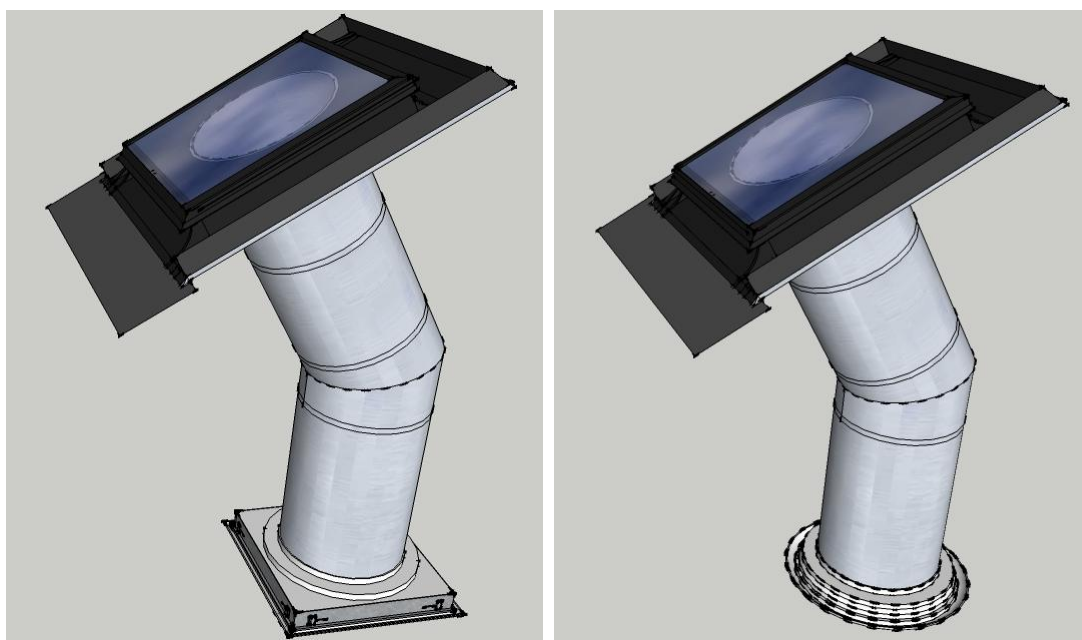


Installation instruction for

SUNIZER™

Pitched roof



WWW.SUNIZER.CZ

Important notices:

The tube of the Skylights contains technical silver which is varnished. During the montage is important to avoid contact with superreflective surface. It also can not be mechanically not even chemically cleaned. Main part of the tubus is produced from Aluminium sheet, which corrode in contact with substances including cement. Entrust the installation a specialist!

On product are sharp edges and includes small parts – Avert contact with children.

Installation of the electrical accessories entrust a specialist with competence in the field of electro.

To use the warranty is needed to follow the installation instruction. Actualization and instruction in full extent can be found on <http://www.abcweb.cz/ke-stazeni/p163>

Warranty on Sunizer: System 10 years
Reflectivity of the tubus 25 years
Elektrical components 2 years

Content:	Site:
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Installation of the input part with the polygonal dome.....	7
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SUNIZER – set of basic components for pitched roof

ROOF SKYLIGHT

ENTERING PART

PIPELINE 410

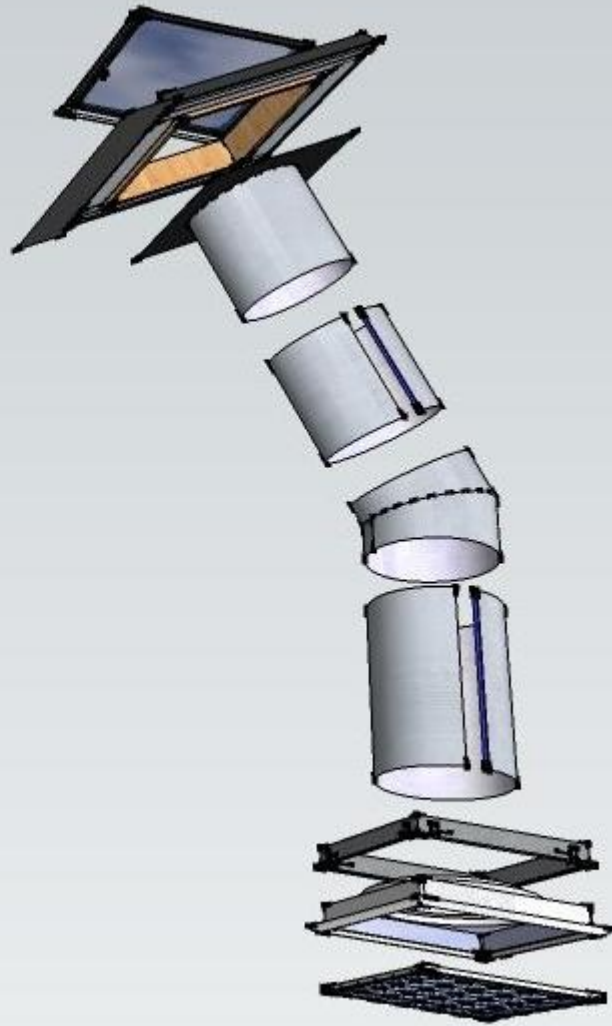
JOINT

PIPELINE 620

STEEL FRAME

CORPUS OF DIFFUSER

FRAME WITH FRSNEL LENSES



Note: set with round diffuser doesn't include a steel frame

Parts of the basic sets:



Screw SDK big

Screw SDK small

Screw with rubber gasket big

Screw with rubber gasket small (only for polygonal domes)

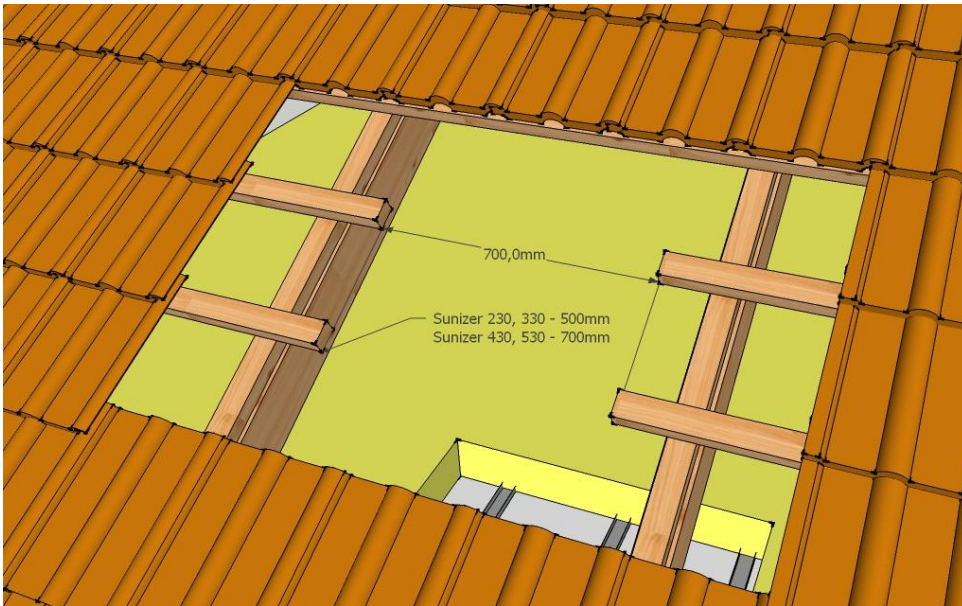
Screw with pad

Screw TEX

Aluminium tape

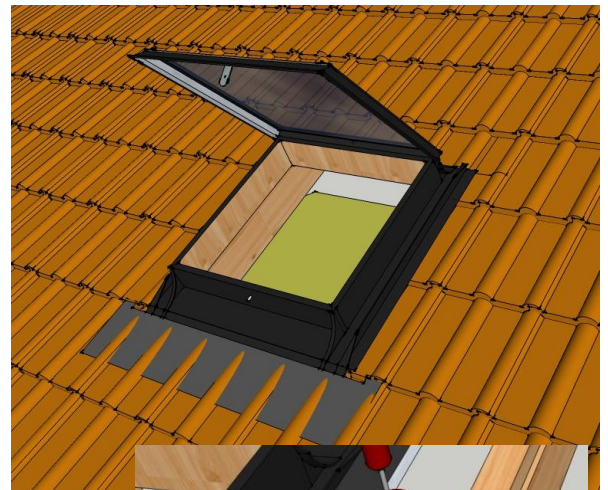


Installation of the roof base

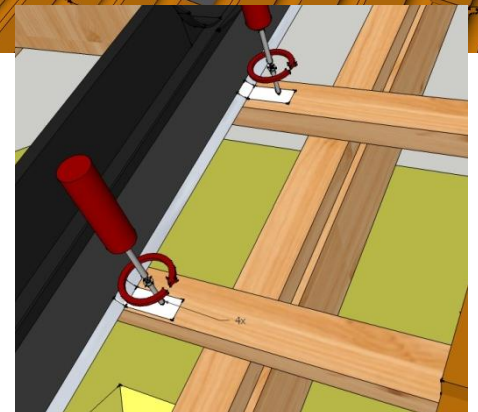
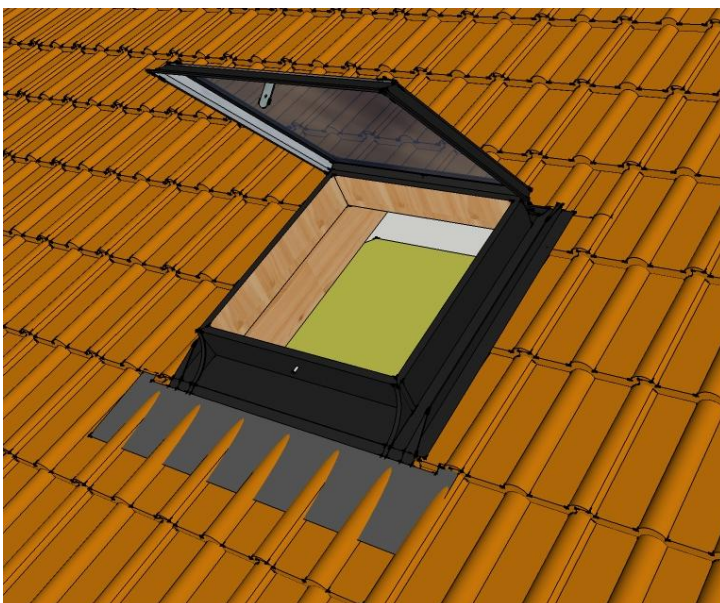


Cut the laths for placing of the basement
For Sunizer 230, 330 is the cut 500 mm.
For Sunizer 430, 530 is the cut 700mm.

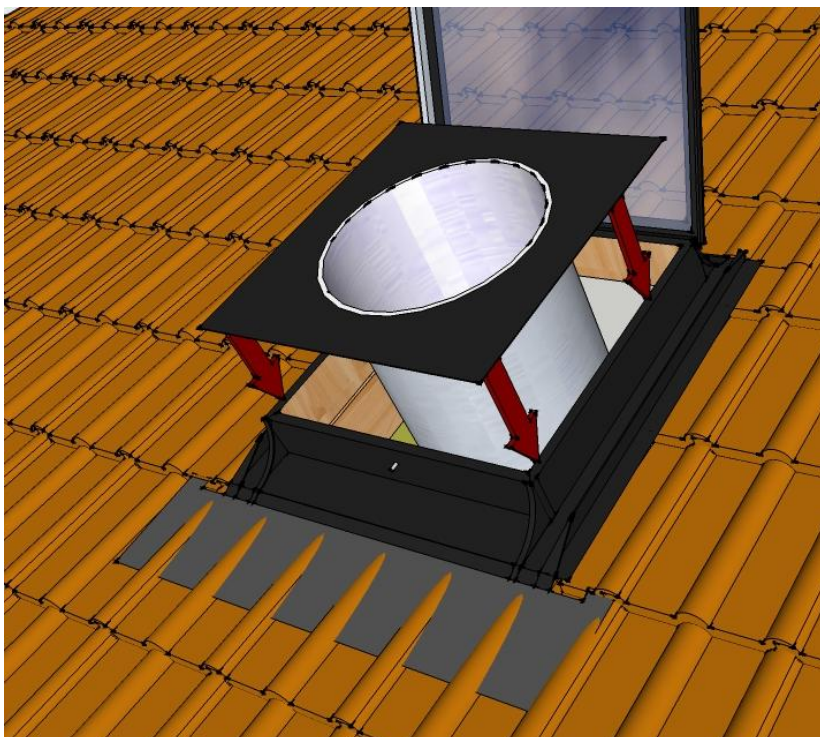
Put the base in and screw or nail screw according the graphical scheme (totally 4x).



Compose the roof and according the need modify roofing.



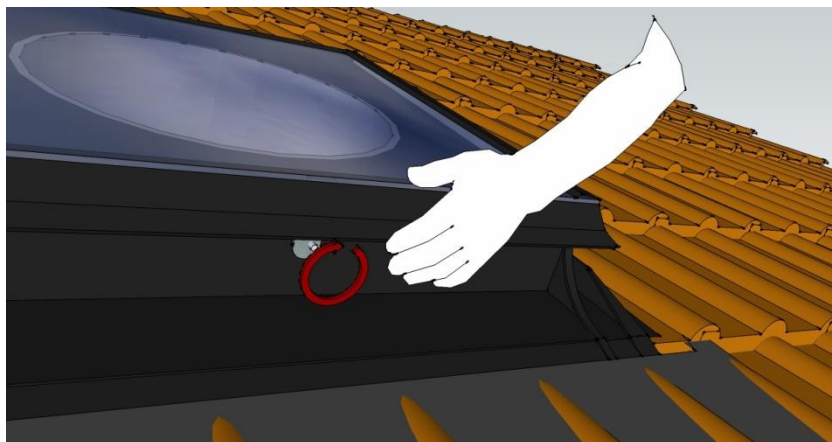
Installation of input part



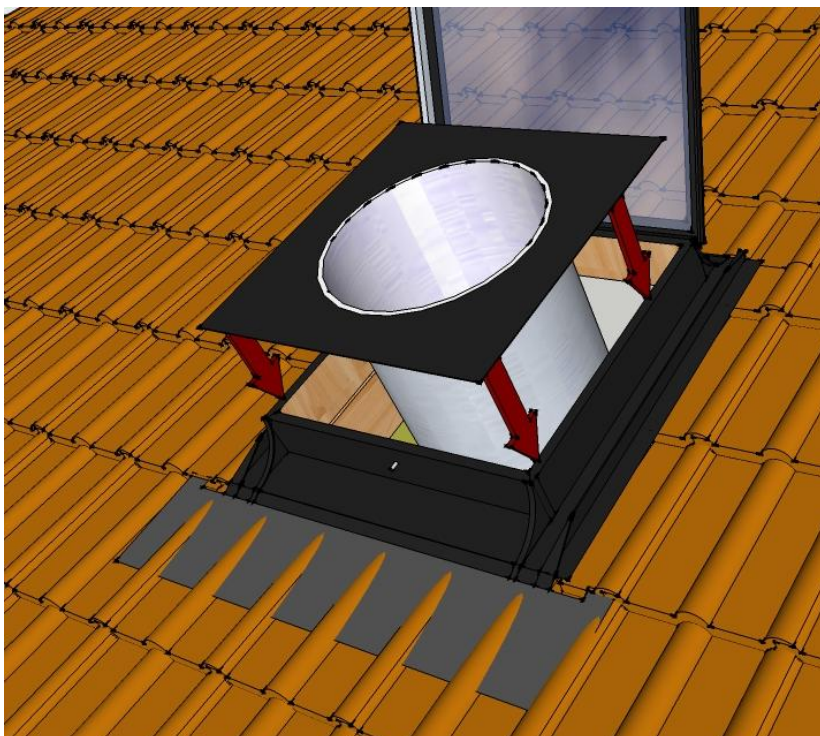
Insert input part into the basement.

Remove the protective layer from adhesive tape which is located from below of the plastic part. Glue the tape to the basement.

Close the cover of the basement, screw the mother screw by hand and then tighten it by spanner No. 10



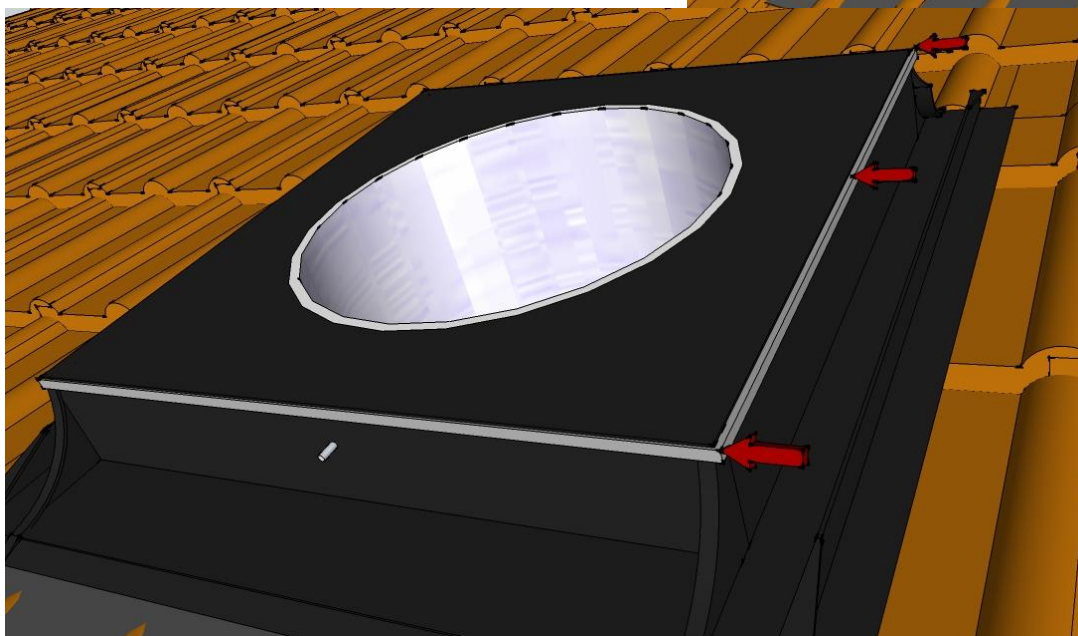
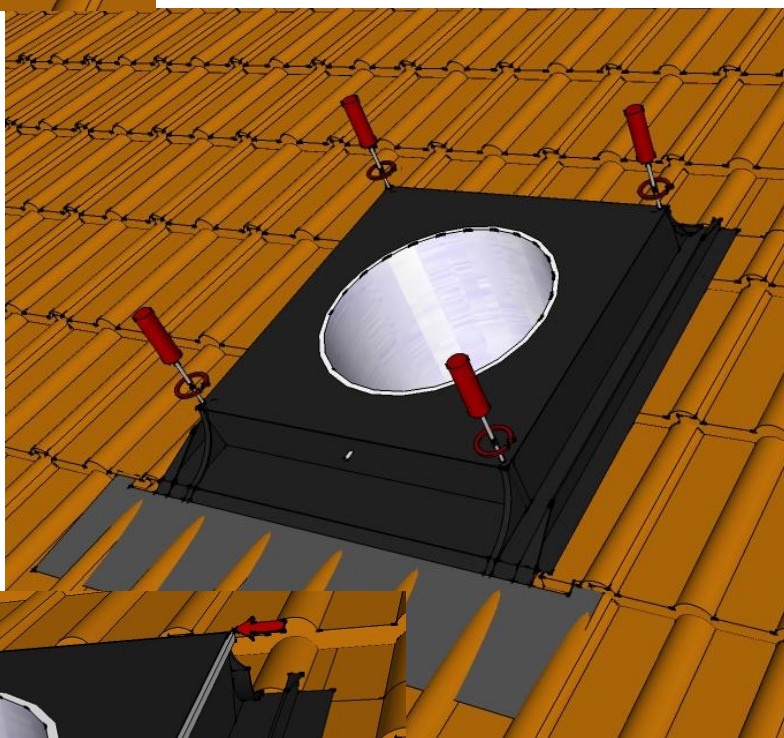
Installation of input part with polygonal dome



Insert input part into the basement.

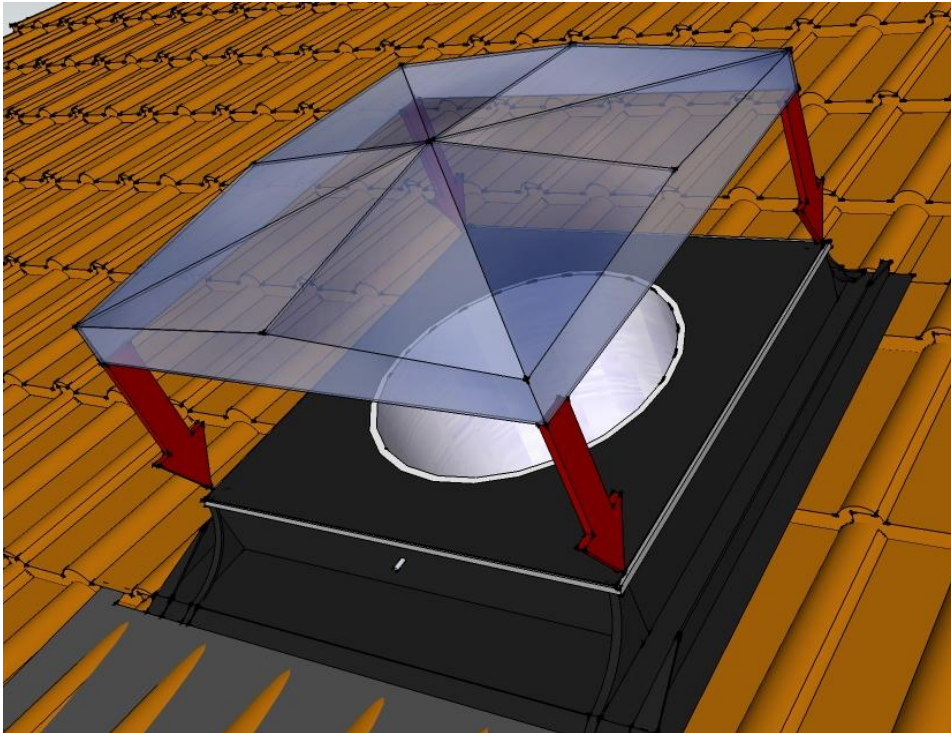
Remove the protective layer from adhesive tape which is located from below of the plastic part. Glue the tape to the basement.

Screw the input part to the basement by 4 pcs of screw.



Stick the perimeter brush gasket 1 cm under the edge of basement according the picture.

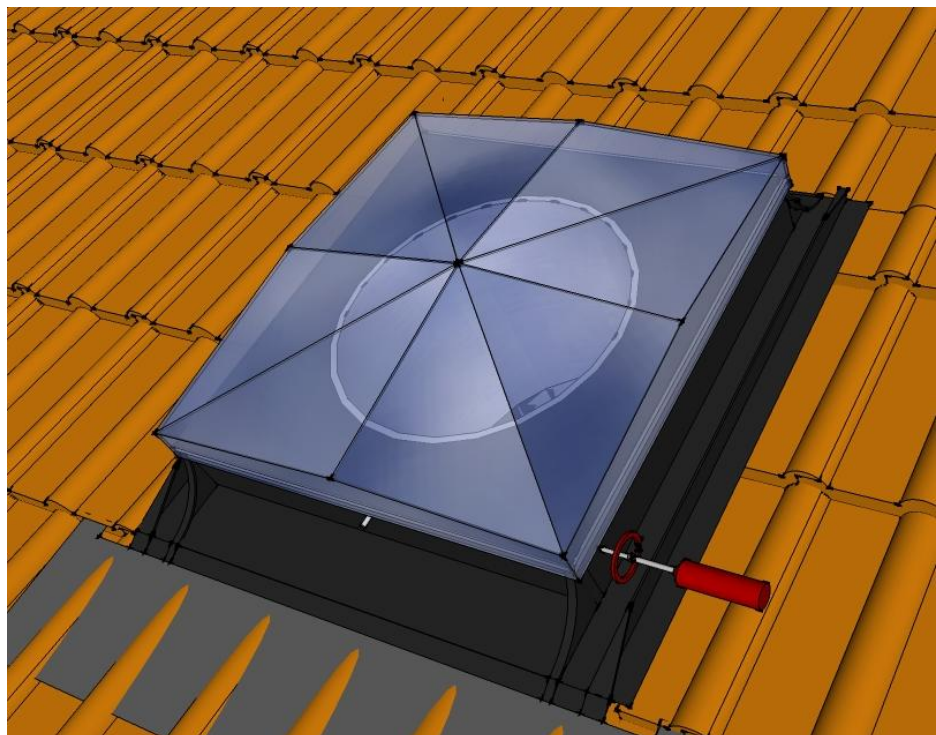
Put the polygonal dome on the base unit over the brush gasket.



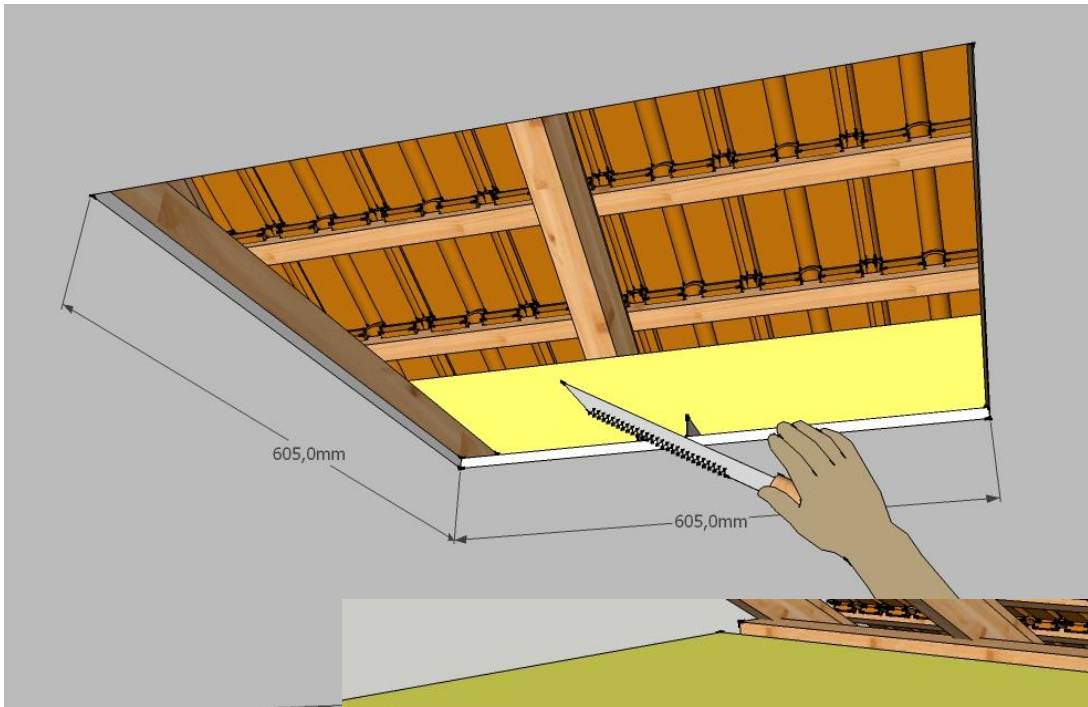
according to predrilled holes
short screw with a pad.
Tighten it gently.
The screw can be filled
(this is not part of delivery).

Screw the polygonal dome

by a



Installation of the square diffuser

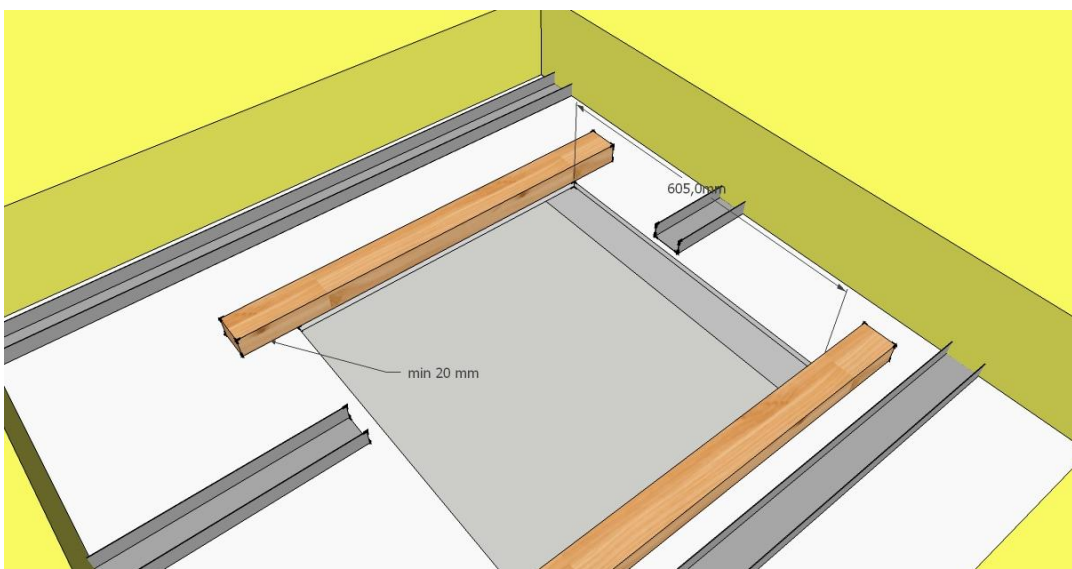
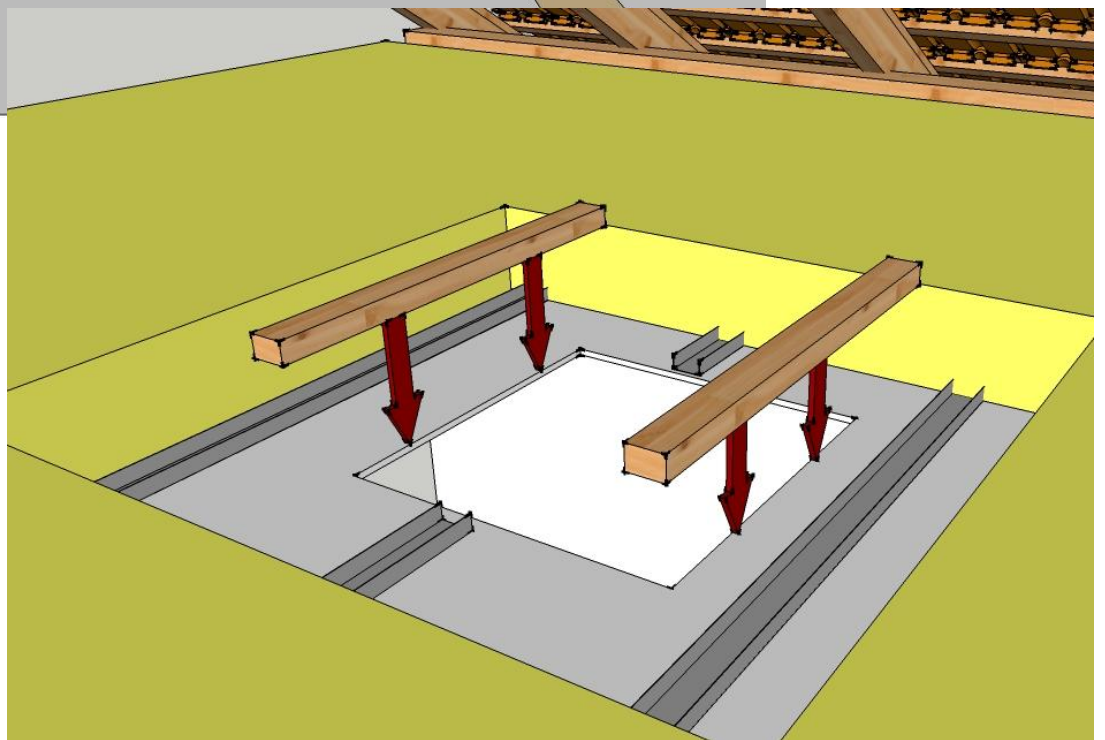


The installation perform into prepared ceiling.

Create a hole in the ceiling in the size 605x605 mm. Care about squareness of the corners.

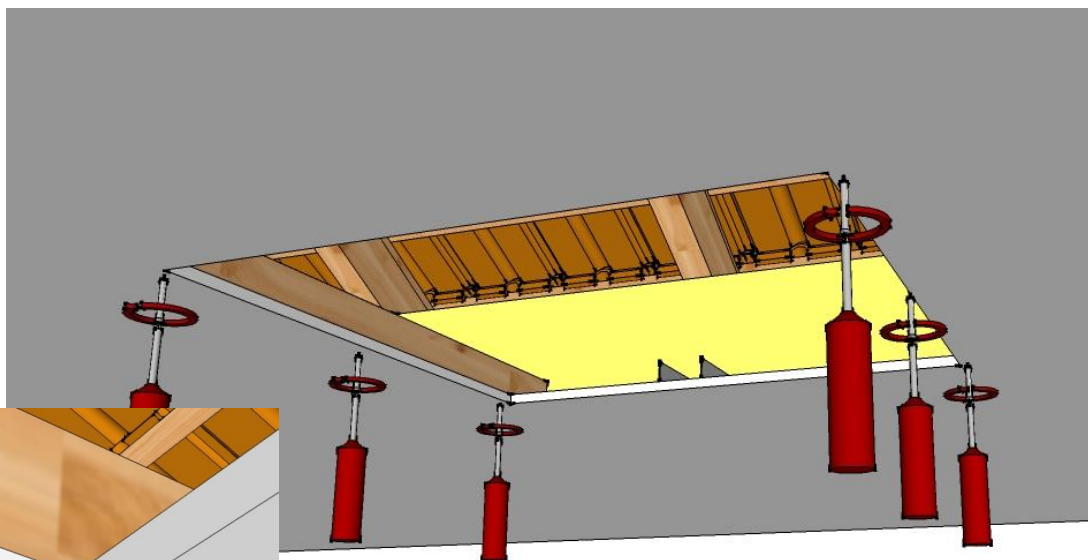
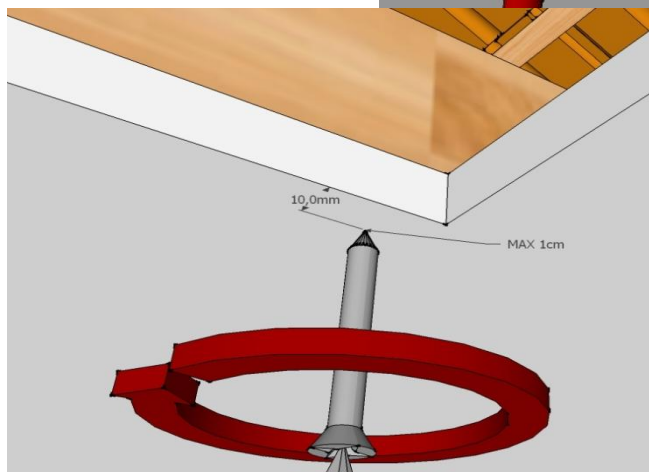
If it is necessary to break carrying profile SDK, solve the problem with expert for plasterboards.

Put the laths or UD profiles under the ceiling (this is not part of delivery).



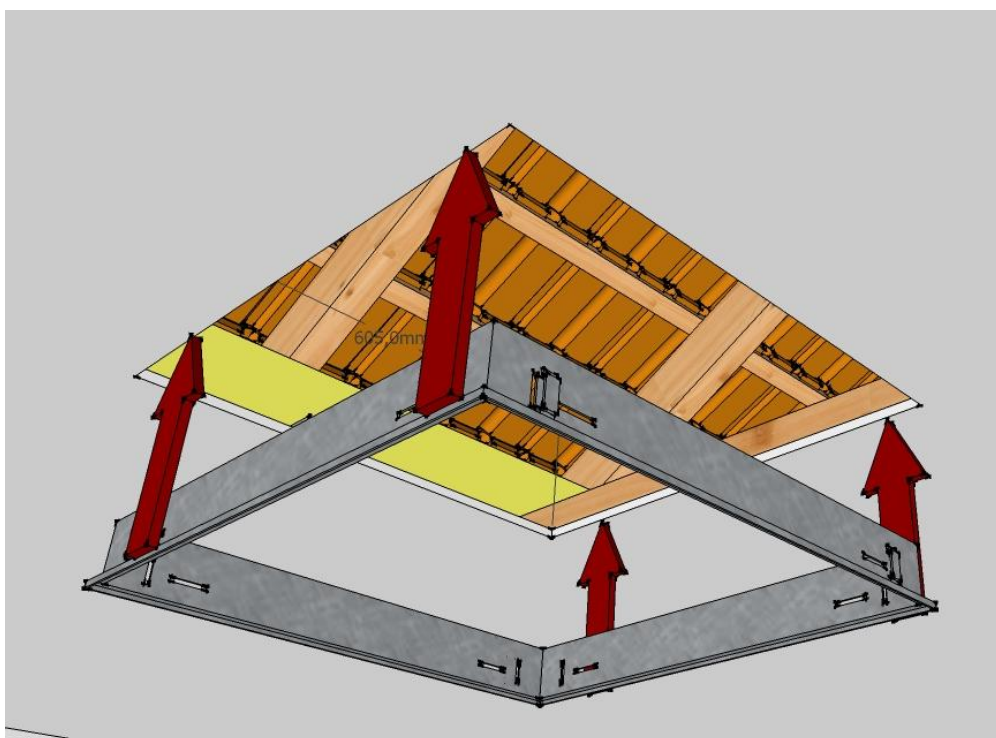
Take care of sufficient overlapping in corners at least 20 milimeters.

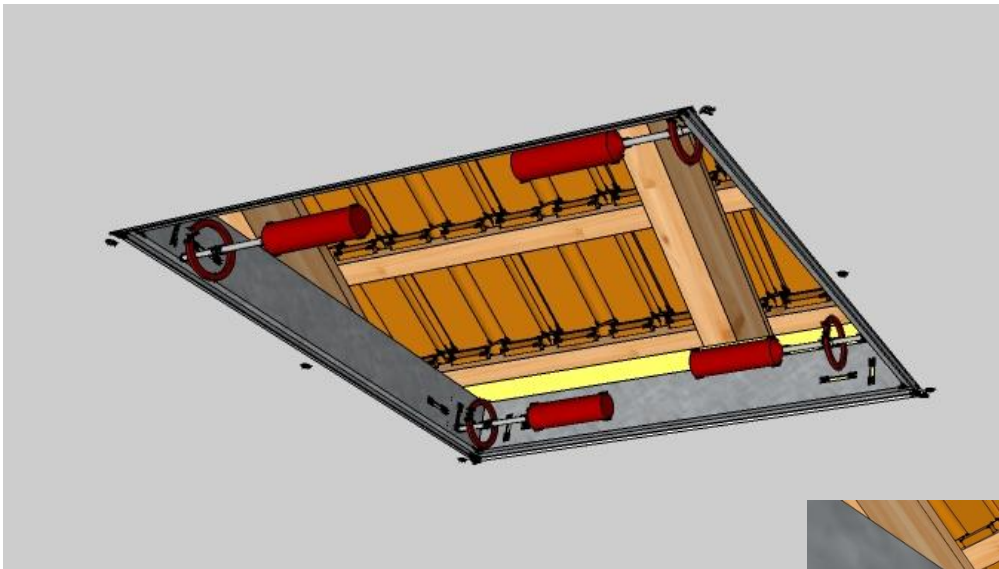
Attach lats or UD profile by 6 pcs of screws into SDK according the picture.



Place the screws 1-1,5 cm from the edge.

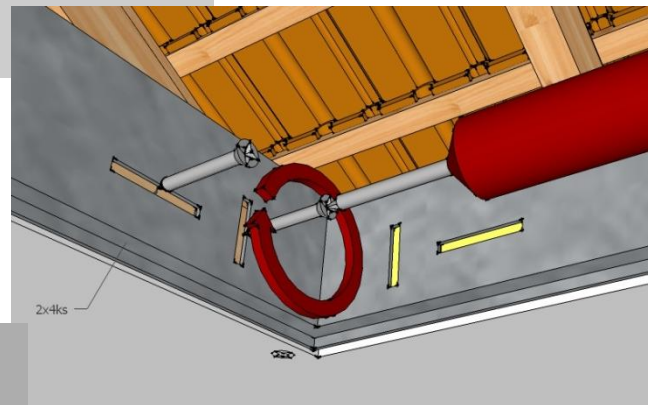
Put the steel frame into prepared hole.



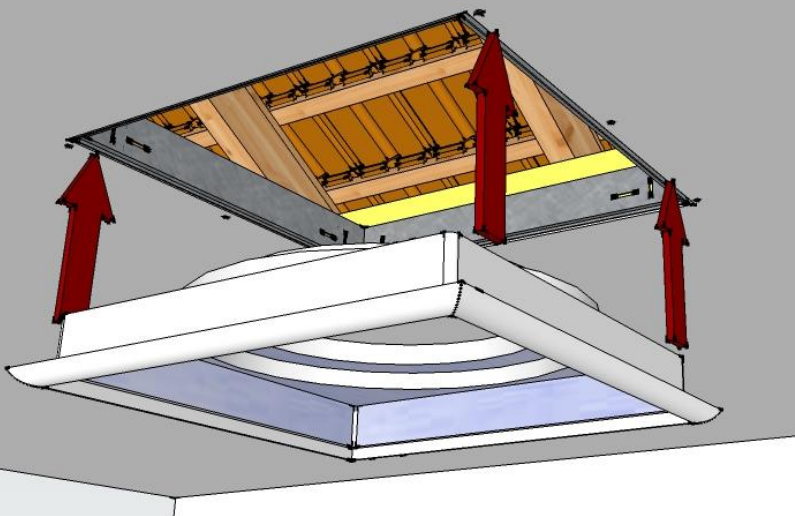


Attache the frame by 8 pcs of long screw SDK to lath or UD profile.

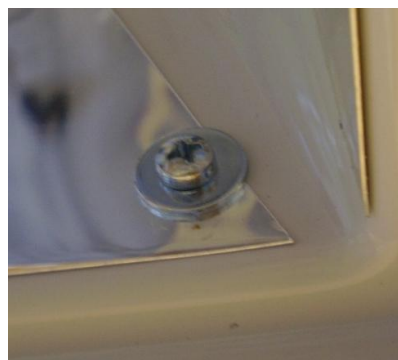
Screw it into the height-adjustable holes (according the picture).
It is important to lower edge of the frame was in same level as the edge of hole.



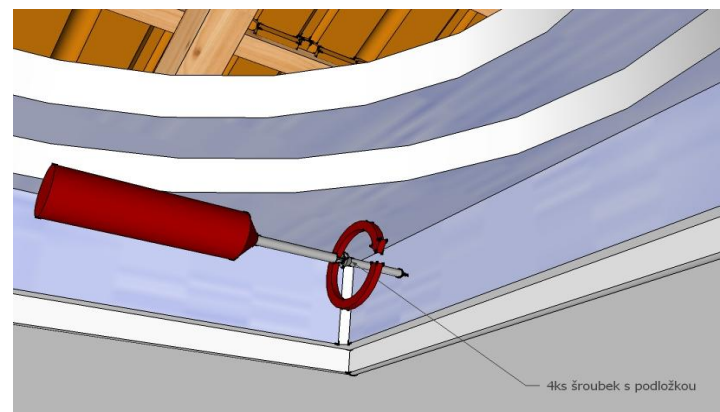
Put into the steel frame diffuser's corpus.



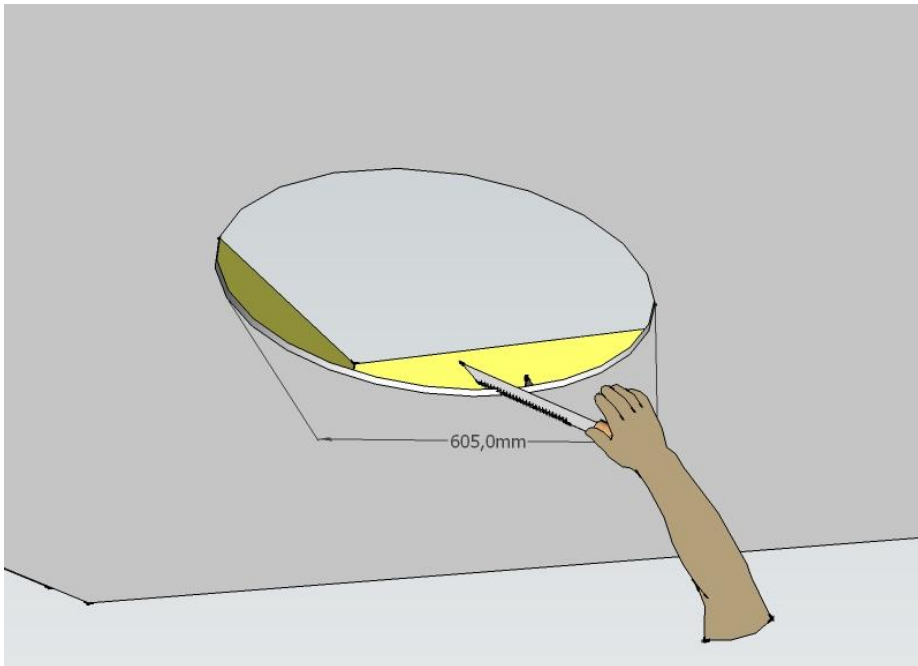
Screw the corpus into the prepared holes by 4 pcs of screws with pad.



Before the tighten of the screws press the corpus in the up direction.

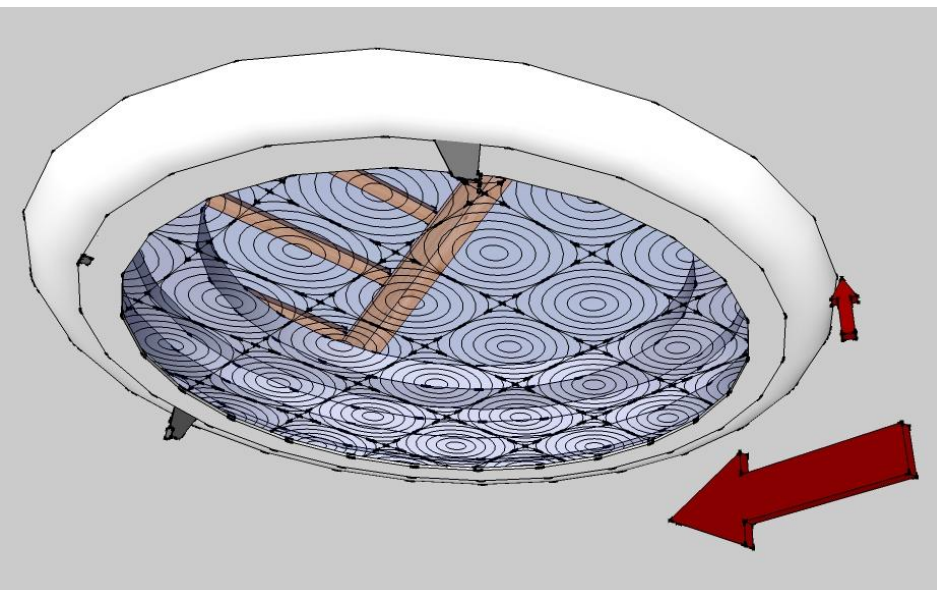


Installation of round diffuser



The installation is carried out into the prepared ceiling. Create in the ceiling round hole .
For the Sunizer 230 and 330 – 405mm.
For Sunizer 430 and 530 – 605mm.

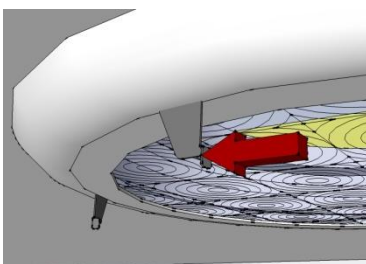
If is necessary to break carving profile SDK, solve the problem with expert for plasterboards.



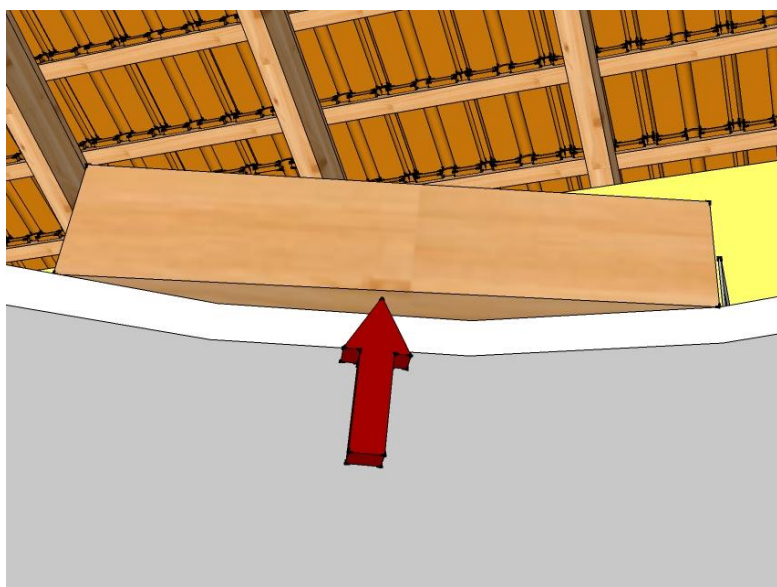
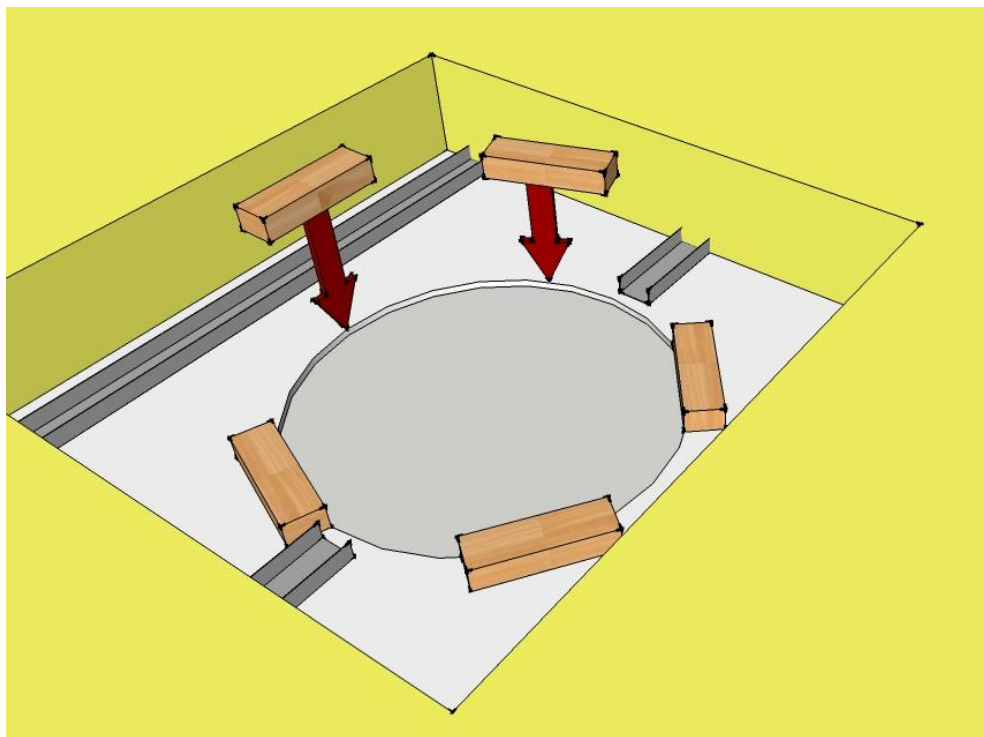
Turn the diffuser around to it doesn't spoil the spatial impression. The most suitable is to direct the lenses parallel to closest wall according the big arrow.

Create by a pencil marks on diffuser and ceiling according the small arrow. Other marks create in the point of pre-drilled holes for anchoring of the corpus to the laths.

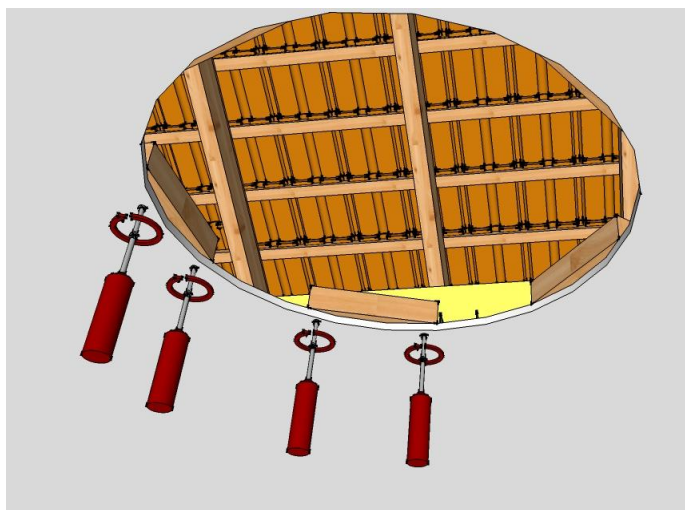
Take the Fresnel lenses out of the corpus by locks.



Put the laths above the ceiling
in the length 200 mm
according the picture.
For Sunizer 230 and 330 – 3pcs.
For Sunizer 430 and 530 – 5pcs.
(this is not part of delivery)



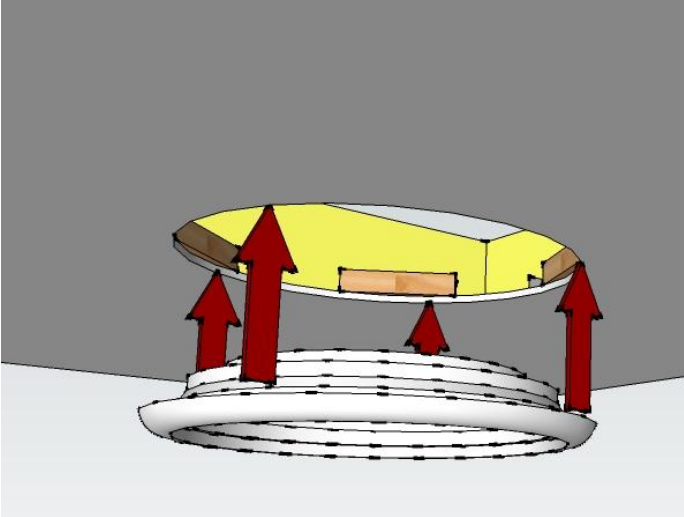
The centre of the lath had to stick out 15 mm.



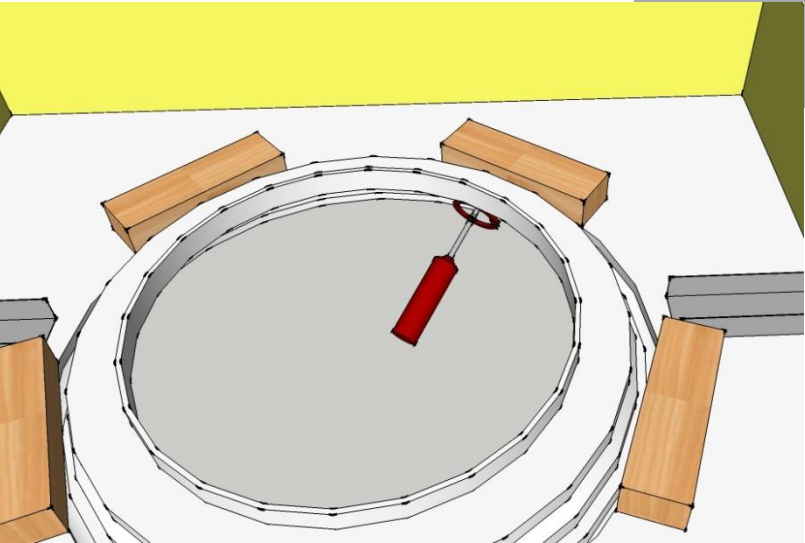
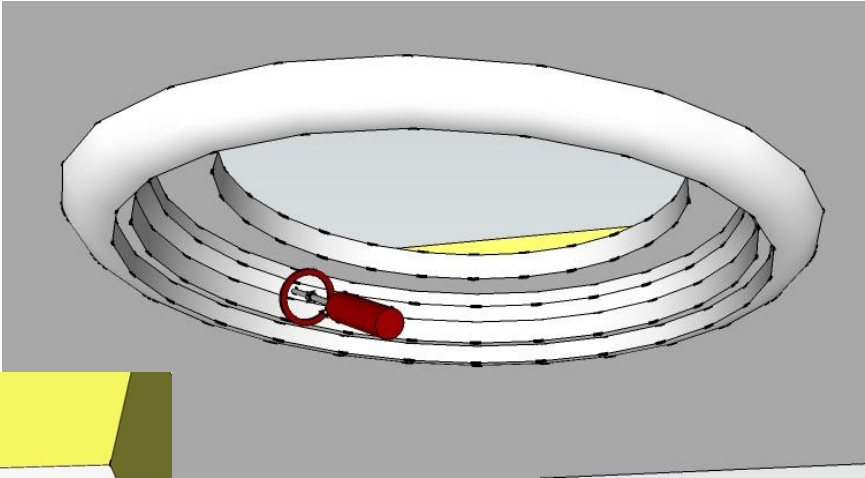
Attache every lath by 2 pcs of small screw SDK
according the picture.

Place the screws 10-15 mm from the edge of
SDK.

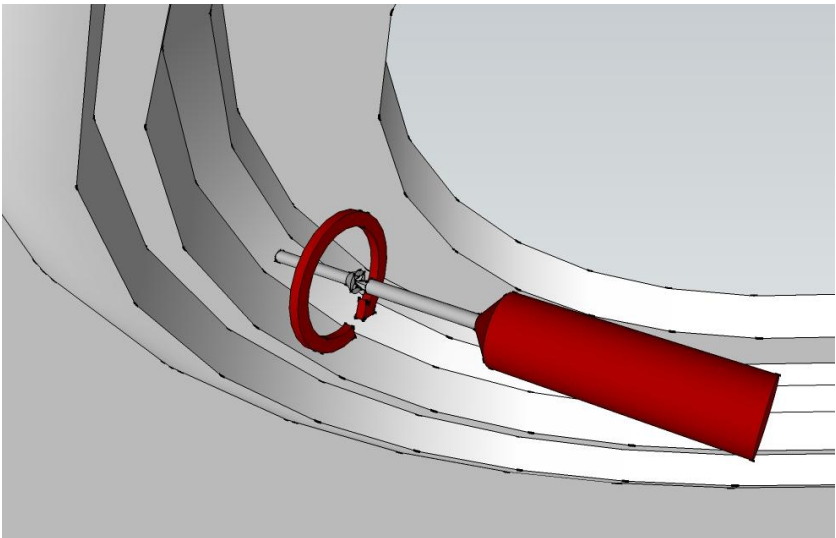
Put the corpus of the diffuser with Fresnel lenses into the hole.



Screw the plastic corpus by the screws with rubber gasket to the laths according the pictures. Care about the connection of the created marks.

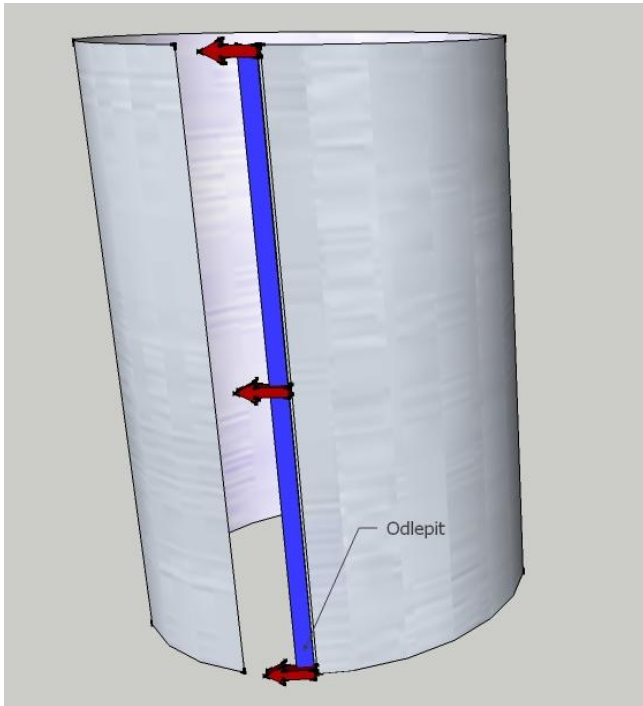


Put into the every lath 1 pc of screw.



Screw into the angle 45° the crossing according the picture into the prepared holes.

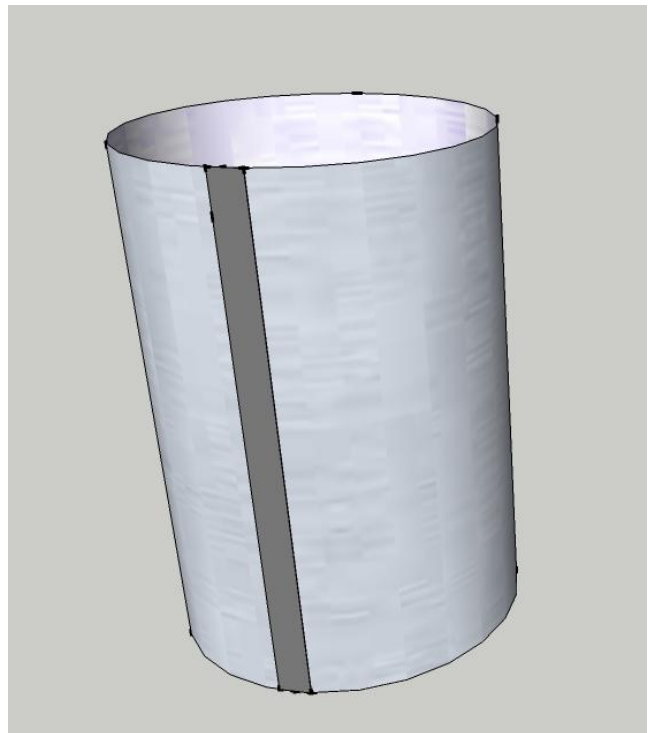
Preparation of the pipeline



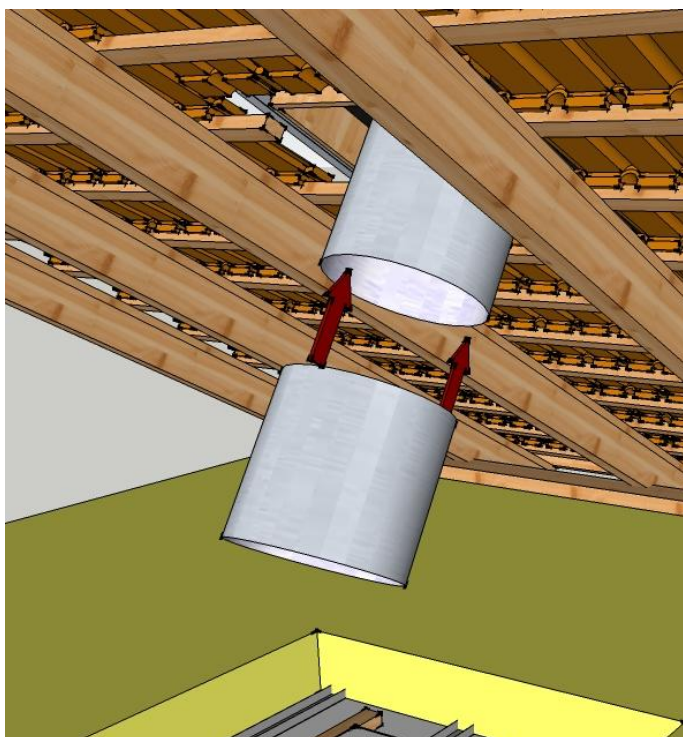
Partly remove the protection foil from the inner edge of tubus.

Remove the protection tape (on the picture in blue color) and connect the both edges together.

Plaster the joint by aluminium tape.



Installation of the pipeline

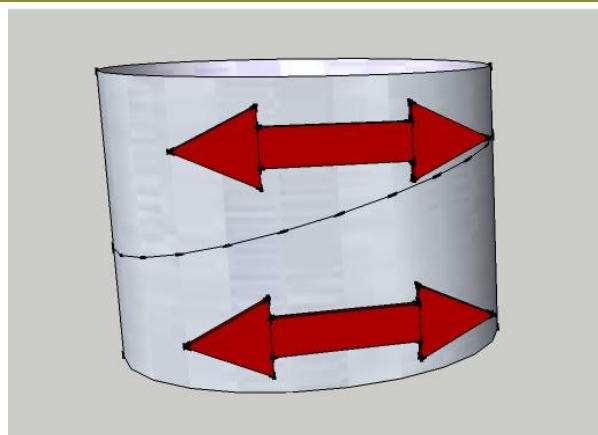
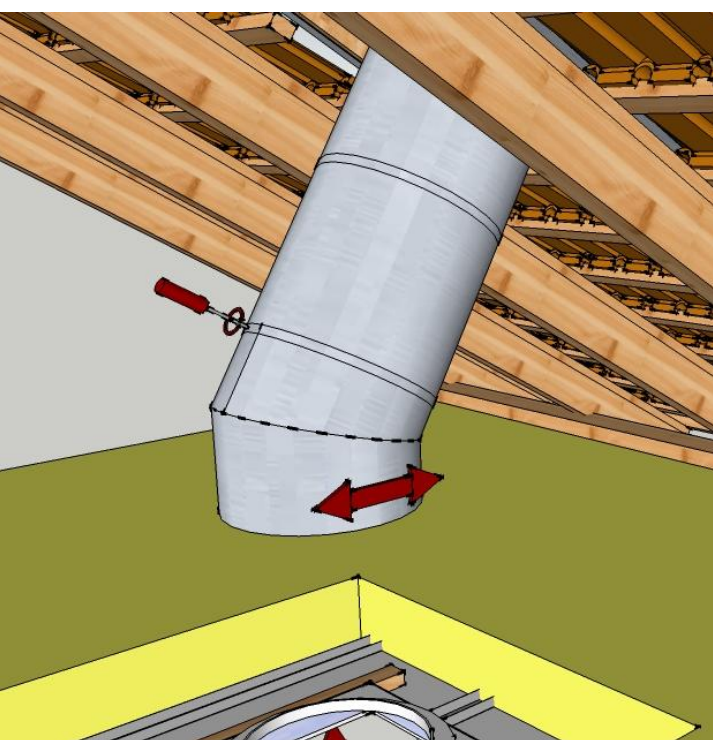
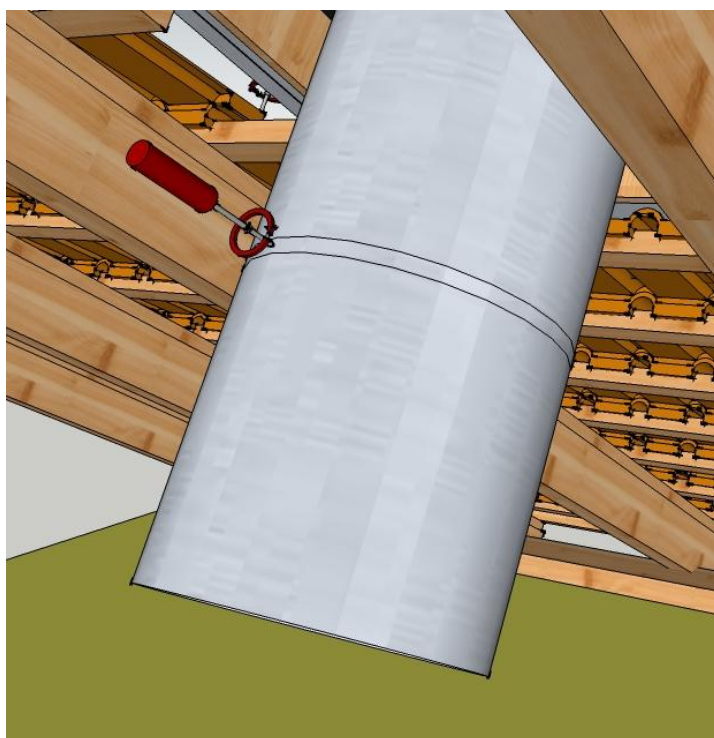


Before the installation remove the protection foil from the transition part of tubus carefully.

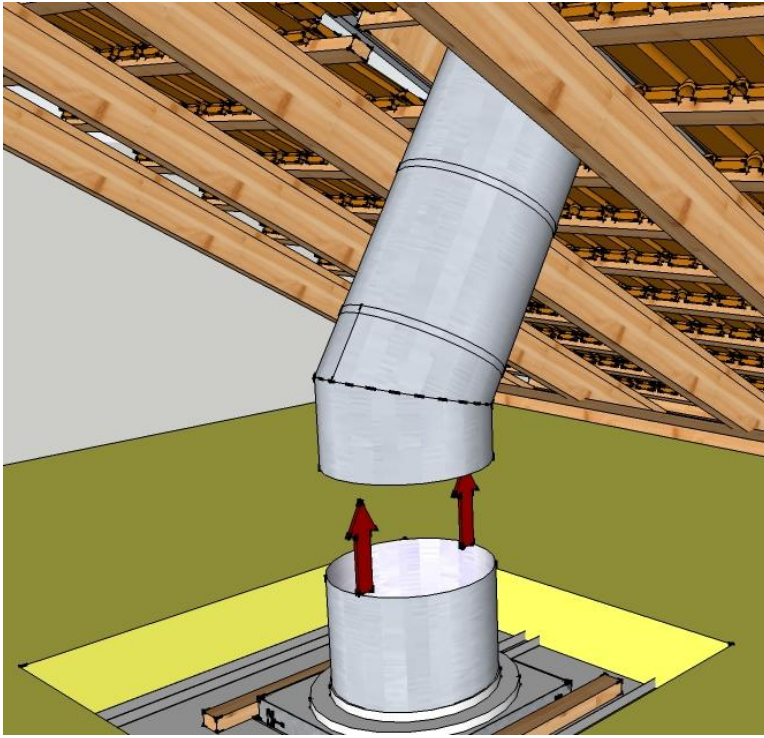
Insert the extension parts of tubus into itself approximately 20 mm.

Every joint screw by minimally 2 pcs of TEX screw. Before the installation of every other part of pipeline remove the foil from the tubus carefully.

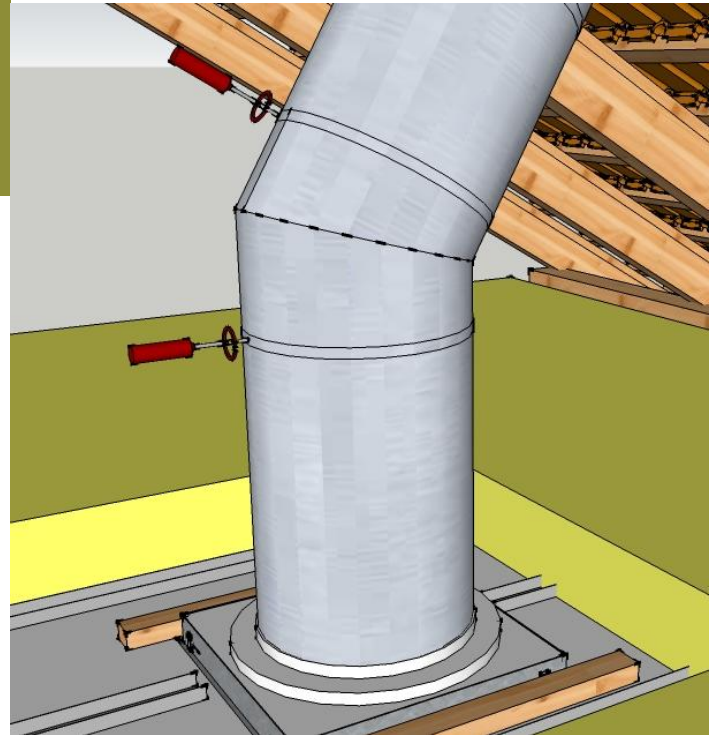
By using the joints adjust by the rotation the inclination of the roof.



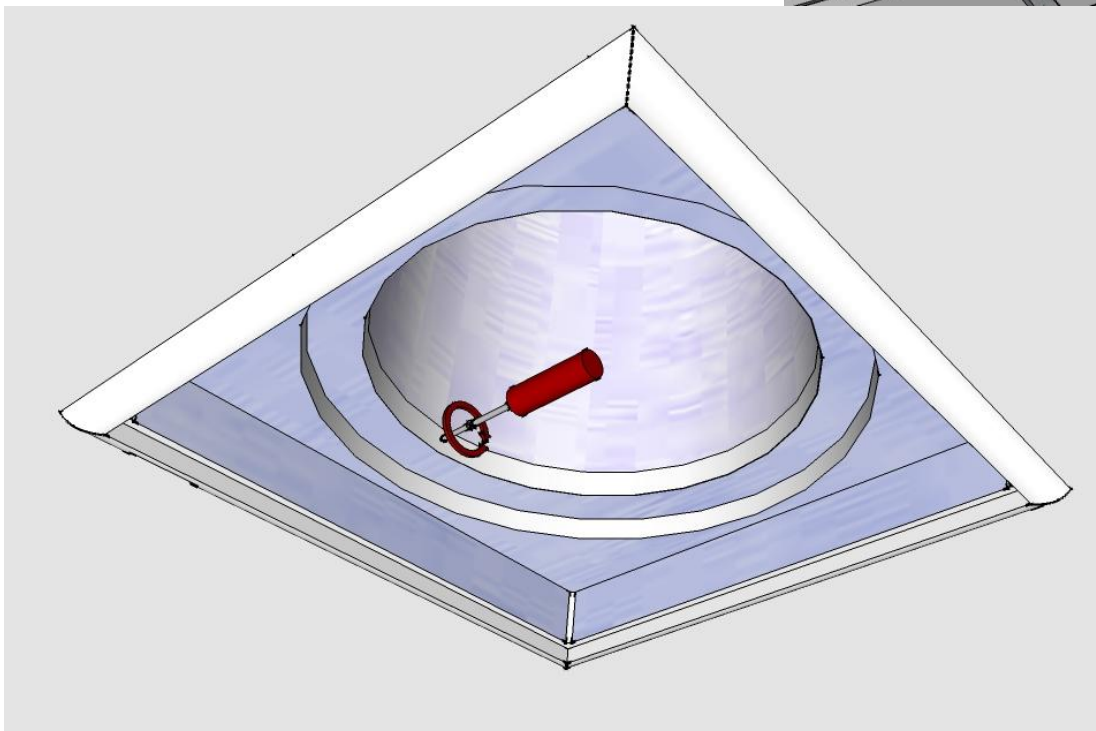
Screw the joint by 2 pcs of TEX screws. Tune the direction of the joint.



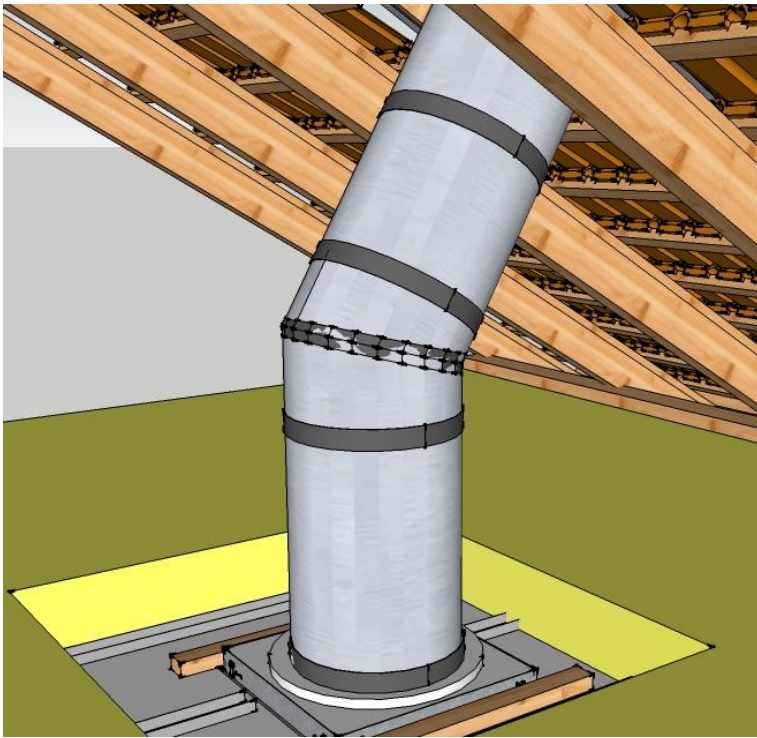
Shorten the last part of the tubus on the demanded length and stick it through room by the corpus.
The shortening is done by e.g. pliers for the sheet from Midwest Co. FTCMP1 or by sharp knife.



Screw by 2 pcs of TEX screws.

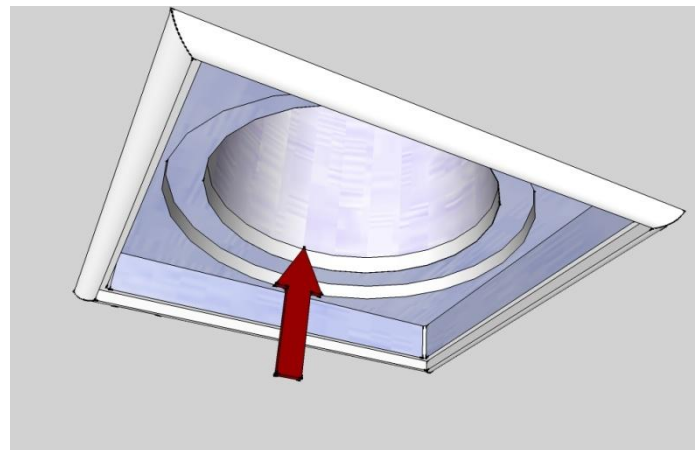


Screw the last pipline to the diffuser by 3 -4 pcs of screw TEX.



Plaster all the joints of the pipeline by aluminium tape.

It means: connection of pipelines
 Turning neck of joint
 Pipeline to diffuser-if there isn't possibility of plastering above the ceiling, use the silikon on perimeter between the corpus and the tubus according the arrow on the picture.

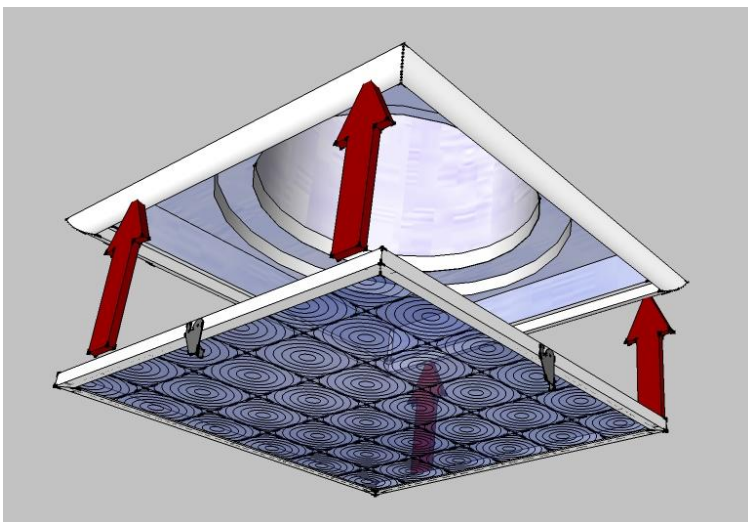


Steam-tight layer connect according your change on plastic corpus or on perfectly seal tubus.

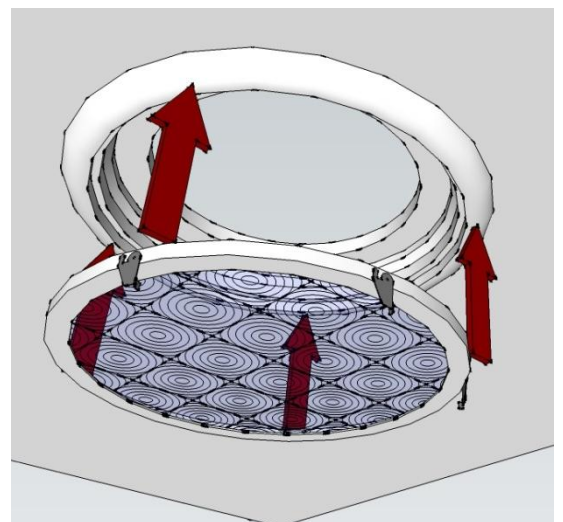
If the tubus goes throught not heated space, it has to get the thermal isolation. The thermal isolation has to have minimally $\frac{1}{2}$ of the thickness of the thermal isolation which was used in the ceilings!!!

Remove the rest of the foil from the tubus or from the corpus of the diffuser.

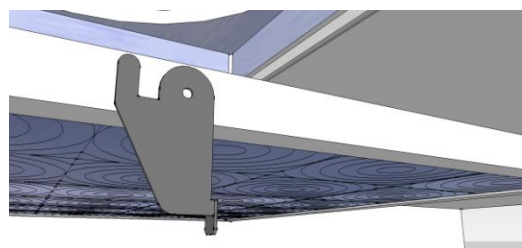
Close the Sunizer by the frame with fresnel lenses.



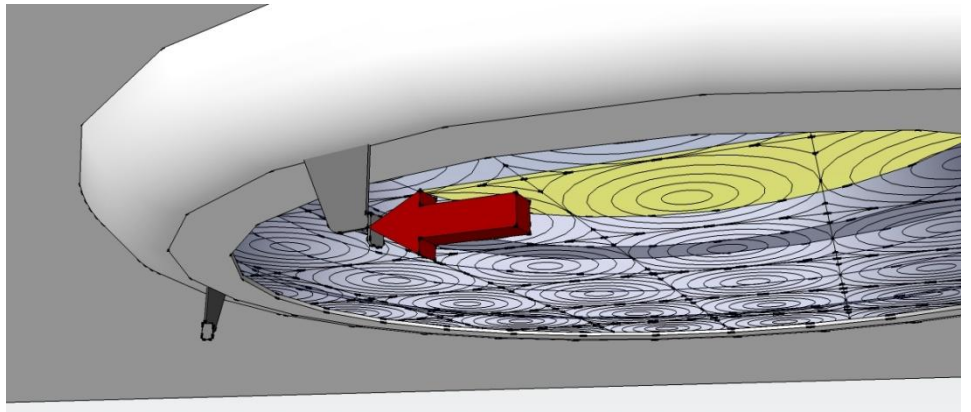
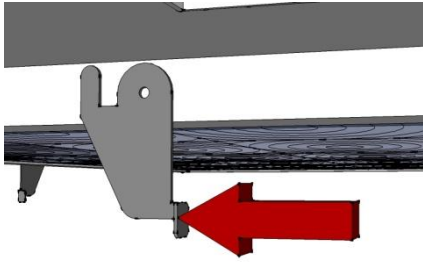
It is required to Sunizer was closed during the the whole after the instalation!!!



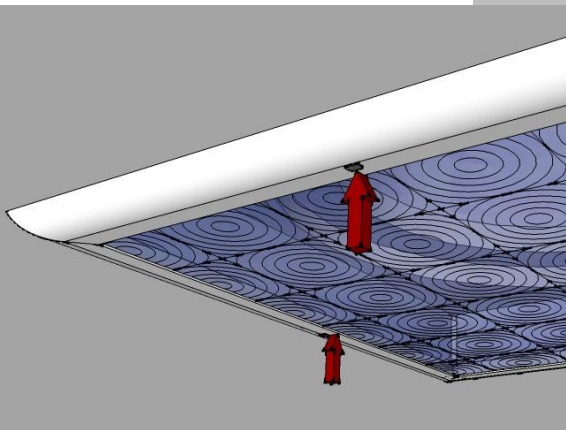
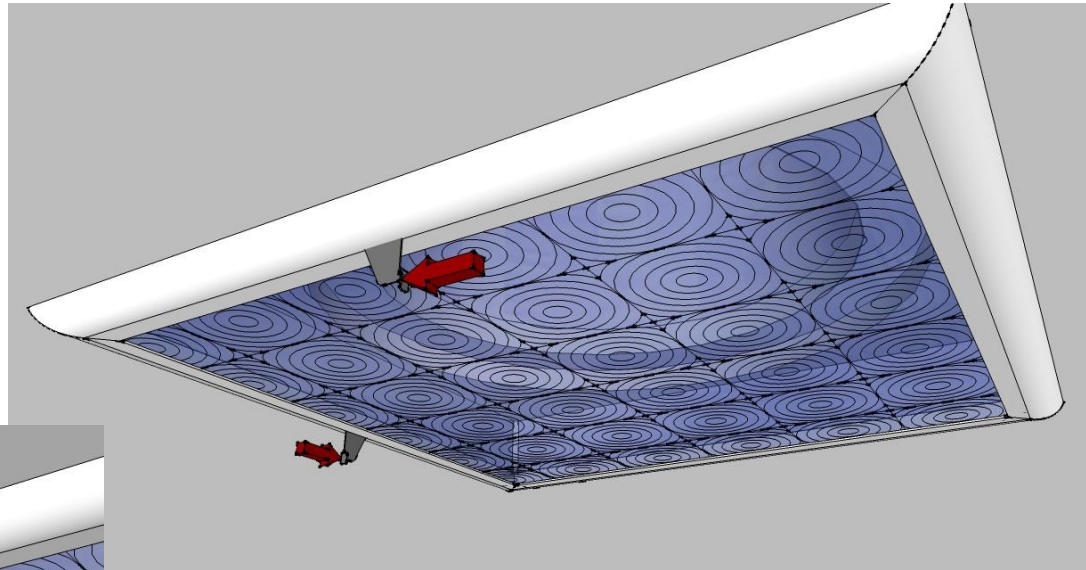
time



The frame can be opened or closed by 4 pcs of locks.



Round diffuser has 3-5 pcs of locks. Corner difuser has 4 pcs of locks.



Installation of blackout flap Blackizer

The installation is carried out in similar way as installation of the tubus. Elektronic part entrust to Electrician.

The maintenance of Sunizer

Is similar as at common interior light. According the remove the frame with Fresnel lenses using the locks. Fresnel lenses are cleaned by dust cloth alternatively by soap water.

In the case of mirror tubus staining contact our technician.