22 bent round diameter is 90cm. Minimal round inside out diameter is 70cm. Should be painted after curving.

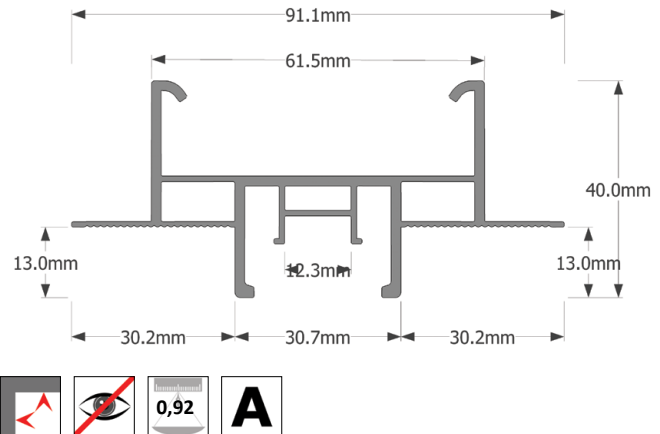
By bending 5m long profile the usable profile length will be 3,6m





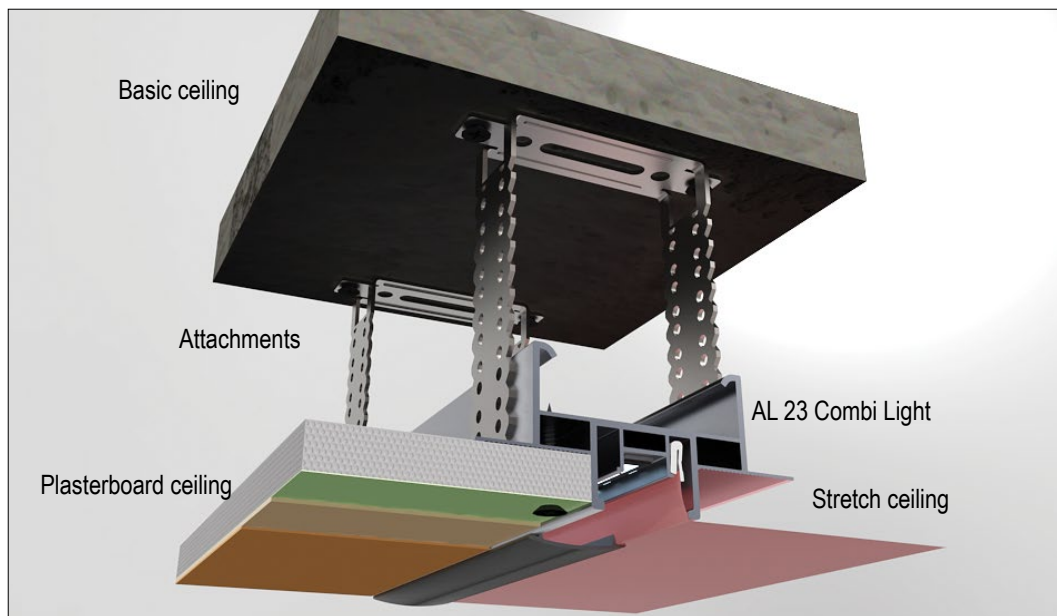
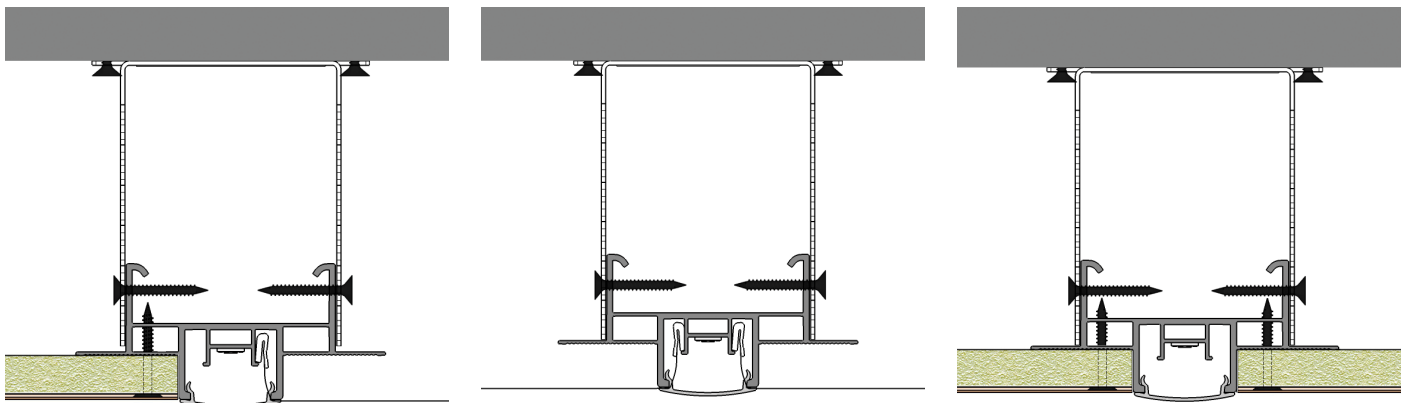
## AL 23

### AL 23 Combi Light - Aluminum ceiling and wall profile for plasterboard and stretch ceilings 40x91

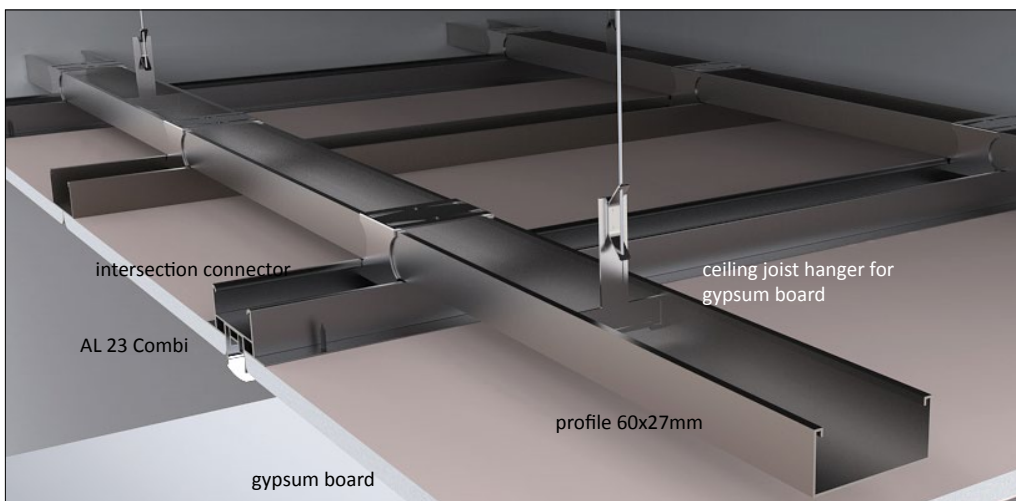
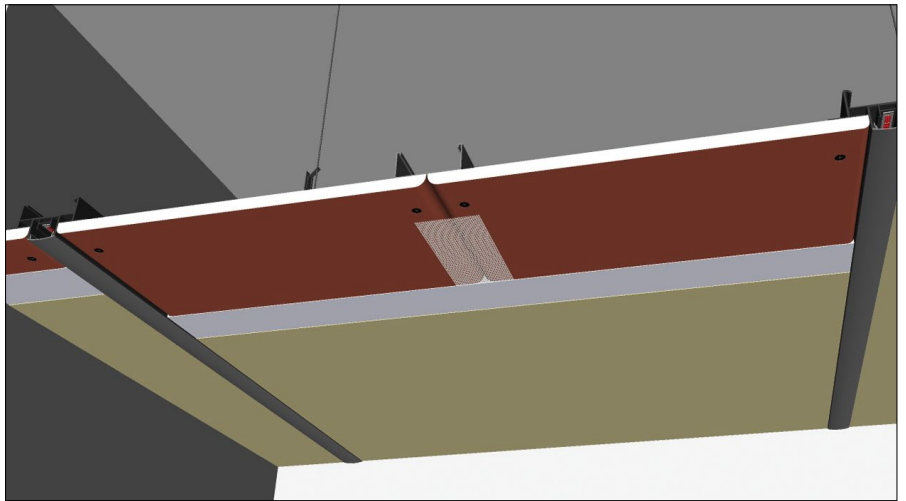
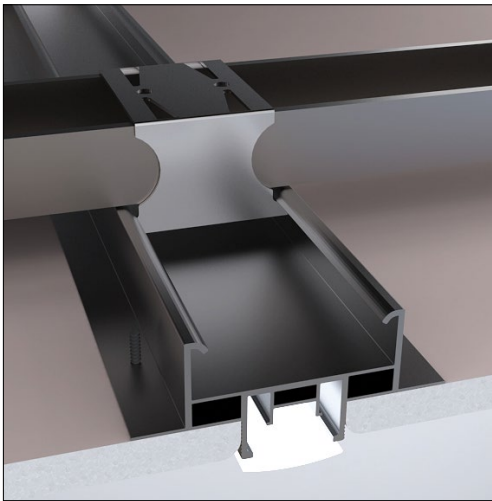
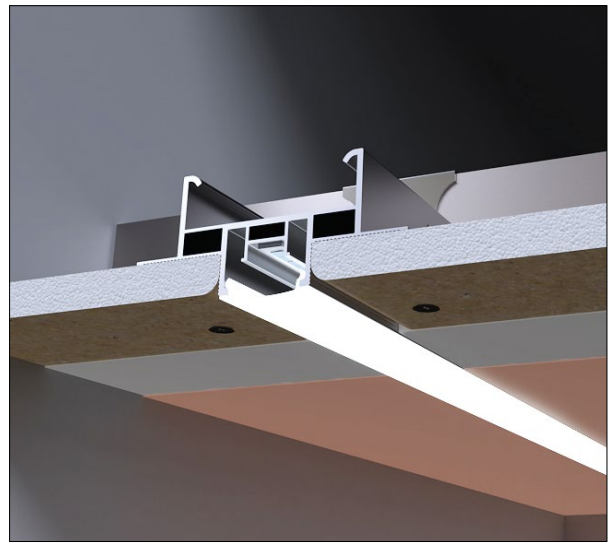
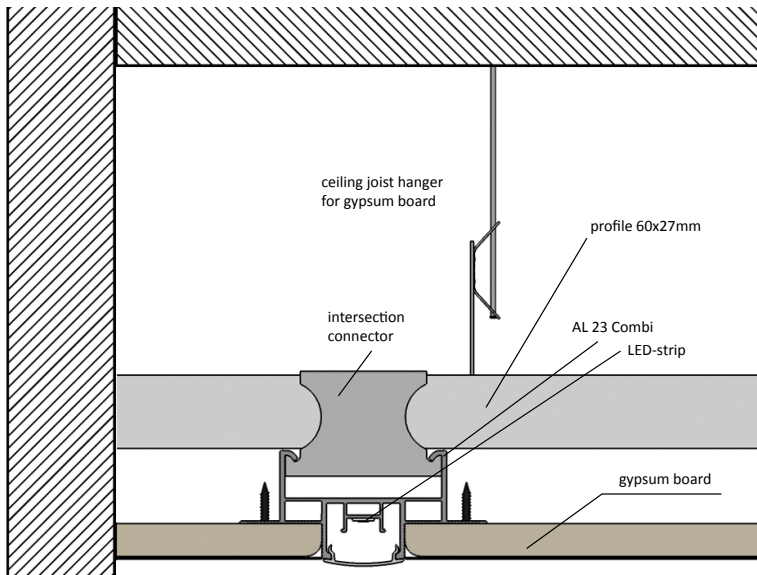


AL 23 COMBI LIGHT was developed to enable integration of the KEY LIGHT system into gypsum board ceilings. In addition, the COMBI LIGHT profile is multifunctional, as it can be used to combine gypsum board and stretch ceiling material in one room. For all installations, the COMBI LIGHT system enables the creation of interior design accents with continuous light lines from the 30mm wide LED strips. Alternative LED strips are available to provide cold or neutral light (LR-39 or LR-40) and the installation is completed by the VEC-4 diffuser. Standard profile length 2,5m, special order 5m long profile. When used with gypsum board, then the gypsum board should be 12mm or 12,5mm thick, then you can hide screws with gypsum putty and add paint coating on the gypsum surface.

**Using the profile as a ceiling divisor: Ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another roll for the order. Multiple ceilings in the same room must be ordered together.**





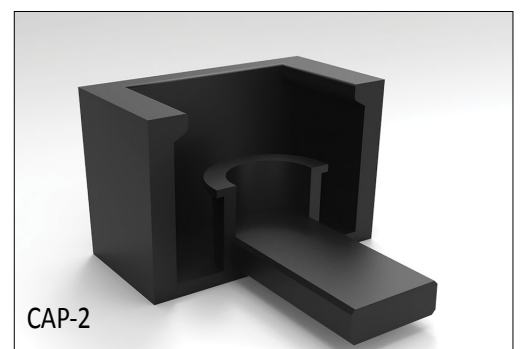


Developed by Vecta Design - new AL 23 Combi ending CAP-2 enables to have more variations in design. Now with CAP-2 the lightline can end in the middle of the stretch ceiling or gypsum board enabling to create modern lighting solution.

**Using CAP-2 with AL23 profile:**

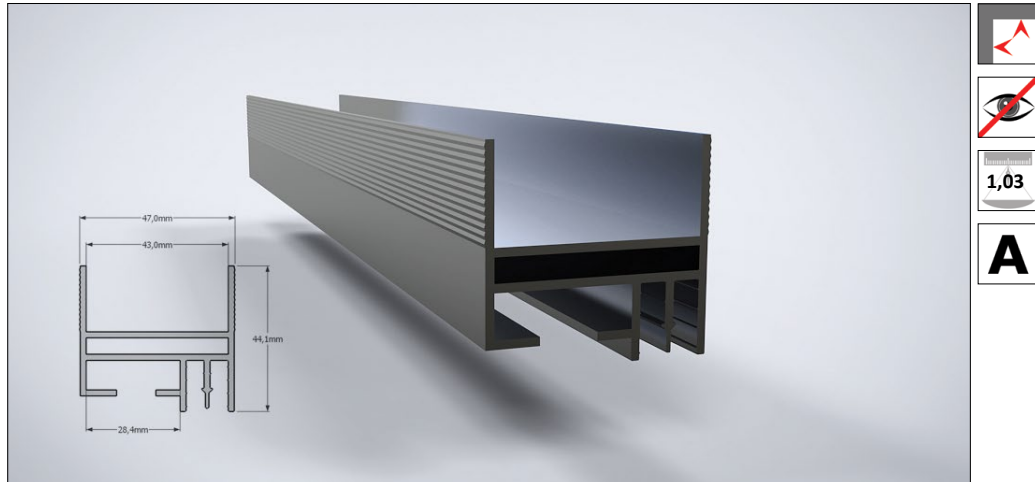
When making a ceiling drawing with AL23 + CAP-2 in the middle of the ceiling, please take notice that the AL23+CAP-2 must be 4cm shorter on the drawing than the actual profile with CAP-2. Otherwise you will have too much harpoon on the actual ceiling. For example the AL23+CAP-2 is 340cm, then on the drawing it should be written 236 cm.

Before installing the ceiling the CAP-2 must be fastened to the profile with a screw. With the CAP-2 the ceiling installation always starts at CAP-2.



## AL 24

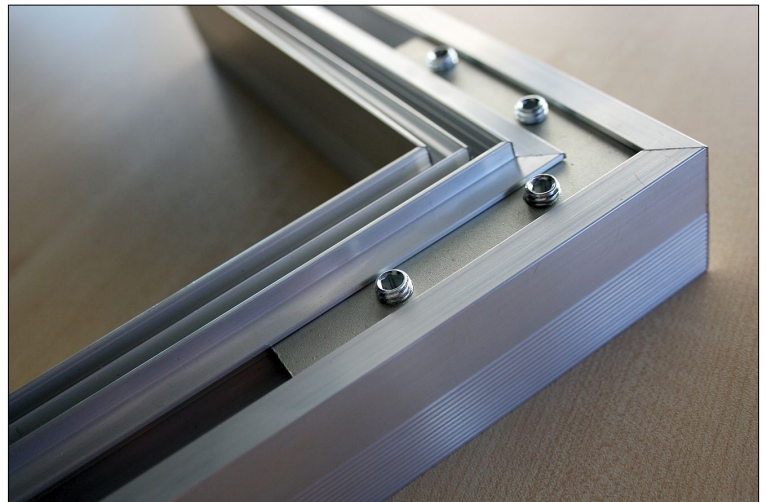
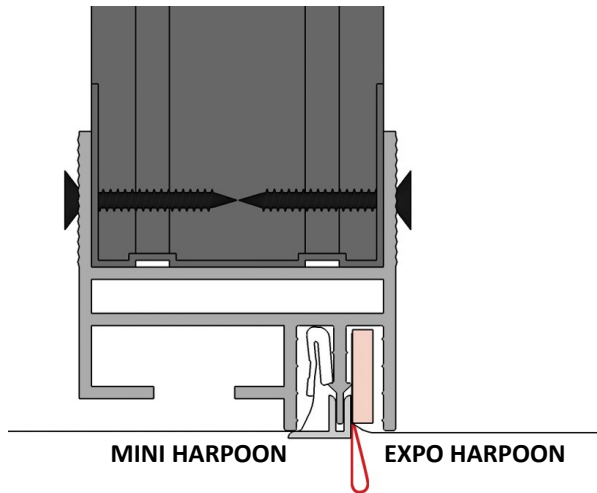
Aluminum profile AL 24 for ceiling traps. Used with MINI harpoon or EASY ACCESS system



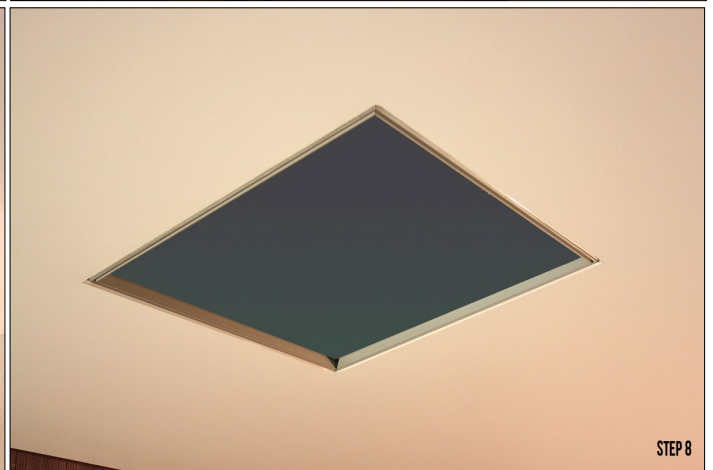
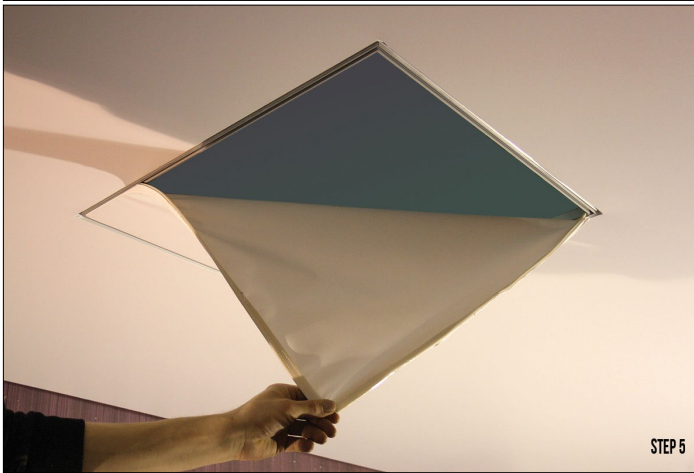
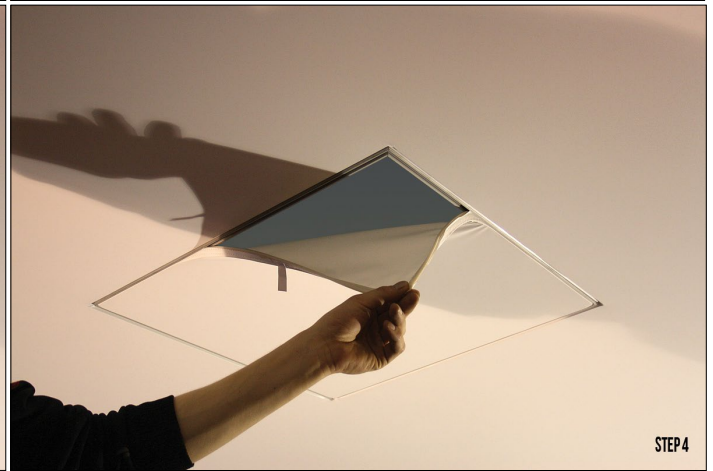
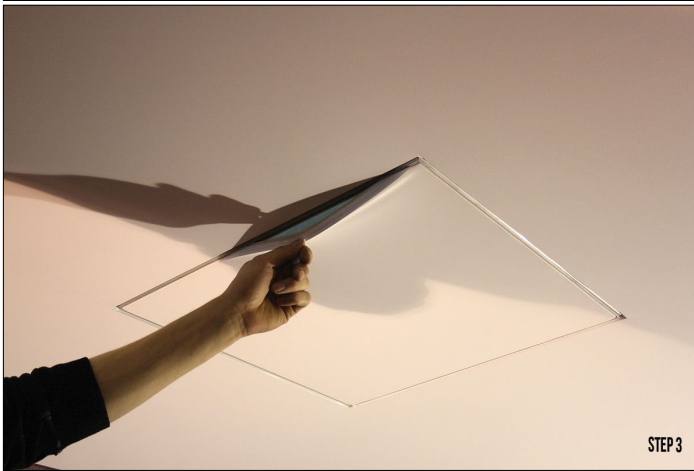
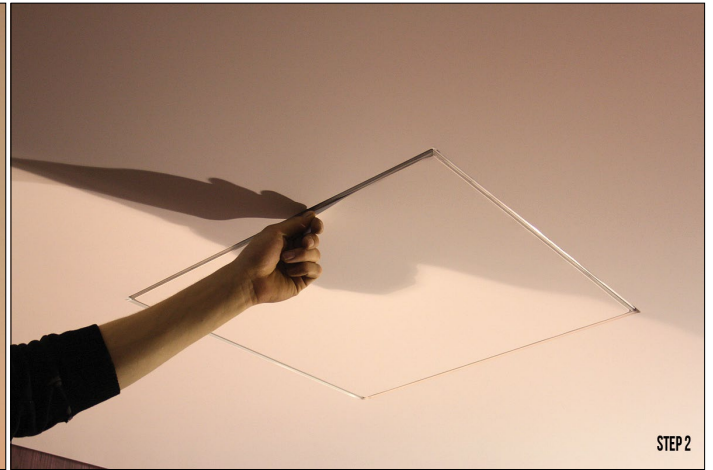
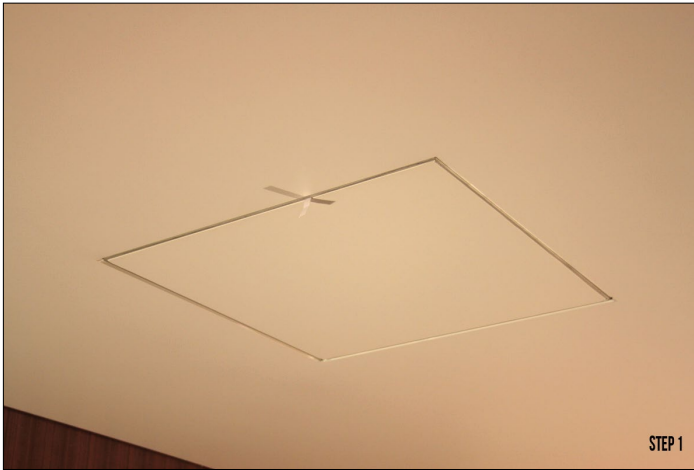
- Maximum size of trap-doors is 200cm x 200cm and can be installed into stretch ceiling
- Quick and easy installation and removal of trap-door
- Trap-door can be the same color or different color as the ceiling surrounding it
- Special elastic harpoon along the perimeter of the trap-door ceiling
- No special skills or equipment required for installation or removal of trap-door ceiling

The profile has the unique capability of enabling the installation of stretch materials fitted with MINI harpoon or the new Easy Access system. Standard profile length 2,5m, special order 5m long profile. Construction of custom ceiling traps using special fixings. Easy corner fixing with LC01 corners.

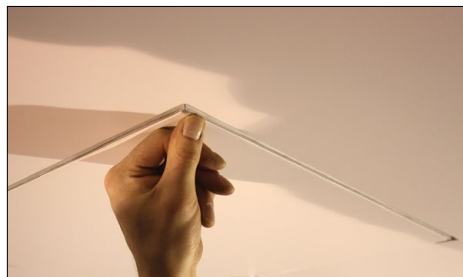
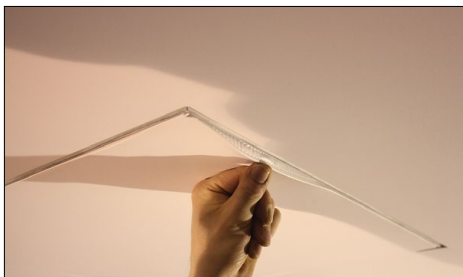
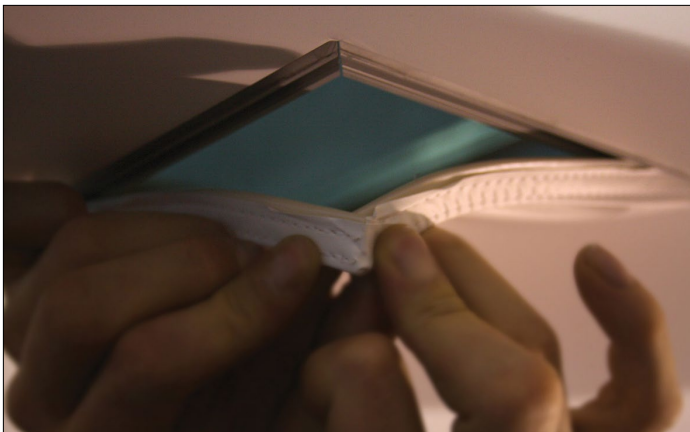
**Using the profile as a ceiling divisor:** Ceilings have to be ordered simultaneously, as there can be tone difference of various film lots. If there will be a time gap between the orders production might use another roll for the order. Multiple ceilings in the same room must be ordered together.





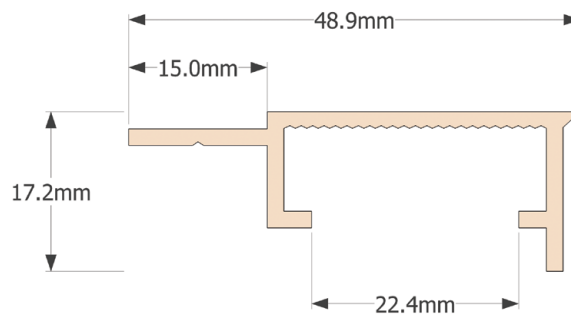
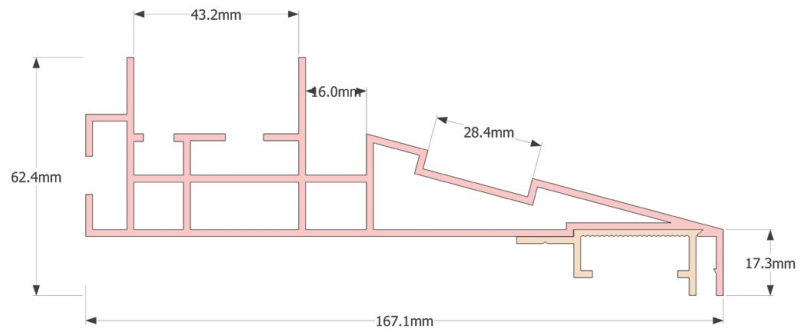
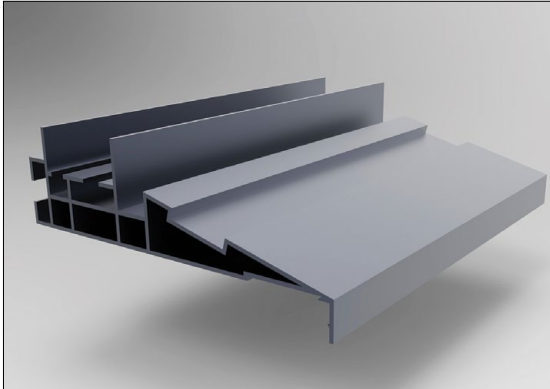






## AL 25

Aluminum profile AL 25 for ceiling cornice. Used with MINI harpoon or EASY ACCESS system

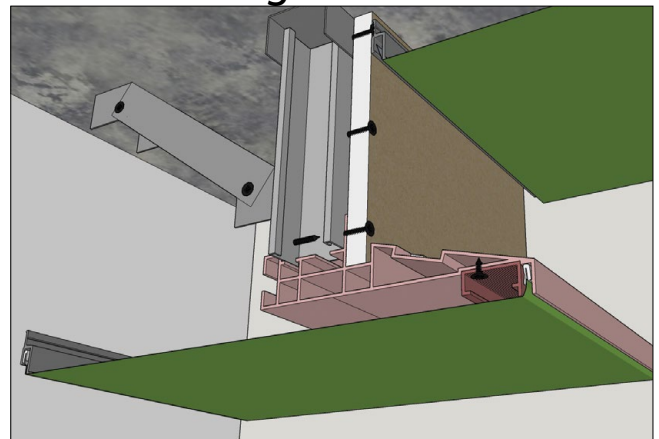
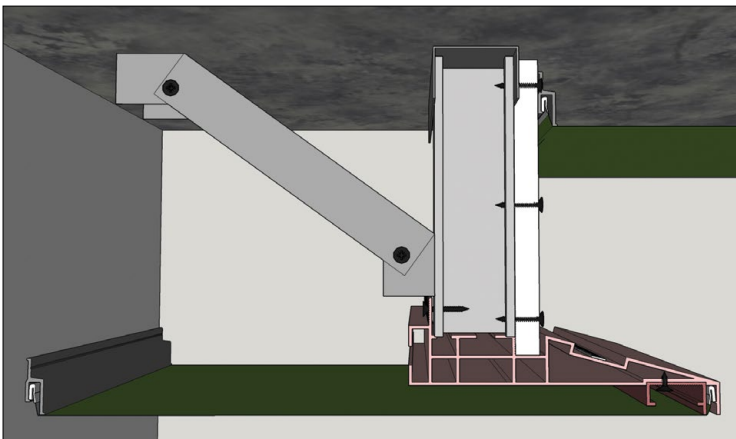


AL 25 white profile is multifunctional cornice system, which can be used with stretch ceiling or gypsum ceiling. LED stripes can be placed directly on the profile in 15 degrees angle from the horizontal line, diffuses its light on the ceiling. Side of the cornice is only 17mm which will stay visible. The profile is 167,1mm wide and is available in 2,5m and 5m lengths. AL25 profile minimum recommended fastening is after every 60cm with size 42mm gypsum frames by using screws, does need extra reinforcement with diagonals after every 100cm. When used with other gypsum frames the minimum recommended fastening is after every 40cm and diagonals after every 80cm. It is also possible to add gypsum on top of the profile, to prevent the light accessing backside of the ceiling and to finish the side of the cornice. AL25 profile can be used with EASY ACCESS system (EXPO harpoon) to provide access behind the stretch ceiling. Used also with MINI harpoon.

When used with gypsum board, then the gypsum board should be 12mm or 12,5mm thick, then you can hide screws with gypsum putty and add paint coating on the gypsum surface.

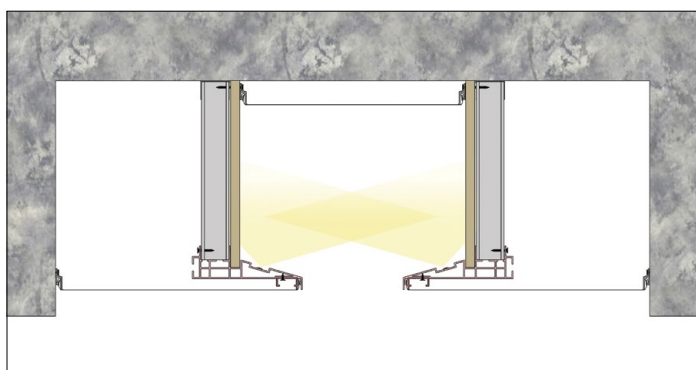
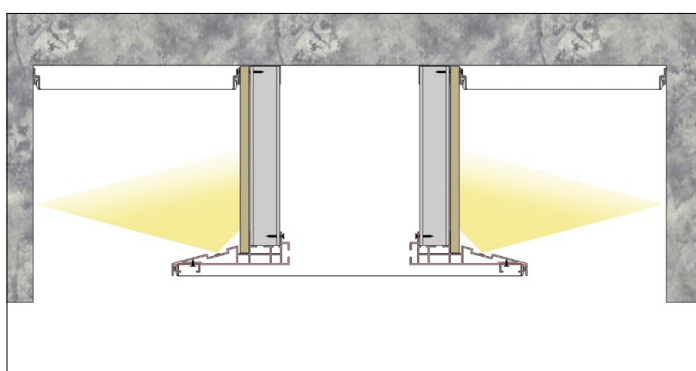
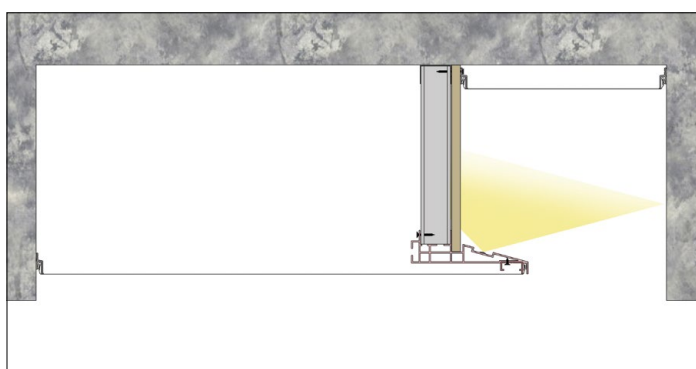
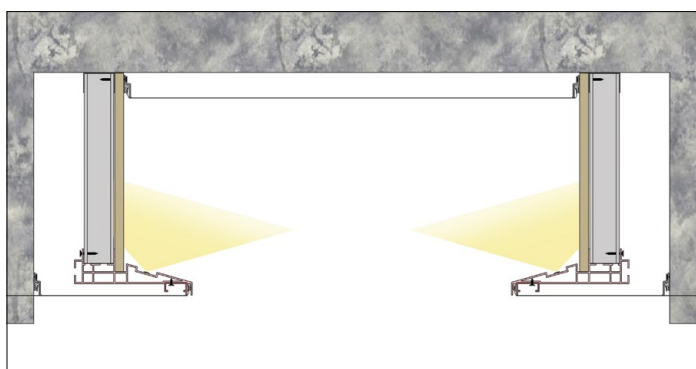
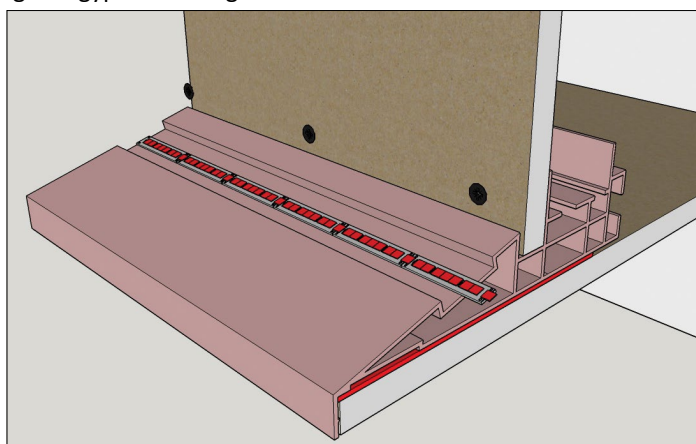
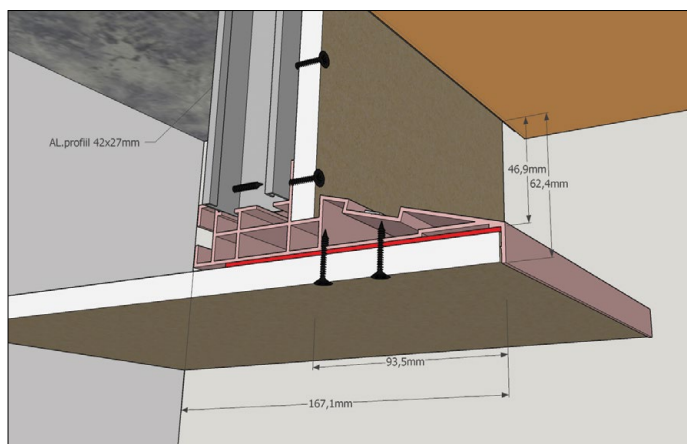
The profile can also be attached straight to the basic ceiling. Easy corner fixing with double LC01 corners.

### AL 25 used with stretch ceilings





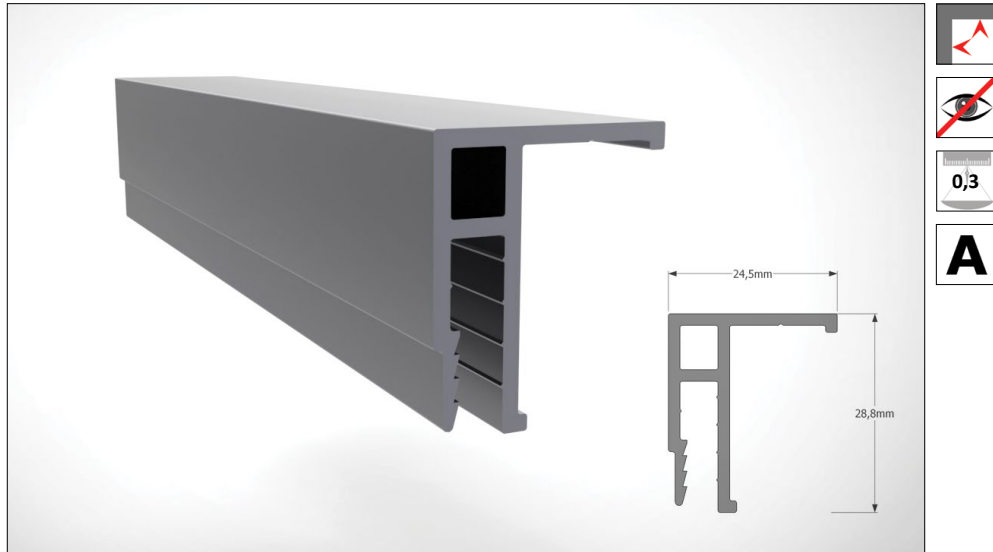
AL25 used with stretch ceiling and gypsum ceiling





## AL 26 A

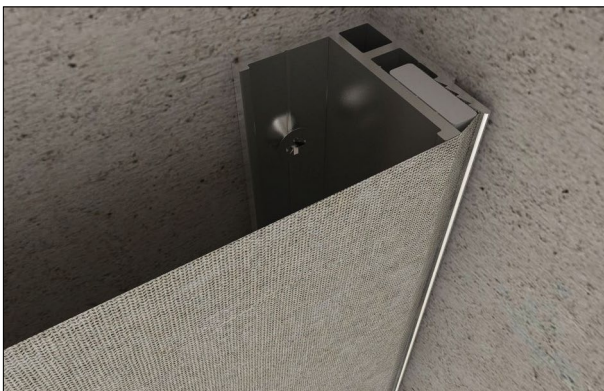
Aluminum universal profile AL 26 A for ceilings and walls. Used with MINI harpoon or EXPO harpoon (EASY ACCESS system)



Aluminum universal profile AL 26 A for installing stretch ceilings or textile ceilings to the wall or to the ceiling. Anodized profile is recommended to use in rooms with high humidity level. Can also be used outdoors and indoor rooms. Using the profile with MINI harpoon, it is necessary to add decoration strip PC03. Used with EXPO harpoon (EASY ACCESS system) no decoration strip needed. AL 26 A is available in 2,5m and 5m lengths. This profile can be used with stretch ceiling or with SAMBA and other textile materials.



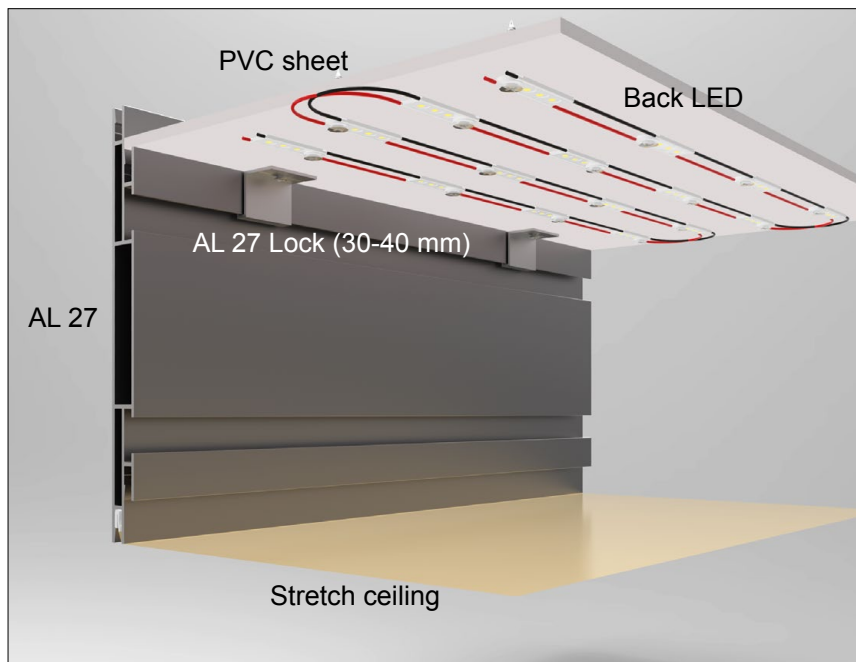
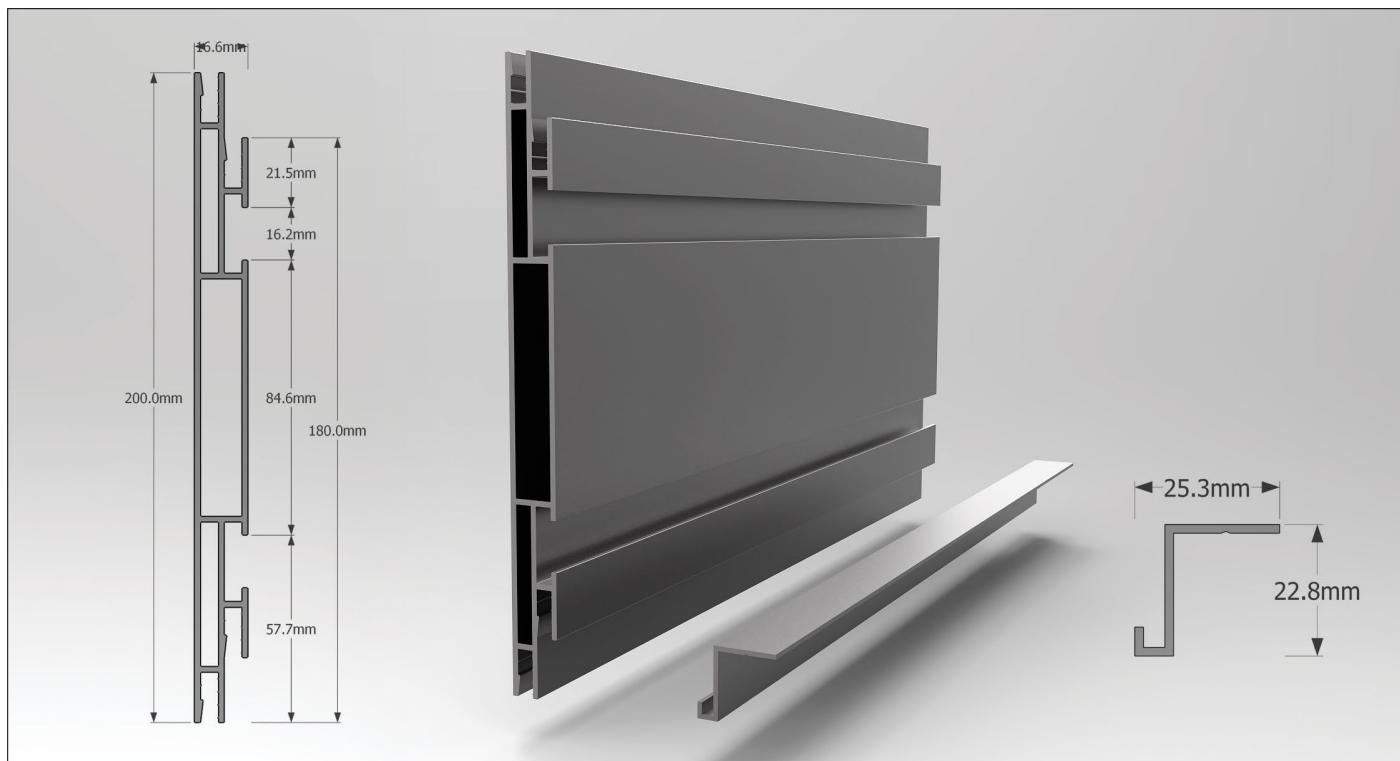
Aluminum universal profile AL 26 A for stretch ceilings with MINI harpoon. Used together with PC03



Aluminum universal profile AL 26 A for stretch ceilings and textile ceilings with EXPO harpoon (EASY ACCESS SYSTEM).  
Used without PC03.  
Maximum recommended size for EXPO harpoon stretch ceilings is 150cm x 200cm. Other sizes must be specified by the manufacturer.  
Not recommended to use for textile ceilings with EXPO harpoon, can be used for textile walls.

# AL 27+AL 27 Lock

AL 27 - Aluminum light profile 200x17 mm used with MINI harpoon or EASY ACCESS system



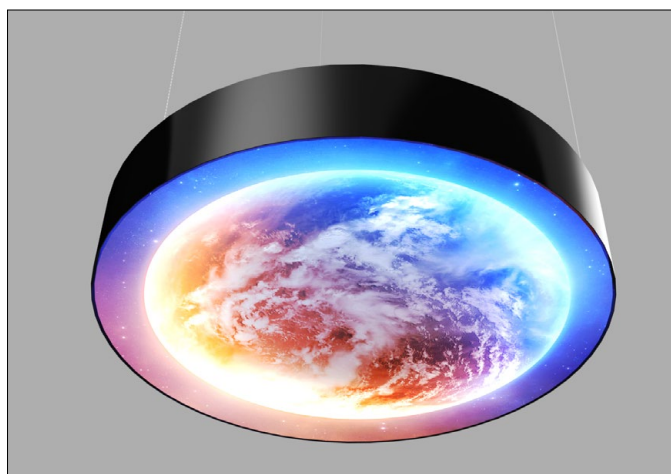
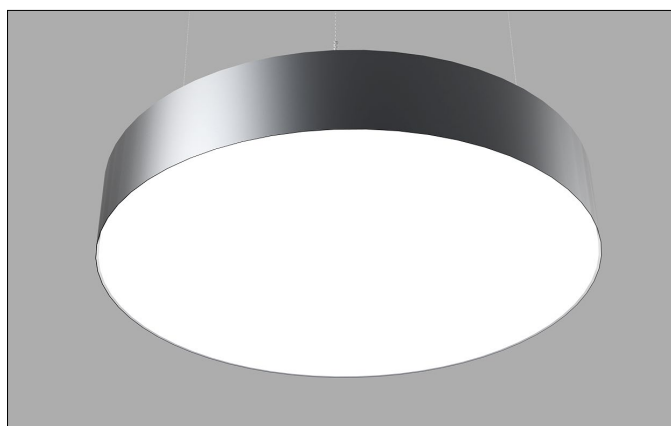
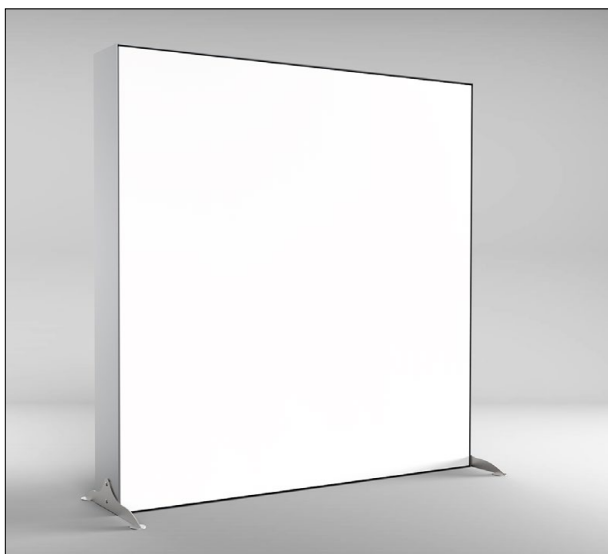
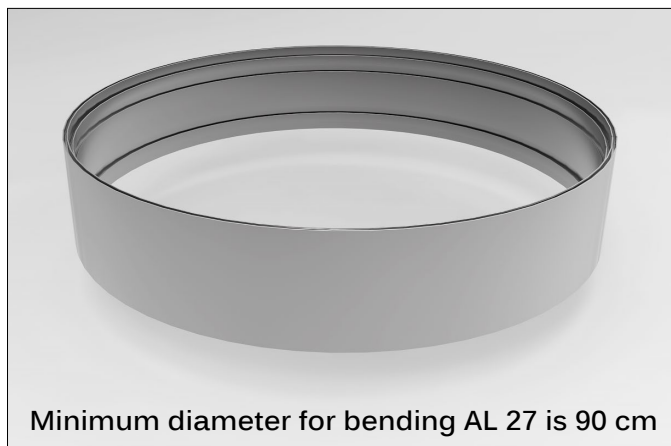
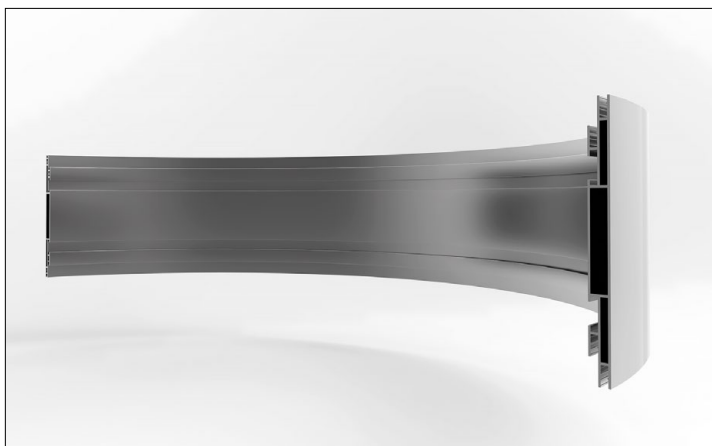
AL 27 + AL 27 Lock is multifunctional profile used for backlit ceilings, backlit walls, acoustic solutions and lamps. This profile was developed to create illuminated design without any shadows.

AL 27 Lock fits on different levels of the AL 27 profile and is used for holding backlit led lights on PVC sheet or to hold acoustic sheets.



Corner connecting using LC-02

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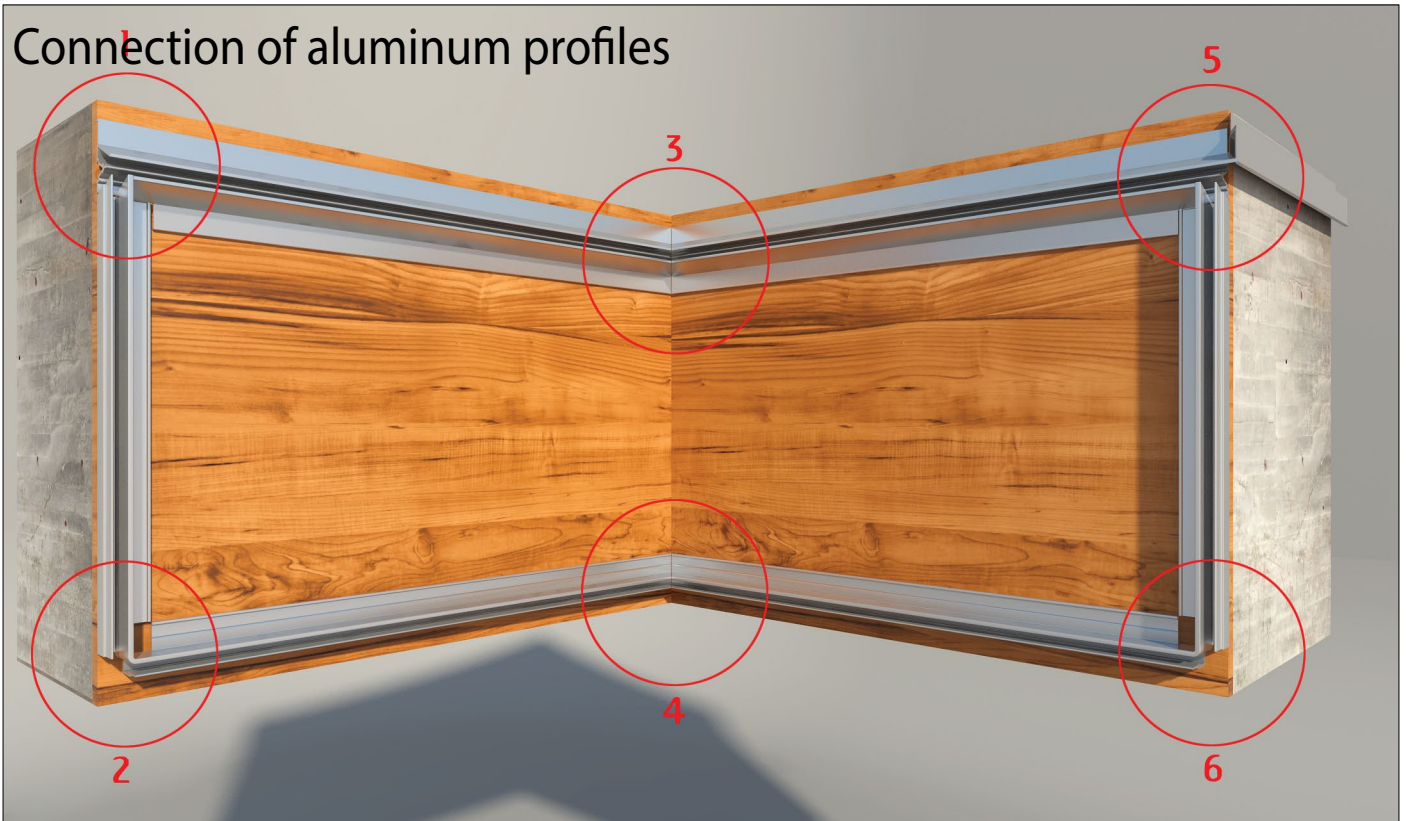


Standard profile length is 2,5m, special order 5m. Profile can be cut to any size and can be extended with easyfix LC-08 corners. AL 27 enables also bending and should be painted after curving. Profile can be used with EASY ACCESS system (EXPO HARPOON) or MINI harpoon.

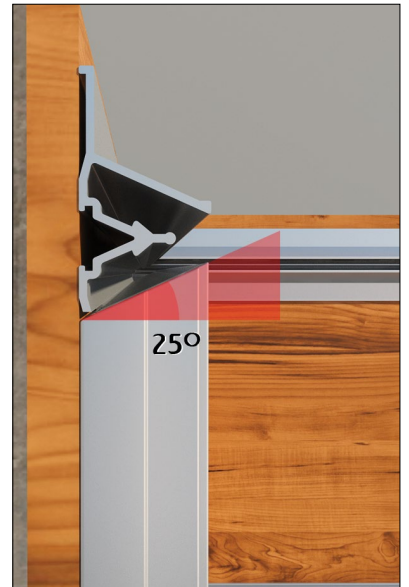




## Connection of aluminum profiles



1. AL 02+AL 03

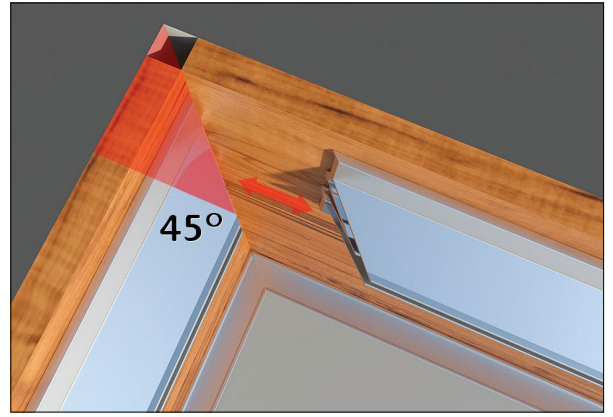
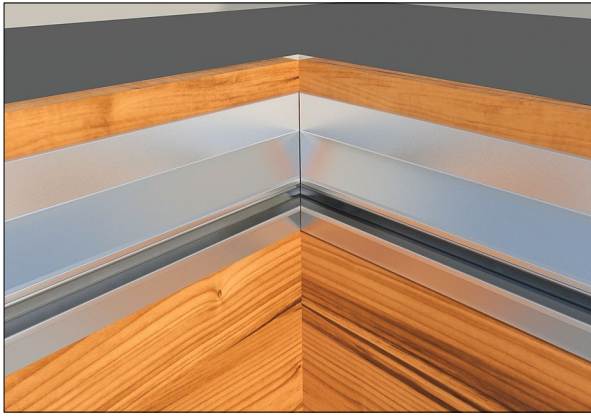


2. AL 02





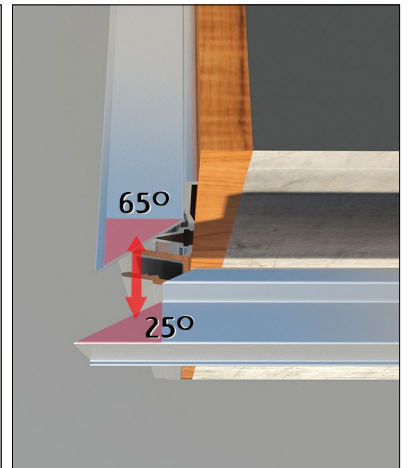
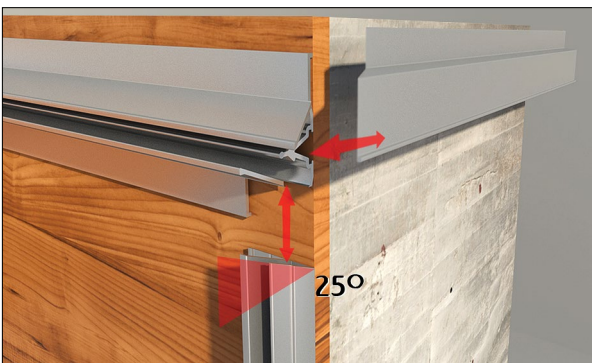
3. AL 03



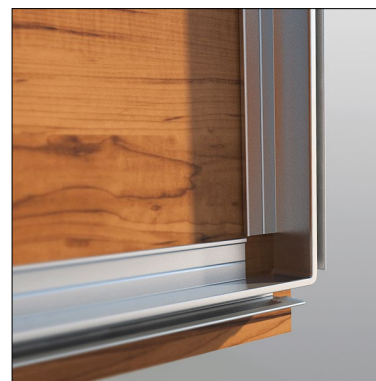
4. AL 02



5. AL 02



6. AL 02

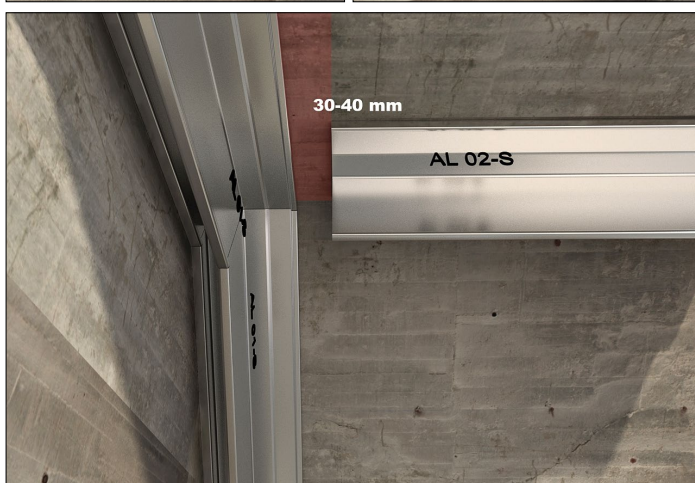
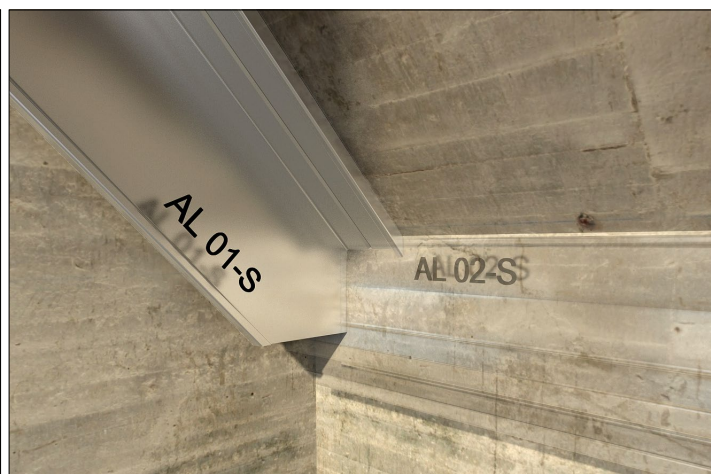
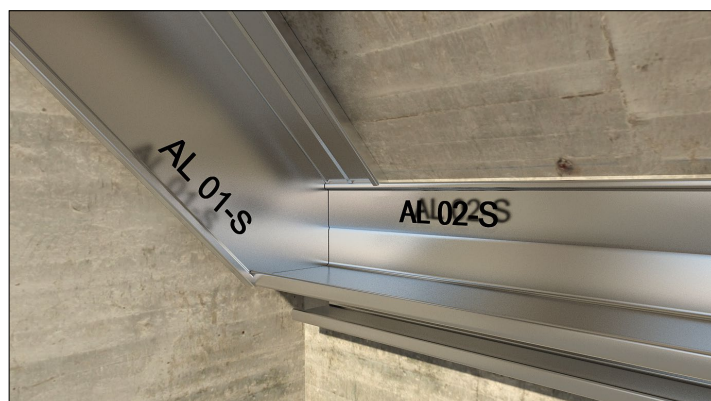






# AL 01-S + AL 02-S

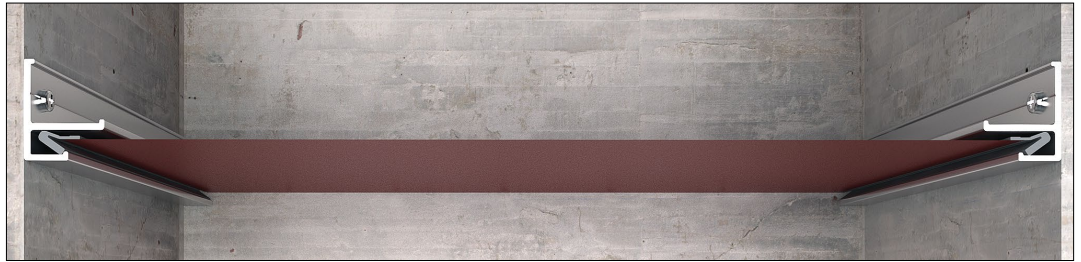
## Connection of aluminum profiles



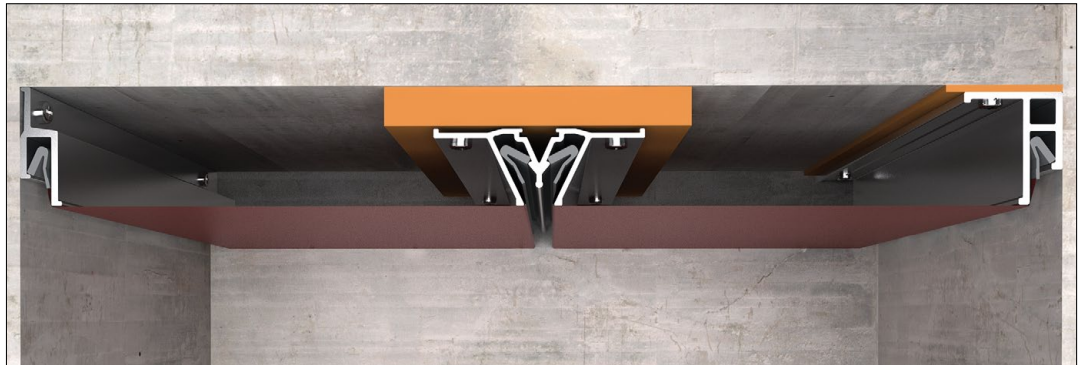


## Connection of aluminum profiles

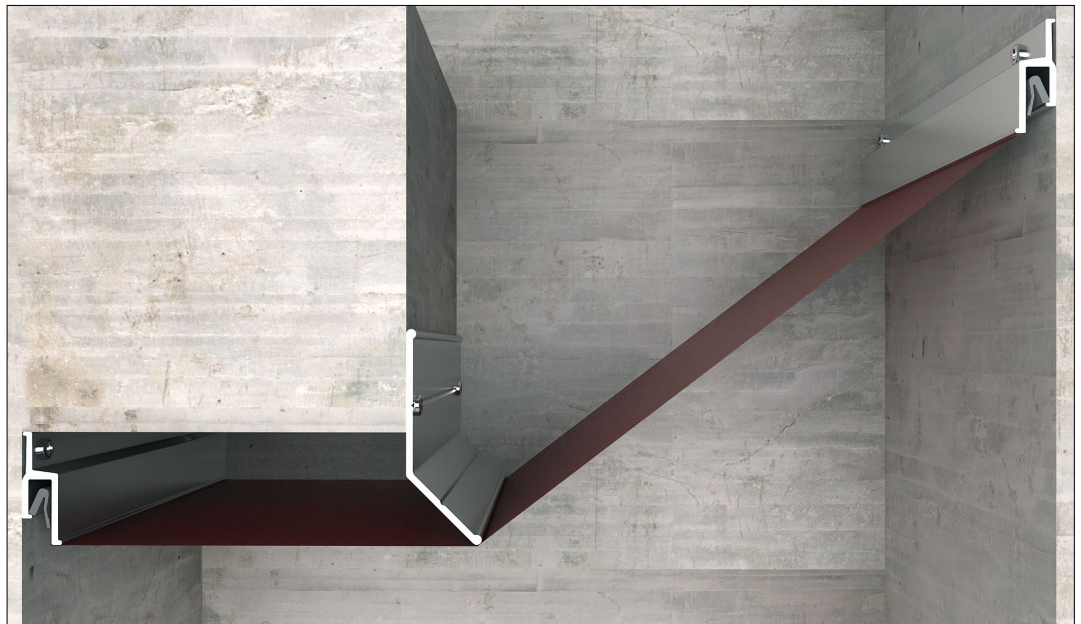
- Stretch ceiling connection with the profile AL 02 S



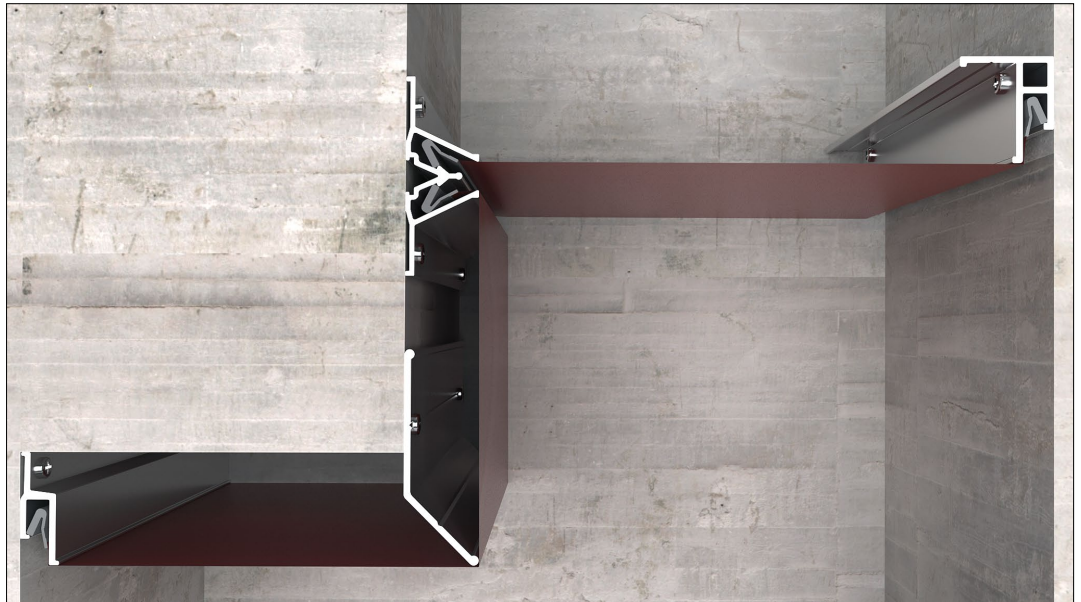
- Stretch ceilings connection with profiles AL 05, AL 03 and AL 01S



- Stretch ceiling connection with profiles AL 05 and AL 06A



- Stretch ceilings connection with profiles AL 05, AL 06A, AL 03 and AL 01S







- Stretch ceiling connection the profiles AL 05 and AL 01S



- Stretch ceiling connection with profiles AL 05 and AL 01S

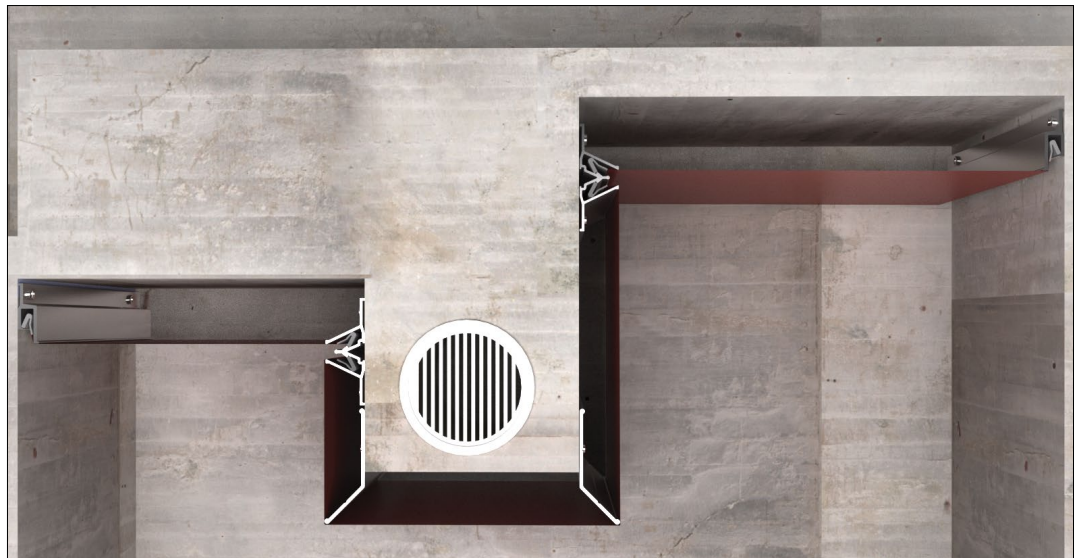


- Stretch ceilings connection with profiles AL 05 and AL 03

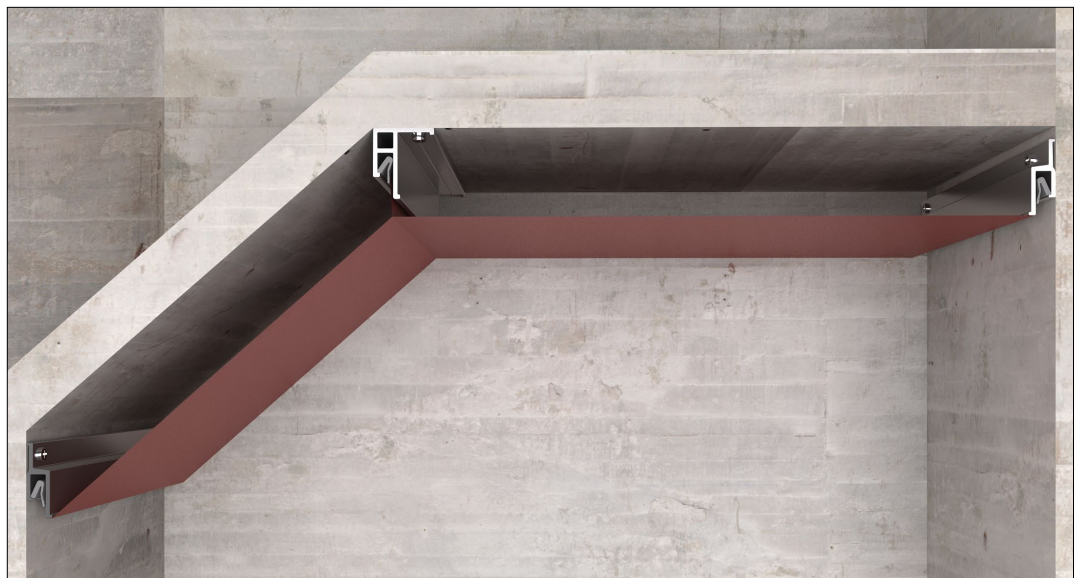


## Connection of aluminum profiles

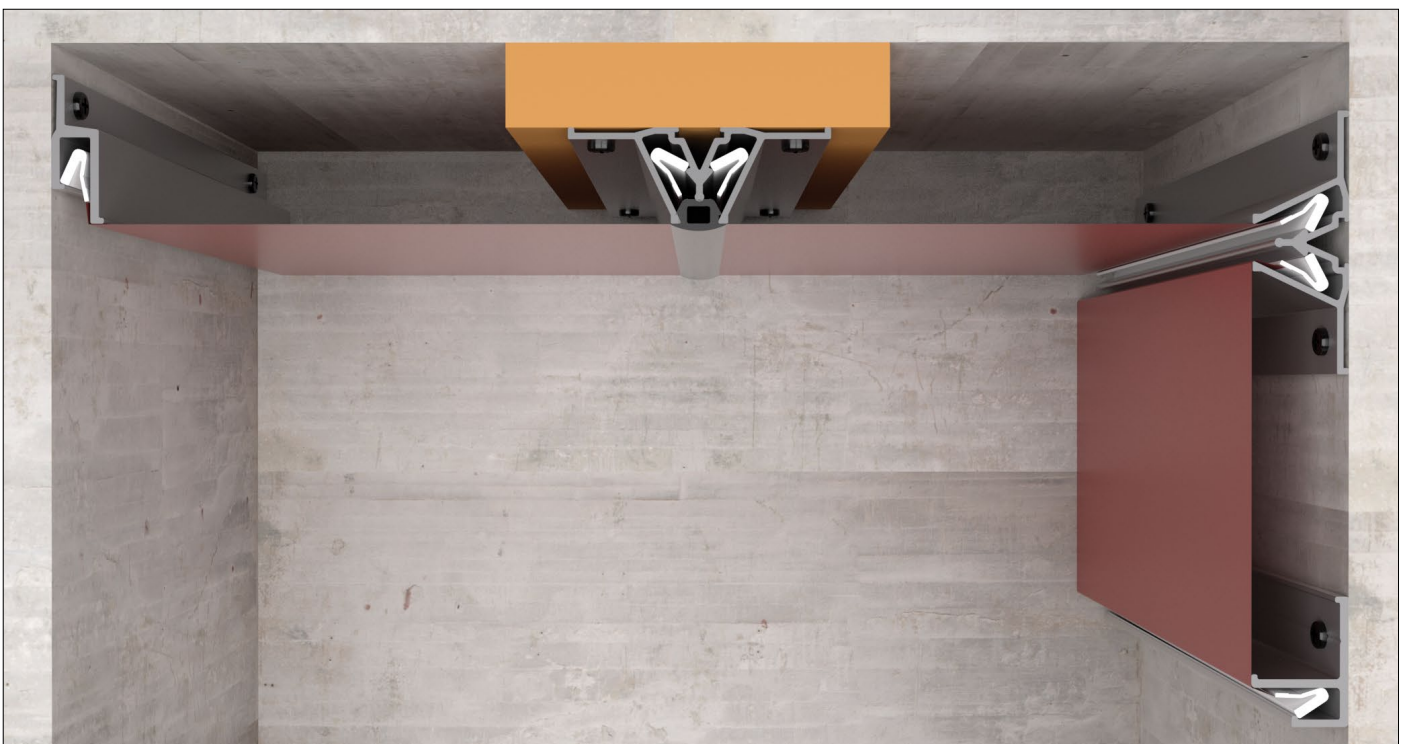
- Stretch ceilings connection with profiles AL 05, AL 03 and AL 06A



- Stretch ceiling connection with profiles AL 05 and AL 015



- Stretch ceiling connection with the profile AL 05 and AL 03







# TECHNICAL CATALOGUE 2018

The reliability of a licensed installer/representative



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