

# Assembly Instructions

## for Müller Light and Ventilation Ridge „Deluxe compact“



### Important notes!

[Bearing loads of Müller Light and Ventilation Ridge must be considered in the design of the removed purlins!](#)

### Preface

The correct and technically perfect use of the products and compliance with the applicable accident prevention regulations during installation are not subject to our control.

In conformity with these installation instructions a smooth and quick mounting, nothing is to prevent. We hope you will enjoy the Müller Light and Ventilation Ridge "Deluxe compact" now and as well in the future.

### Storage

**(Please pay attention to the instructions immediately after delivery!)**

Upon receipt of the construction kit, the stacked, bare aluminium profiles (wind deflectors, purlins and frame) should be immediately separated. Moisture between the stacked sections and profiles due to rain, humidity or condensation could otherwise cause an unsightly discolouration (corrosion of aluminium, "Brunnenschwärze") of the parts.

**Never** expose the light panels / domes in the stack to direct sunlight or excessive heat – heat accumulation – burning glass effect. This may lead to deformations!

For intermediate storage or provision on the site, all parts should be covered with an opaque material to protect against moisture as well as against wind and storm. Packaging ex factory serves as protection during the transport and is not suitable for storage.

The storage for an extended period should be carried out "under roof".

### Assembly

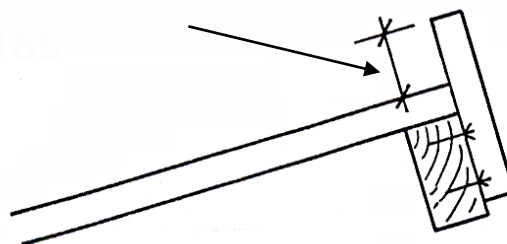
1. Fasten the first and last pair of aluminium supports with two stainless steel drill screws 6.5 x 65 mm for timber purlins or SX 5 drill screws with metal purlins so that the supports protrude 70, 100 or 130 mm beyond the existing roof cover, depending on roof pitch (see picture).

If your roofing has a profile height of more than 6 cm or ridge purlins less than 14 cm in height, please consult with us prior to installation.

2. Stretch a cord and align the other supports and also fasten them with two drill screws. The support spacing for the »Deluxe compact« is 1440 mm (center to center supports).

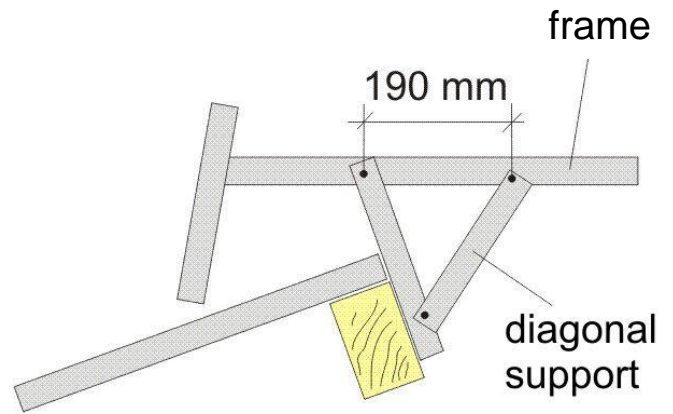
If you want a small lateral protrusion of the light dome, the support spacing of the first and last section has to be reduced accordingly (max. 100 mm protrusion).

130 mm at 10 - 15° roof pitch  
100 mm at 16 - 20° roof pitch  
70 mm at 21 - 25° roof pitch

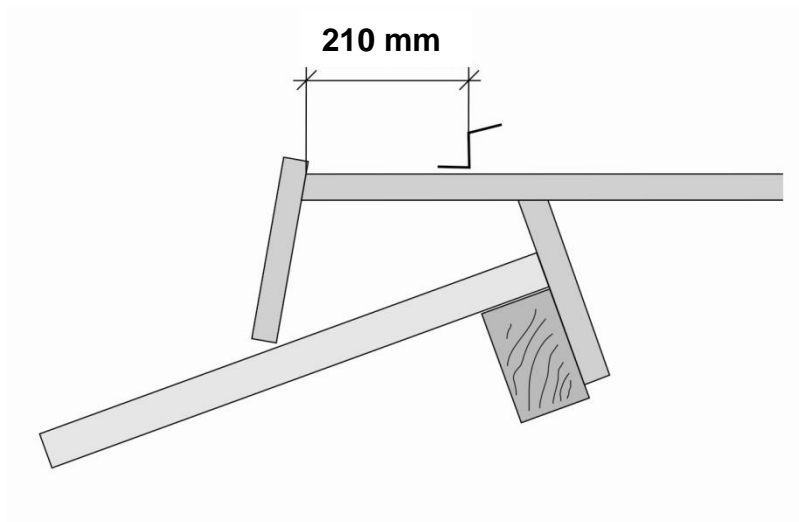


3. Now position the welded aluminum frame, also aligned them by means of a cord and attach to each aluminium support with two stainless steel drill screws SX5.

4. Now the diagonal support is attached and fixed to both the support and the frame with two SX5 drill screws (see sketch).

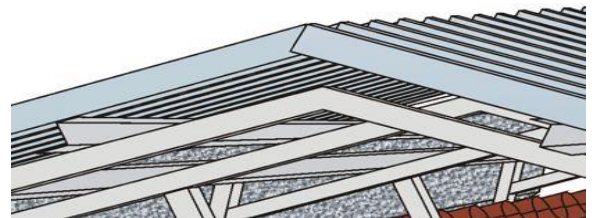
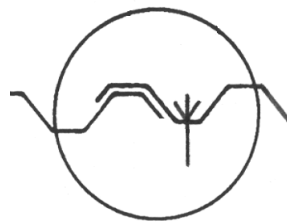


5. Put Al-Z-purlins on the frame, according to sketch, and fix each support with two SX5 drill screws. The overlap of the purlins is 120 mm and is located exactly on a frame.



6. The domes have a lateral overlap of 5 cm (see sketch). This results in a coverage width of 1040 mm per dome.

Place the domes and attach them to all Z purlins in each second lower flange with SX5 stainless steel drill screws.



7. Put Al trim corners on the holding device of the wind deflectors, then align the Al wind deflectors (reinforcing bead down) and attach each with 2 SX5 drill screws per bracket. Attach the upper drill screw at a level, so that the trim corner is mounted simultaneously. The overlap of the trim corners and the wind deflectors is 120 mm, alike the purlins, and is located exactly on a holding device of the wind deflector. Finally, the wind deflectors are each attached with a screw exactly between the frames at the trim corner in order to avoid noise due to the wind.

