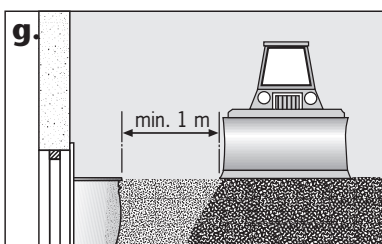
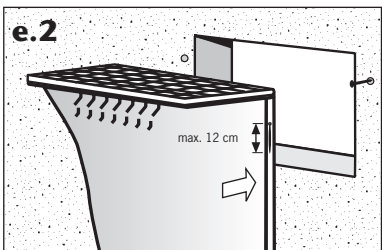
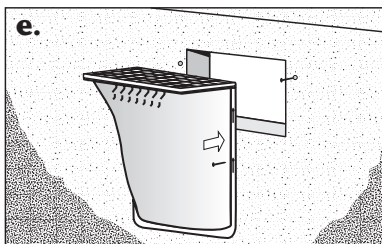
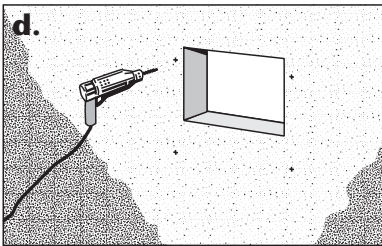
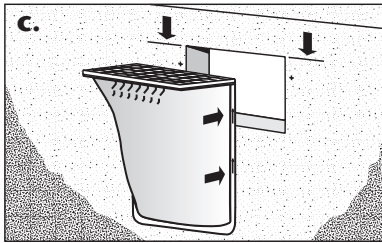
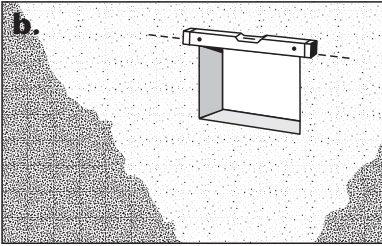
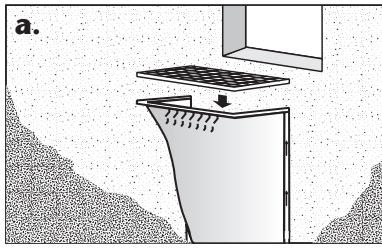


Assembly instructions

Note: These assembly instructions to be read in conjunction with the sales brochure.



■ Assembly ACO Light Shaft for pedestrian/light vehicle (a.-h.)

- Before securing the Light Shaft in position, insert the grid and fix the grid fastener to the Light Shaft.
- Mark the position of the unit so that the top edge of the Light Shaft is equal to the finished surface of the ground level. When using the ACO assembly aid, the upper edge of the assembly aid should equal the top edge of the Light Shaft. The distance between the lower edge of the window to the base of the Light Shaft should be at least 15 cm (pursuant to DIN 18195).

- Mark the two upper fixing holes with inserted grid.
- Drill the holes.
- Pedestrian model:** Insert the dowels, and bolt on the Light Shaft. Use slotted washers if necessary.

Light vehicle model: The Light Shaft must be installed directly on the cellar wall. Bang in the heavy duty anchors with the screwed on nuts. Remove the nuts, hang in the Light Shaft, bolt on with the washer and the nuts.

Assembly on insulation pedestrian: Bang in the heavy duty anchors with the screwed on nuts through the insulation and into the cellar wall. Remove the nuts, hang in the Light Shaft, bolt on with the washer and the nuts. Then drill the lower holes and fasten the Light Shaft into position.

- Backfill carefully in layers with homogeneous material, and then compact. The grid has to be in position during the compaction process. The distance between the compactor and the Light Shaft should become larger as each higher layer is compacted. The top layer around the Light Shaft should be compacted manually. This should be done in accordance with the regulations in DIN 18300.

- Keep a proper distance away with the vibrating plate, tamper and heavy

plant.

- Lay the surrounding paving around the Light Shaft in a mortar bed.

■ Height adjustment for Light Shafts 100 x 100 x 40 + 100 x 130 x 40

Prior to backfilling:

- Loosen screws.
- Position Light Shaft at the required height (max. + 12 cm)
- Retighten the screws.
- Continue from instruction "f"

■ Assembly ACO Raising Element (old model) pedestrian only:

- Only possible after the Light Shaft has been assembled.
- Place the grid in the Raising Element.
- Position stiffening frame in the Light Shaft grid seat.
- Adjust to the desired height by using the Raising Element. The height can only be adjusted using the lowest element.
- Drill the holes.
- Bolt the Raising Element into position.
- Backfill carefully in layers with homogeneous material, and then compact as described in instruction "f".
- Keep a proper distance away with the vibrating plate, tamper and heavy plant.
- Lay the surrounding paving around the Light Shaft in a mortar bed.

■ Assembly ACO Raising Element (old model) light vehicle:

Only possible with 40 cm deep Light Shaft and with one element. Assemble directly on cellar wall only. NOT possible to assemble on insulation. Assemble in accordance with the assembly instructions in fixing set Art.-No. 35908.

■ Assembly of the new ACO Raising Element

Assemble in accordance with the assembly instructions in the fixing set.

■ Important instructions:

- Light Shafts or Raising Elements. Do not apply loads to Light Shafts or Raising Elements before they are backfilled.
- Protect Light Shafts from falling objects during the construction phase.
- During compaction, always place the grid in position or use the stiffening frame.
- The compacted soil may settle after some time.
- Light vehicle Light Shafts should only be driven over longitudinally (parallel to the assembly wall). Completely driving over the Light Shaft only possible in agreement with the ACO Applications Engineering Department.

