

Ⓜ Downlights

⚠ **Danger of electrocution!**

Be sure to have a professional electrician complete installation. There is no warranty coverage for any lamps installed without observing European safety directives.

⚠ **Fire hazard!**

Do not cover lamps with heat-insulating materials. Ensure that minimum clearance between the lamp and the nearest object which the lamp is shining on is maintained (see label on lamp).



⚠ **Danger of injury!**

Only use suitable lamps.

Capsule lamps:

Use bipin base halogen lamps only.

All other lamps:

Use closed reflector halogen lamps only.

⚠ **Caution!**

Use HO3VVH2-F 2x 0.75 mm cable only for all connections.

Use low-pressure halogen lamps only which comply with IEC 598 (EN 60598). The lamps must be permissible for use as exposed lamps.



The lamp is suitable for mounting on normally amenable surfaces such as wood and particle board materials which are more than 2 mm thick. Only install lamps so that they shine downwards.

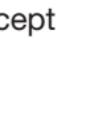


Technical data: See label on lamp.

Low-voltage operation:

Protection class 3 – Low-voltage 12 V.

Use an isolating transformer complying with EN 61558, electronic step-down converter complying with EN 61347 or a voltage source complying with DIN VDE 0100, Part 410. Be sure to observe the instructions for installation of the device being used.



Use low-voltage traction relief (except for capsule lamps).

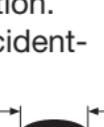
High-voltage operation:

This is only possible with specially marked lamps (see label on lamp).

Protection class 2 – high voltage 230 V. Use halogen high-voltage lamps and high-voltage traction relief.



CE compliant with the applicable European directives.



Installation

Danger of electrocution!

Switch off voltage prior to installation. Ensure that voltage cannot be accidentally switched on again.

1. Saw a hole at the installation location (see package for diameter).
2. Mount the transformer according to the transformer instructions (only for low-voltage operation). Connect it on the input side of the 230 V cord and on the output side of the 12 V cord (see Figure 1).

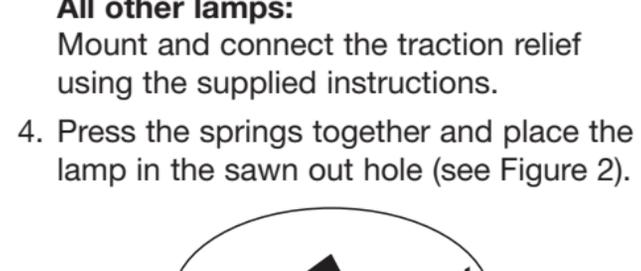
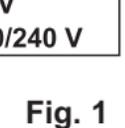


Fig. 1

3. Connect the lamp.

Capsule lamps:

Connect the lamp and transformer. Use a terminal clamp.

All other lamps:

Mount and connect the traction relief using the supplied instructions.

4. Press the springs together and place the lamp in the sawn out hole (see Figure 2).

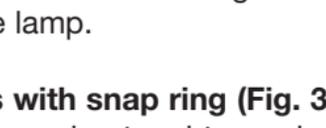


Fig. 2

Replacing lamp

⚠ **Danger of electrocution!**

Always disconnect voltage before replacing the lamp.

Models with snap ring (Fig. 3):

1. Press snap ring together and remove.
2. Take the lamp out of the fixture.
3. Insert a new lamp.
4. Put snap ring back in. The snap ring is seated properly when the lamp is fixed in the highest possible position and the end of the snap ring points downward.

Models with removable baf

1. Pull baffle off.
2. Pull lamp out of fixture and remove baffle.
3. Insert a new lamp.
4. Put baffle on.

Models with quarter-turn fastener (Fig. 5):

1. Turn the quarter-turn fastener anticlockwise and remove.
2. Take the lamp out of the fixture.
3. Insert a new lamp.
4. Put quarter-turn fastener on and tighten by turning clockwise.

Capsule lamps (Fig. 6):

⚠ **Caution!**

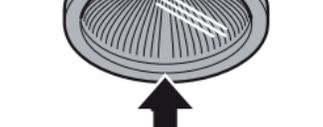
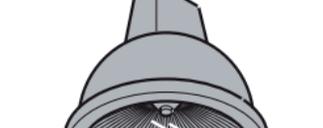
Do not touch the halogen lamp with your bare fingers. Oily residue will considerably shorten the service life of the lamp. Use a lint-free cloth.

1. Take the lamp out of the fixture.
2. Insert a new lamp.



Fig. 3

Fig. 4



Caution!

Stainless steel downlights require a regular care.

Please do not use any strong cleaner. We recommend cleaning with

Item No. 55137 (surface cleaner) and

Item No. 55136 (sponge universal cleaner)

