

Light Shafts

INSTALLATION

Before installing the light shaft, ensure that its dimensions match the window opening.

The inside length of the light shaft (L) must be at least 100 mm greater than the width of the window opening (L1) (Fig. 1). The inside height of the light shaft (H) must be at least 50 mm greater than the height to the bottom edge of the window opening (H1) (Fig. 2).

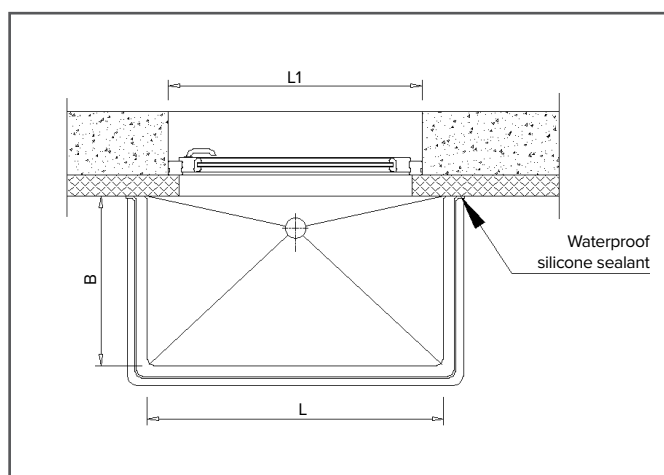


Fig. 1

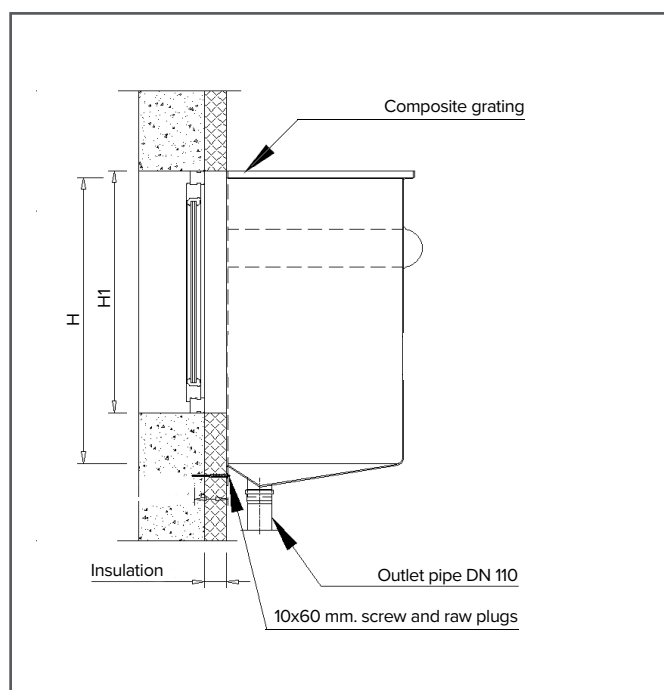


Fig. 2

1. Marking and drilling the mounting holes

Mark the drilling positions on the light shaft mounting flange. The holes should be positioned 45 mm from the outer edge of the flange, with a spacing of 150 mm between adjacent holes (Fig. 3 and 4).

Drill the mounting holes in the flange at the marked positions.



Fig. 3

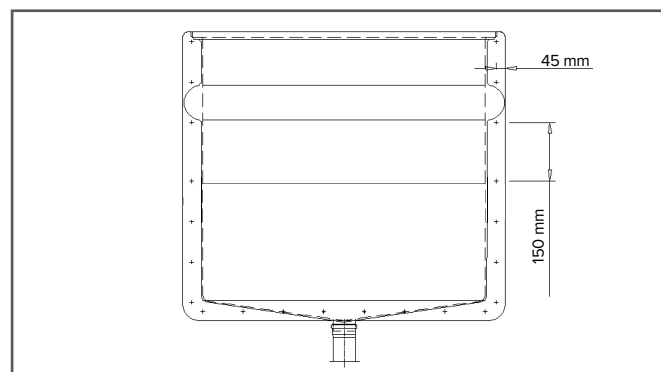


Fig. 4

2. Positioning the Light Shaft

Measure and mark the position of the light shaft on the exterior wall, using the centre of the window as the reference point. Check that the top edge of the light shaft is level.



Fig. 5

3. Marking the drill holes on the outer wall

Mark the drill hole locations using the pre-drilled flange holes as a template (Fig. 6).

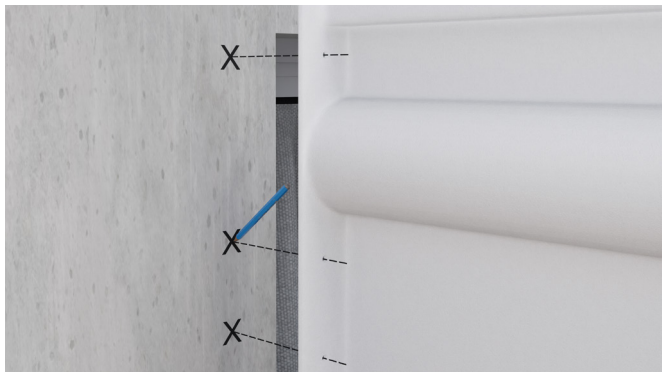


Fig. 6

4. Applying the silicone sealant

Clean the mounting flange with alcohol.
Apply waterproof silicone sealant evenly to the entire mounting flange.



Fig. 7

5. Anchoring the light shaft

Drill the mounting holes in the exterior wall and install the wall plugs.

For non-insulated walls, use 10 × 60 mm hot-dip galvanized steel screws with wall plugs. For insulated walls, use screws that are 60 mm longer than the insulation thickness (Figs. 7 and 8).



Fig. 8

6. Angle support profile installation

For light shafts longer than 2000 mm, one angle support profile is supplied.

Install the profile on the exterior wall above the window opening, with its top edge level with the light shaft's grille support edge (30 mm below the top edge of the light shaft) (Fig. 9 and 10).

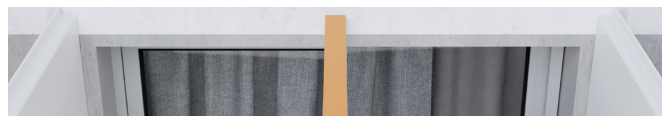


Fig. 9

7. Installation of the grate and extra equipment

Install any additional equipment such as a water trap, leaf catch or ladder, after which the grate and any child safety device are installed.



Fig. 10

8. Connecting the drain

Connect the rainwater pipe to the drain.

Backfill around the light shaft with 200 mm layers of stone-free sand, compacting each layer to a minimum of 95% Standard Proctor.



Fig. 11