

TECHNOLOGY PREMIUM ART



TECHNOLOGICAL COLLECTION

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2D edition



Dear Colleagues!

We bring to your notice the second edition of the catalogue which we have

called "catalogue of structural solutions". The ready-made solutions will let the designers to implement new ideas on the basis of the stretch ceiling technology, and our structural elements will help the builders to facilitate the installation of the stretch ceilings. Some of the elements, presented in the catalogue, have traditional construction and some, such as the corner profile and the platforms for the spotlights, have been recently developed and patented in Russia and the EU.

We believe that cooperation with Saros Design Company will be joyful and productive.

Sincerely, director of Saros Design Company

Mikhail Baykov

How

A BRIEF OVERVIEW OF "SAROS DESIGN" CATALOGUES



The catalogue 'Premium' is the catalogue of textures and colors for the stretch ceilings.



The catalogue 'Art Collection' is the basic catalogue of images for the art-print which contains the main themes.



The catalogue 'Golden Art' copies of the ceiling paintings of famous palaces and museums, classical and biblical subjects, frescos.



The catalogue 'Décor Art' is the collection of ornaments in more than sixty pages.



The catalogue 'Unreal Art' is the collection of images in the manner of surrealism, fantasy, abstracts art.



The catalogue 'Sky Art'is dedicated to the topic which always attracts people – the sky.



The catalogue 'Vitrage Art' a bright, colorful stainedglass artwork designed for printing on the ceilings and on the glass.



The catalogue 'Paint Art' is dedicated to various kinds of painting: oil, watercolor, Chinese ink, pastel.



Information folder includes all Saros Design catalogues, the disc, which demonstrates the technology of stretch ceiling installation, a set of the certificates.





SINGLE-LEVEL ART-PRINTED STRETCH CEILING. THE DECORATIVE PANEL AND THE LUMINARIES ARE INSTALLED INTO THE STRETCH CEILING.



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THE SCHEME OF THE SINGLE-LEVEL STRETCH CEILING INSTALLATION



Several profile types are used in a single-level ceiling installation: 1. Visible profile (plastic) № 1

- 2. Invisible profile (plastic) № 2
- 3. Aluminum plafond profile № 3
- 4. Aluminum universal profile № 4
- 5. Aluminum mural profile № 5

THE TYPES OF PROFILE FOR THE SINGLE-LEVEL STRETCH CEILINGS



VISIBLE PROFILE № 1

INVISIBLE PROFILE № 2

ALUMINUM PLAFOND PROFILE № 3

UNIVERSAL PROFILE № 4

ALUMINUM MURAL PROFILE № 5





A SINGLE-LEVEL STRETCH CEILING. COMBINATION OF WHITE AND BLACK STRETCH CEILING MEMBRANES.









SEPARATOR PROFILE № 6

Two panels can be joined by using a separator profile. The separator profile №6 joins the panels forming a gap between them. The gap is covering by the ghost tape. The separator profile №18 complete with a special baffle rod allows joining the panels without gap formation.

Minimum height loss is 2 cm.

The joined panels can be also welded together, but only the usage of a separator profile allows you to create the straight joint line in the ceiling.



SEPARATOR PROFILE № 18



The separator profile is also necessary for the pillars rounding or for the large area ceiling installations in order to prevent the sag.

Using the pre-notched separator profile Nº6 you can join the panels of the stretch ceiling in any three-dimensional structures.

Stretch ceiling with the joined panels of different colors, including curved forms are the alternative to the multilevel ceiling.

PRE-NOTCHED SEPARATOR PROFILE № 6



MANSARD STRETCH CEILING

G H

DF



THE STRETCH CEILING WITH AN ART PRINT IS INSTALLED IN THE MANSARD. THE CORNICE LIGHTING IS USED.













SEPARATOR PROFILE № 6



CORNER PROFILE № 8

The ceiling installation in the attics requires the use of the plafond profile, the separator or the corner profiles.

The separator №6 and the corner profile № 8 are used if the crease edge of the mansard stretch ceiling in the attic is made by the joining of two separate sheets.

The plafond profile №3 is used in case of one single sheet installation in the attic room. This could be done by welding a "tie". The tie is an additional membrane sheet with a harpoon welded to it, which is fitted into the plafond profile. Another possibility is a pipe-shaped strip of the foil with a supporting rope inserted through it, which is fixed to the load-bearing elements of the room. Minimum height loss is 4 to 5 cm. The gap between the sheets is covering by the ghost tape.



MULTILEVEL STRETCH CEILING

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MULTILEVEL STRETCH CEILING. CORNICE LIGHTING, ART PRINT IS ON THE LOWER LEVEL.







A traditional way of the multi-level stretch ceiling installation implies a time-consuming process of the mounting of the special constructions (often plasterboard) where the stretch ceiling is fixed to.



Constructions made to order.

Saros Design is able to produce any structure according to the customer's design with the usage of the aluminum structural profile. This structure is easy to fix on-site, thus reducing the installation time.



CONSTRUCTION WITH THE APPLICA-TION OF CORNER PROFILE № 8



CONSTRUCTION WITH THE APPLICATION OF CONSTRUCTIONAL PROFILE № 16

CORNER PROFILE № 8 CONSTRUCTIONAL PROFILE № 16 The profiles for the installation developed by Saros Design experts can significantly reduce the installation time of multilevel ceiling, at the same time acting as a supporting structure and a stretch ceiling fixation.

With the help of ready-made profiles, multi level ceilings can be installed not only for the decoration purposes, but also can be used while rounding the beams, vent pipes and all kinds of communications.



VOLUMETRIC CURVED CONSTRUCTIONS



VOLUMETRIC CURVED CONSTRUCTIONS. COMBINATION OF TWO COLORS. COMBINED LIGHTING.







CORNER PROFILE № 8RN / № 8RV



CONSTRUCTIONAL PROFILE № 16RN / № 16RV



WALL BRACKET



CORNER PROFILE № 8N CONSTRUCTIONAL PROFILE № 16N



THE STORAGE ASSORTMENT TABLE OF THE CURVED PROFILE

Bending radius															
RV	RV07	RV08	RV09	RV10	RV12	RV14	RV16	RV20	RV24	RV28	RV32	RV36	RV40	RV45	RV50
RN	RN07	RN08	RN09	RN10	RN12	RN14	RN16	RN20	RN24	RN28	RN32	RN36	RN40	RN45	RN50
Bending radius															
Ri	700	800	900	1000	1200	1400	1600	2000	2400	2800	3200	3600	4000	4500	5000
Length of a full circle															
Lo	4,4	5,02	5,65	6,28	7,54	8,79	10,05	12,56	15,07	17,58	20,1	22,61	25,1	28,26	31,4
RV RN	— the ir — outer	nner rad	lius of th	ne bend		Ri –	- radius - the le	of curv	e, mm a full cir	cle m					

Special Saros Design software allows on the basis of the preliminary design of the customer to make an accurate calculation of the construction, set the bent radius, and determine the exact amount of the required profile.

Saros Design offers a range of prefabricated parts made of the corner profile, which is used as a load-bearing structure and as a profile for fixing the stretch ceiling.

- The set includes:
- 1. Corner profile № 8RV/RN (used as an upper part of the structure)
- 2. Structural profile № 16RV/RN (used as the base part of the structure)

The indicated profiles are delivered in 1 linear meter long pieces. The table indicates the standard radius of the prefabs, which actually can range from 700 mm to 5000mm. Please note that the curved structures could be bent either inward or outward (watch the scheme). The wall brackets are recommended to combine with the corner and the structural profiles and to mount the entire structure to the basic ceiling.

If you need to install more complicated (non-standard) structures, we can offer you the pre-notched corner and the structural profiles (Corner track № 8N, Structural profile № 16N) to facilitate mounting on site to the required configuration. The length of the pre-notched profiles is 2.5 meter pieces. Notch to notch span is 15mm.

Special Saros Design software allows on the basis of the preliminary design of the customer to make an accurate calculation of the construction, set the bent radius and determine the exact amount of the required profile.



THREE-DIMENSIONAL CURVE CONSTRUCTIONS



WAVE-SHAPED METAL STRUCTURES. THE SPOTLIGHTS ARE INSTALLED INTO THE STRETCH CEILING. THE METAL STRUCTURE IS COVERED WITH THE STRETCH CEILING MEMBRANE.





HARPOON' PROFILE

<u>CORNER PROFILE №8</u>

A wave-shaped stretch ceiling could be installed by using the prefabricated profiles for the curved shapes (see p.11 for the bended structures). These profiles are fixed to the existing ceiling with the aluminium structural profile. The stretch ceiling is fixed into the invisible profile N2 where the upper edge is pre-notched thus enabling it to be shaped to any configuration. Using this profile you can do the volumetric curve structures even with the bend radius under 200mm and without any visible steps.



UNIVERSAL PLATFORM FOR THE SPOTLIGHTS



PLATFORM FIXATION TO THE RACK





WITH A SCREW

BENDING OF THE BRACKET

The purpose of the universal platform is to fasten the spotlights installation to the load bearing elements of the room. This platform allows installing the spotlights with the outer diameter of the mounting ring in interval from 55 to 125 mm by simply cutting out a ring of the required diameter. The universal platforms are produced in 3 types:

D60-110 - with the rings diameter from 60mm to 110mm at 10 mm. interval.

D65-115 - with rings diameter from 65mm to 115mm at 10 mm. interval.

D55-125 - with rings diameter from 55mm to 125mm at 5 mm. interval.



1. Installation of the profiles and the universal platforms for the spotlights. 2. Wiring works.



3. Installation of the stretch ceiling.

- 4. Glue-fixing of the thermal rings to the stretch ceiling membrane.5. Cutting the holes for the spotlights.6. Installation of the spotlights.



BUILT-IN SPOTLIGHT PLATFORM RACK UNIVERSAL PLATFORM PROTECTIVE THERMAL RING MEMBRANE OF THE STRETCH CEILING

CUTTING THE PLATFORM TO THE NECESSARY SIZE OF THE SPOTLIGHT



In order to fit your spotlight into the platform, you need to choose the necessary diameter of the platform groove. Use a knife to cut the platform through along the groove and remove the smaller diameter sections - "steps".

The stepped structure of the universal platform minimizes the contact area with the stretch ceiling membrane. It will help to install the platform better so it will not be seen through the stretch ceiling.





CORNICE LIGHTING INTEGRATED IN A STRETCH CEILING INSTALLATION



CORNICE LIGHTING. A CURVED CEILING STRUCTURE IS COMBINED WITH THE CORNICE LIGHTING SYSTEM.

INVISIBLE PROFILE № 2



The installation of the stretch ceiling in case of the cornice lighting requires the installation of bearing structure.

Generally, the bearing structure is made to order, or may be collected directly on site on the basis of the constructional profile № 16 (straight or curved elements).

The fluorescent lamps, neon tubes or LED strips are used as the light source.

It must be remembered that the light sources should not be seen after the installation of the stretch ceiling. An important aspect is the prevention of radiographic inspection of the structure through stretched ceiling membrane when the lights are on. The minimum height loss of the cornice lighting is 5 cm.







THE SIMPLEST CONSTRUCTIVE SOLUTION - A STUNNING EFFECT



MULTI-LEVEL STRETCH CEILING. THE CEILING MOLDING IS INSTALLED OUTSIDE THE STRETCH CEILING.





THE SCHEME OF CEILING CORNICE INSTALLATION



The light, gently falling on the curtains, can serve as an original addition to the interior design. Besides the aesthetic appeal, this decision will help to avoid such technological complexities as a circumvention of heating pipes, ducts and small angles, which are often found near window. There is also no need to install a hard mount to the stretch ceiling cornice. All these elements are out of the stretch ceiling, and masked by it.

These schemes of stretch ceiling installation with the cornice lightning allow not only to decorate the room but also hide different technical details.

Minimum height loss of the room is 3,5 cm.



LIGHTING INSTALLATIONS IN THE STRETCH CEILINGS



LIGHTING INSTALLATIONS. METALWORK FRAMESET IS COVERED WITH THE STRETCH CEILING MEMBRANE. THE CORNICE LIGHTING IS USED.







DUST AND DEBRIS

PROTECTIVE TRANSPARENT FOIL

Lighting schemes for the stretch ceilings can be realized by using the double profile № 9. Both stretch ceilings are installed into it, one of which (the lower one) is a translucent light diffusing foil, while the upper one is necessary to protect the lower one from contamination by unwanted particles such as dust, debris, flies, which could create shadows and darken certain areas of the lower ceiling sheet.

THE MAIN TRANSLUCENT MEMBRANE OF THE STRETCH CEILING

DOUBLE PROFILE № 9



LIGHT CONSTRUCTIONS-READY-MADE SOLUTIONS



LAMP 'STRATUS'. THE TRANSLUCENT MEMBRANE SERVES AS A DISPERSING ELEMENT IN THE LAMP.





CONSTRUCTIONS OF THE LAMPS

«Stratus»

«Cleaver»



«Taiko»





Product code	Power	Dimensions	Weight		
stratus 2400	350	1200 х 2400 мм	35,3		
stratus 3000	600	1500 х 3000 мм	50,9		
klever 1500	280	1616 х 1491 мм	23,5		
tayko 1200	252	D = 1243 мм	16		
tayko 1500	322	D = 1543 мм	21		

The creative lamps 'Stratus', 'Taiko', 'Cleaver' are indented to illuminate the rooms of different interior, in design of which an unusual object has to be entered. These lamps are 'ready-made lighting constructions', easily adapting to any interior, they may be the center of interior composition, as well as the main source of light in the room.

The construction of lamps represents a metal frame of wave-like or cylindrical shape, sewn on the side of the membrane by the metal.

The fluorescent lamps of desired color are used as the light source. The lamps construction provides an easy access to the lamps if necessary to replace them.

The translucent membrane of the stretch ceiling serves as a diffuser in the lamps, which ensures the uniformity of illumination. At the same time on the light projection PVC foil any full color image can be applied by using UV-print. Inside the lamp the additional protective membrane made of transparent PVC foil is installed. To fix the stretch ceiling panels, at the lower contour of the lights the double aluminum profile is mounted. The fixation of the lamps to the main ceiling is carried out by using the special system of mortgages which allow to install them to the covering or on the racks with the help of the ropes.





PERFORATION. SINGLE-LEVEL STRETCH CEILING MADE OF MICRO-PERFORATED PVC FOIL

A SOUND WAVE THAT HAS LOST MUCH OF

SAROS DESIGN COMFORT STRETCH CEILING A SOUND WAVE FROM THE SOURCE

THE TRANSFORMATION OF THE SOUND WAVE ENERGY INTO

Stretch ceilings SAROS DESIGN SOMFORT is an easily producible way to create acoustic comfort in the room on the basis of a new line of perforated materials, while maintaining an attractive appearance typical for stretch ceilings.

The sound waves from a source located in the room are partially absorbed through the holes in perforated stretch ceiling SAROS DESIGN COMFORT. Air in the pores of the stretch ceiling offers resistance to the initial sound wave partially transforming it into heat and reducing its power. Air in the ceiling void provides additional resistance to the sound. Further vibrations of the reflected sound waves are absorbed by stretch ceiling thereby ensuring the reduction of the reverberation time in the room.

PERFORATION OF SMALL DIAMETER



Key Features:

- diameter of the hole = 0,1 мм
- the distance between adjacent holes a = b = 2 MMnumber of holes in 1 square meter = 250 000
- foil thickness 0.17 мм

THE MAIN CHARACTERISTICS OF ACOUSTIC STRETCH CEILINGS OF MICRO-PERFORATED PVC FOIL MADE BY SAROS DESIGN

Characteristics	The ceiling of micro-perforated PVC foil	Stretch ceiling of micro-perforated PVC foil with additional usage of a sound-absorbing layer
Coefficient of sound absorption $\alpha_{\!\omega}$	α_{ω} = 0,30 - 0,40	α_{ω} = 0,85
Sound absorption class	D (absorbing)	B (maximum absorbing)

The tests, measuring the acoustic characteristics in the living room, carried out by our request showed that installation of SAROS DESIGN COMFORT stretch ceiling, made of micro perforated PVC foil, reduces the reverberation time in the room and creates comfortable acoustic conditions.

In most cases, for the insurance of good noise absorption in the room, the simple installation of SAROS DESIGN COMFORT stretch ceiling is enough. At the same time, it is advisable to make the height of the ceiling void at least 10 cm.

If the purpose of the room requires a higher level of noise absorption, we recommend using additionally the sound-absorbing materials. The joint use of sound-absorbing materials and acoustic stretch ceilings (the ceiling canvas acts like a membrane) increases the sound-absorbing class of the ceiling (up to the 'B' level - the most absorbing).



The reverberation time is the time for which the density of the sound energy in the room is reduced to one-millionth part of its initial value after the turnoff of the sound source, i.e. is reduced to 60 dB. The longer the reverberation time is, the less energy is absorbed by the materials and dispersed. The strong reverberation of the sound leads to the multiple superposition of reflected waves on one another, creating the 'multiple echo' effect. And filled, absorbing the sound room will result in that good music and man's talk will sound indistinctly and lifeless.



PERFORATION OF LARGER DIAMETER-ADDITIONAL OPPORTUNITIES



PERFORATION. LIGHT CONSTRUCTION WITH STRETCH CEILING OF PERFORATED PVC FOIL.





PERFORATION OF LARGE DIAMETER



Installation of SAROS DESIGN COMFORT stretch ceilings with perforation of large diameter (1.3 and 1.8 mm) allows you to arrange all engineering systems (ventilation, fire extinguisher system) in the ceiling void.

Installation of stretch ceilings made of perforated foil in public buildings solves another important issue - the "movement of

stretch ceiling" ('inflation', or "absorption"), which occurs due to the hit of the air masses into the ceiling void. Since the diameter of the holes in these types of perforation is greater than in micro-perforated PVC foil, they do not perform an independent acoustic function. However, with the additional use of acoustic panels, perforated ceilings of large diameter provide sound comfort.

Perforated PVC foil allows realizing the unusual design concepts and discovers new possibilities in lighting sphere.

By placing a light source in the ceiling void you can achieve an unusual visual effect. As addition to the total consruction we can use light-diffusing canvas between the light source and the perforated ceiling. At the same time the diffused light passes through the holes and the light source becomes invisible.

All fluorescent lamps, as well as LED strips and panels, can be used as the light source. Special lighting effect is achieved by using RGB strips.





EXCLUSIVE SOLUTIONS: STARRY SKY



THE "STARRY SKY" CEILING COMBINED WITH A PLASTERBOARD STRUCTURE.





PSM 01 projector with optical fibers

THE SCHEME OF "STARRY SKY" INSTALLATION



The "Starry sky" effect is achieved by using the fiberglass lighting technology. In this case light is emitted by a projector with a fiberglass cable attached to it via a dedicated connector. The fiberglass serves the aim of providing directional, accent and ambient lighting, possibly in combination with the decorative end-bits (crystals, lenses and luminaries). 1. In this case the stretch ceiling membrane is perforated after stretching with optic fibres dragged through the perforations.

1. In this case the stretch ceiling membrane is perforated after stretching with optic fibres dragged through the perforations. The fibres are glued on the reverse side of the membrane and then cut leaving approximately 1 to 2 mm left on the "outside". In the case of installing some decorative end-bits, a back-up support item is fixed on the stretch ceiling membrane for each such bit. Decorative end-bits are installed in the same way as the spotlights with a bunch of optical fibres being lead to each crystal.

2. This "Starry Sky" effect is efficient to use when you need to create a certain design (i.e. constellations etc.). The required pattern is transferred on the intermediate false ceiling sheet which is later installed into the double profile №9. Then it is perforated according to the pattern with the optical fibres being inserted through the perforations and glued to the reverse side of the false-ceiling sheet leaving loose ends of 5 cm. Finally, the main ceiling membrane is stretched. The film thickness in this case must not exceed 0.17 mm. The technique is applicable for all lacquered, satin and some of "style" finishes.

Such installation of the "Starry Sky" considerably makes the ceiling more charming especially with the lights off, as it helps to avoid a perforation of the main stretch ceiling membrane.

The LED projector developed by Saros Design uses ultra-bright LED as a source of light contrary to the similar products which are equipped with the metal-halide lamps. As a result, the PSM-01 projector is energy efficient, doesn't heat up, and does not require a dedicated cooling air recirculation system. Absolutely noise-free. The twinkling effect is achieved through electronic modulation of LED groups' brightness. Projector's average life is 50000 hours of continuous work.



BRIEF DESCRIPTION OF THE PRODUCTS





VISIBLE PROFILE № 1

Application: fixing the stretch ceiling membrane to the walls and any other vertical surfaces. Screw span – 8 to 10 cm. Visible part – white semi-matte. Width – 26mm. Such profile is used with a visible harpoon. A ghost tape is not

necessary. Minimum plenum height – 3 cm. The straight and the corner spatulas (trowels) along with the straight and the corner drag-bars are used for the stretch ceiling installation to the visible profile.

The profile material is PVC. Delivered by 3 lin. m. pieces.





INVISIBLE PROFILES № 2

Application: installation of the stretch ceiling membrane to the walls and any other vertical surfaces. It goes over the cavity of the wall. Screw span - not more than 10cm.

There are two types of such profile. Invisible profile №2a has clamp threads located on one (outer) side for a ghost tape. It makes possible to use the ghost tape № 10, 11, and 13. The profile № 2b has an additional screw fixing groove and clamp threads for the ghost tape on both sides; it allows to use any

type of the ghost tape.

Delivered by 2.5 linear m. pieces.





PLAFOND PROFILE № 3

Application: installation of the ceiling membrane to the basic ceiling and to any other horizontal surfaces. Screw span – 20 to 30cm. Minimum plenum height – 2cm. The gap between the membrane and the wall is covered with the ghost tapes № 10, 11, 13.

Installation tool – a straight spatula. Profile material – aluminium. Delivered by 2.5 linear m. pieces.





UNIVERSAL PROFILE № 4

Application: installation of the ceiling membrane to any vertical and horizontal surfaces. It is rigid and allows the screw span of 50cm for all installations. Minimum plenum height – 3cm. The gap between the ceiling and the wall is covered with the ghost tapes № 11, 12 and 13.

Installation tool – a straight spatula. Profile material – aluminium. Delivered by 2.5 lin.m. pieces.





MURAL PROFILE № 5

Application: installation of the ceiling membrane to the walls and any vertical surfaces. It is enough rigid, keeps shape irrespectively of the wall's inequalities. Screw span – 15 to 25cm. Minimum plenum height – 3.5cm. The gap between the ceiling and the wall is covered with the ghost tape.

Installation tool – straight spatula. Profile material – aluminium. Delivered by 2.5 lin.m. pieces.





SEPARATOR PROFILE № 6

Application – joining two sheets of the ceiling, rounding the pillars, installation of the large area ceilings. Minimum plenum height – 2cm. The gap between the wall and the ceiling is covered with the ghost tapes № 14 and 15. Installation tool – a straight spatula. Profile material – aluminium. Delivered by 2.5 lin.m pieces.





Application - joining two sheets of the ceiling, rounding the pillars, installation of the large area ceilings. Separator profile № 18 in a set with a special baffle rod allows to carry out the joining of the sheets without crack formation. Installation tool – a straight spatula.

Profile material – aluminium. Delivered by 2.5 lin.m pieces.

SEPARATOR PROFILE № 18

CORNER TRACK № 8

Application – joint of two sheets at the corners, round the beams and installation of the multi-level structures with the different configurations. The whole structure consists of two parts – the base and the supplementary one, which are clipped together on site. The track can be mounted on any surface with the use of wall brackets. Mounting is facilitated by a special groove for screws on the back side of the track.

Minimum plenum height - 4cm.

The gap between the ceiling and the wall is covered with the ghost tape № 15.

Installation tool – a straight spatula. Profile material - aluminium. Delivered in 2.5 lin.m pieces.

Application - installation of the curved ceiling sheets; installation of multi-level structures with different curve forms. Pre-notched on the reverse side to facilitate smooth bending on site. Notch span – 15mm. Delivered in 2.5 lin.m pieces.

CORNER TRACK № 8N

Structural profile № 16 RV/ № 16RN

These profiles are delivered in 1 lin.m pieces. The table indicates the standard radius of the prefabs. Minimum radius of the curve prefabs - 700 mm, max radius of the curve prefabs is 5000 mm. The curve structure could have either inward (RV) or outward (RN) bend. The chart of the curve prefabricated parts we have in

our warehouse (see the page 12).

CORNER TRACK № 8 RV / RN STRUCTURAL PROFILE № 16RV / RN

DOUBLE PROFILE № 9

Application: installation of the volumetric stretch ceiling with the light sources as well as "starry sky". Allows to install two membrane sheets.

Installation tool - straight and corner spatulas, straight and corner draw-bars.

Profile material – aluminium. Delivered in 2.5 lin.m pieces.

installations. Pre-notched for easy installation on site. Notch span – 15mm. Profile material – aluminium. Delivered in 2.5 lin.m pieces.

STRUCTURAL PROFILE № 16N

Application: Is used for the spotlights installation to the load bearing elements of the room. Suitable for luminaries with the linkage dimensions from 55 to 115 mm.

Produced in the following types:

D60-110 – with rings diameter from 60 to 110mm with an interval of 10mm.

- D65-115 – with rings diameter from 65 to 115mm with an interval of 10mm.

- D55-125– with rings diameter from 55 to 125mm with an interval of 5mm.

UNIVERSAL PLATFORM D55 – 125

> All the tapes are produced from high quality plasticized PVC. Used to mask the gap between the ceiling membrane and the wall or between two sheets of the ceiling installed into the separator. Colour - White semi matt. Delivered in coils of 50 lin. m min.

GHOST TAPES

Protective thermal ring is designed to strengthen the holes in the stretch ceiling while installing the spotlights and to protect the foil of the stretch ceiling from overheating.

Made of transparent polycarbonate. Thermoresistant, melting temperature is 330°C. Thickness of the rings - 2mm. In case when the height of a side lamp exceeds thickness of thermal ring, we recommend using several thermal rings depending on the height of a side lamp. We have the following sizes: 55 - 120mm in increments of 5mm. Package - 50 pieces.

PROTECTIVE THERMAL RING

The LED projector uses ultra-bright LED as a source of light contrary to the similar products which are equipped with the metal-halide lamps. It achieves very low energy consumption. Advantages:

- Long life. Over 50000 hours of continuous work.
- Absolutely noise-free.
- Compact and lightweight.
- Low heat generation.
- Remote control.
- Twinkling rate control.
- Allows for 700 "stars" in one installation.
- Size: 163x75x72mm.
- Weight 0.7 kg.
- Power supply: 220V, 50Hz AC. Energy input <15Wt.

FIBREGLASS KIT

Application: Installation into the stretch ceiling for the "Starry sky" effect.

Standard kit includes fibreglass pre-cut in lengths according to the chart (see below) and assembled in one bunch for easy connection with the projector. Custom-made sets could be produced, including up to 700 fibres of any length per bunch. Fibre diameter – 0.75mm.

Saros' experts have developed the special technique for joining the fibres in a bunch which can prevent any light losses at the fibreglass-projector joint unit.

The chart below shows the characteristics of the most commonly used fibreglass sets for the "starry sky" effect.

Multi-color LED projector "starry sky" RGB allows you to connect additional LED lighting elements and it has 39 programs of decorative lighting effects. This projector has no analogues. Advantages:

- Long life. Over 50000 hours of continuous work.
- No noise.
- 39 programs all operated with the single hand held remote control
- Simple operation without moving parts
- Extra plug in for special LED elements
- Allows to use the complete sets of fiber optic up to 700 "stars"
- Compact and light weight: 100x100x230 mm, 1 kg
- Power supply: 220V

THE TABLE OF THE STANDARD FIBERGLASS SETS

	Quantity of the	Fiber	Quantity/length of the fibers in the set							
Article	stars		2,5 м	3,0 м	3,5 м	4,0 м	4,5 м	5,0 м	6,0 м	
СК 0,75 - 150	150 «stars»	СК 0,75	50	50	50					
CK 0,75 - 200	200 «stars»	CK 0,75		50	50	50	50			
СК 0,75 - 250	250 «stars»	CK 0,75		50	50	50	50	50		
CK 0,75 - 300	300 «stars»	СК 0,75		50	50	50	50	50	50	

WE OFFER THE SUMMARY CHART ABOUT THE USAGE OF THE DIFFERENT TYPES OF THE PROFILES IN THE COUNTRY HOUSES OR THE CITY APARTMENTS FOR YOUR REFERENCE

This catalogue gives the ideal opportunity to familiarise with the stretch ceiling installation technique and could be a great visual aid for both your installers and customers.

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