



Assembly instruction

Gibson Light

Assembly instruction, Gibson Light with ground plates

1. Lay the ground plates out, assemble the ground plates for the long sides with the long side tension tubes L=3070. Use foot pins Ø16 L=180 and single hairpin springs. Diagonal measure the long sides (see table). Anchor the ground plates on one side with 2 earth spikes (1 pc. L=500 and 1st earth spike L=750). Then anchor the other side with only one earth spike L=750 (this is to simplify installation of the roof arches later on).

CC Diagonal measurement (m)

| | cc 3 | cc 6 | cc 9 | cc 12 | cc 15 | cc 18 | cc 21 | cc 24 | cc 27 | cc 30 |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8,5 Width cc 8,4 | 8,92 | 10,32 | 12,31 | 14,65 | 17,19 | 19,86 | 22,62 | 25,43 | 28,28 | 31,15 |
| 10,5 Width cc 10,4 | 10,82 | 12,01 | 13,75 | 15,88 | 18,25 | 20,79 | 23,43 | 26,16 | 28,93 | 31,75 |
| 12,5 Width cc 12,4 | 12,76 | 13,78 | 15,32 | 17,26 | 19,46 | 21,86 | 24,39 | 27,01 | 29,71 | 32,46 |



1. Ground plates installed with tension tubes.

2. Ground plate, foot pin, hairpin spring and tension tube.



2. Lay out the leg beams L=2631, eaves joints, standard roof rails L=4542, (if you are assembling a Gibson Light 10.5/12.5 m, there must be a roof rail extension L=1098/2189), ridge joint. Save the last gable arch (this is installed later). Install from one side across to the other. Leg beam -> eaves joint -> roof rail -> (possible roof rail extension 10.5/12.5) -> ridge joint -> (possible roof rail extension 10.5/12.5) -> roof rail -> eaves joint -> leg beam, lock with pin Ø16 L=95 and single hairpin springs in all joints. Be careful to ensure that no hairpin spring crosses a round slot. Fix the roof arch to the ground plates with foot pins. The pins must be installed from inside the hall, going outwards. Start with the long side that is anchored with 2 earth spikes. NOTE! Corner fittings Z must be installed at the four corners for the tension tubes (see illustration).

3. Assembled leg, eaves joint, roof beam

4. Round slot free from hairpin spring

5. Corner plate Z to tension tube.

6. Corner plate Z, leg, hairpin spring, tension tube, hairpin spring, installed on foot plate with foot print



3. Fix the plate for the installation stay to the legs of the first arch (see illustration). Install one installation stay per installation plate. Fix 4 pcs (2+2) roof tension strap L=7500 to the ridge joint (Note! Gable arch only 2 pcs). Install 2 pcs leg tension strap L=4250 in the lower hole in the eaves joint (Note! Gable arch only 1 pc). Install 2 pcs tensioner i den upper eye on the eaves joint (Note! Gable arch only 1 pc).

| | | |
|-------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------|
| 7. Fixing of installation plate and installation stay | 8. Installed roof tension strap in ridge joint | 9. Installed tensioner and wall tension strap in eaves joint |
|-------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------|



4. Install Corner leg L=4361 in the roof arch that will be raised first, lock with Ø16 L=95 and a single hairpin spring. When you are installing a Gibson Light 8.5, install 1 pc corner leg in the hole on the underside of the eaves joint. When you are installing a Gibson Light 10.5/12.5 install 1 pc corner leg on each eaves joint. Install the foot plates after the arch has been raised.



Illustration shows
GL 10,5m

10. Corner leg
installed in roof arch.

5. In good weather, install the gable cloth before you raise the arches.. Install G 8.5x3H (gable cloth 8.5x3 right) by threading it into the round slot in the roof beam and then in the leg (inner groove). Do the same with G 8.5x3V. Lace the two gable cloths together, right down to the door opening, where you tie off, then start again and lace the gable cloths together so far down that you can reach it standing on the ground, when it has been raised. When you are installing a Gibson Light 10.5/12.5, a gable extension must be installed (GF 10.5x3/GF 12.5x3). This extension is threaded in from the ridge and down to the gable leg. Lace the gable extension together with the gable cloths in the same manner as above.



Illustrations show GL 10,5m

11. Roof cloth installed in the inner round slot. Illustration shows the eaves joint

12. Lacing the gable cloth

13. Installed gable extension 10.5m.

6. Raise up the eaves arch. For Gibson Light 10.5/12.5, use a lifting stay. Install this in the eye underneath the eaves joint. When erected, both the lifting stays are fixed to the foot pin in the ground plate for the other arch. This locks the first arch in the upright position. Hang up the intermediate stay and the intermediate ridge stay on the raised arch. Hang up the intermediate stay on the end of the intermediate stay that has a U-shaped hook



7. Raise arch no. 2 and hook in the intermediate stay that hangs from the eaves arch. Use the lifting fork. Start by hooking on the spacers that are installed on the eaves joint, to stabilise and to secure arch no. 2. Use the pre-installed tension straps that hang from the eaves joint to direct the arch into the correct position, so the intermediate stay can be hooked on.



8. Tighten wall tension strap 2.5t L=4250 diagonally from the eaves joint on the gable arch down to the ground plate for arch no. 2. Then do the same thing from arch no. 2 to the ground plate on the gable arch. Use a 2.5 t tensioner . Do the same thing on the other long side. Before you pull the tension straps too tight, undo the installation stay, leave the plate for the installation stay in place. Align the arches to make them vertical. Then tighten the tension straps from the ridge joint down to the eaves joint (same procedure as for tightening the wall cross). Do tighten more than necessary to align the arch and straighten it. (Post tensioning of these tension straps is done when the wall/roof cloths are installed).



9. Hang up the intermediate stay and the eaves intermediate stay from the erected arch. Hang up the intermediate stay in the end of the intermediate stay that has a U-shaped hook. Then repeat points 7 and 8 until only the last gable arch remains to be installed. NOTE! Do not hang up the intermediate stay and eaves intermediate stay from the next to last arch.



10. Assemble the last eaves arch from the opposite direction (in towards the hall). Follow instruction points 2 and 5. Raise the gable arch. Hang the intermediate stays up and hook them on.



11. Install ground plates on the corner legs. Note that gable fitting Z for the tension tube must be installed on foot pin $\text{Ø}16$ L=180, one on each side of the corner leg (See illustration).



12. Align the corner legs. Install gable tension tubes standard L=4110 to simplify assembly. They are installed on end fitting Z for the tension tubes. Then anchor the corner legs, use 2 pcs Earth spike L=500 and 2 pcs Earth spike L=750 per ground plate. Then finish spiking on the long sides. Each ground plate should be anchored with a total of two earth spikes L=500 and two earth spikes L=750 per ground plate.

13. The gable cloths are tensioned by lacing the gable cloths together all the way down as described above (item 5). The straps on the inside of the lacing are then tensioned round the gable legs. The hooks on the rubber straps at the base of the gable cloth should then be moved under the tension tube and up again, to be hooked to the empty eyelet.



14. Install the roof cloths by rolling them out on one long side (1 tent cloth per compartment). The pulling eyes should be on top and the rubber bands with hooks on the inside. Install guide wheel GL on each leg eaves) in the compartment where the roof cloth will be installed.



Throw 2 pull ropes over the tent. Fix them to the pull eyes on the tent cloth and guide the tent cloth in through the guide wheels and in over the upper round slot in the roof beam. Carefully feed the roof cloth in so that the pull eyes are pulled in equally on each side.



Then pull the roof cloth so that it is equally distributed on both sides. Disconnect the pull ropes and move the guide wheel from arch 1 to arch 3. Repeat until all roof cloths are installed. Roof cloths are tensioned by pulling the rubber straps in the roof over and round the intermediate stay and up again, to be hooked onto the empty eyelet.



15. Install the walls by threading the wall cloths into the circular slots from the legs, from the eaves and downwards. Tensioning is done by threading the hooks on the rubber straps at the bottom of the cloth under the tension tubes and up again, to be hooked onto the empty eyelet.



16. Lastly, re-tension the tension straps in the roof and walls.



