

Assembly/operating instruction for recessed lights

ZDV000M

1. Intended use

This product is for lighting purposes only and: -may only be mounted radiating downwards -must not be exposed to strong mechanical loads or heavy soiling -may not be operated after damp or dirty storage until after a condition check -may not be changed or modified, otherwise the operating permit and conformity will expire with immediate effect! It is not allowed to remove the type plate.

▲ If the aforementioned points are not observed, a short circuit or electric shock may occur! **There is danger to life!**

2. General safety instructions

- ▲ The complete installation may only be carried out by an authorized electrician who is familiar with the applicable guidelines. Hereinafter referred to as „qualified electrician“.
- ▲ For safe handling of the product, the user must have read and understood the installation/operating instructions completely before using the device for the first time.
- ▲ The product may only be used if it is alright. If the device or parts of it are defective, it must be repaired by a qualified electrician.
- ▲ Only use lamps/light source approved by the manufacturer. The max. lamp wattage in watts is not allowed to be exceeded.
- ▲ This product is not a toy and is not allowed to be stored or used within the reach of children.
- ▲ Safe operation of the product is only guaranteed if these instructions are followed. Therefore, keep these assembly/operating instructions. SSC-LUXon GmbH accepts no liability if the instructions given here are not followed or the lamp is subjected to improper use.

3. Assembly & configuration

- ▲ **Caution:** The connecting cable must be disconnected from the power supply before starting work (switch off the main switch/fuse)! Only use parts which are supplied with the product or which are clearly marked as equipment! Otherwise the product may not be sufficiently safe!
- ▲ The cable routing shown in the illustrations is for simplified purposes only. They in no way represent a recommendation for connection! The connection may only be carried out by a qualified electrician.
- ▲ When drilling, pay attention to cables and gas and water lines. Always route the cable so that it does not touch the luminaire. Fig.5.2

3.1 Assembly location

The product is suitable for installation in suspended ceilings. The product may only be installed on a stable, tilt-resistant and level surface. The minimum distances in Fig.5 must be observed! Sufficient air circulation must be ensured! Do not cover the product under any circumstances, especially not with insulating material! **Fire hazard!**

- ▲ Components of the luminaire and especially the lamps/light source become hot during operation. Especially in the case of halogen lamps/light source. Keep a sufficient distance (0,5 m) from easily flammable objects (e.g. curtains, drapes, etc.) and flammable materials (ignition temperature < 250°C)!

4. Operation, bulb replacement, faults & disorders

- ▲ **Caution:** Disconnect the connecting cable from the power supply before replacing lamps/light sources! Halogen lamps/light sources become very hot during operation - risk of burns! Therefore, do not touch the protective glass or the reflector! Allow to cool down before replacing! Do not cover! Covering with (e.g. towel) is a fire hazard! Luminaires with protective cover may only be operated with complete protective cover!

- ▲ Never look directly into the light source!

What to do in case of error?

In the event of a fault, the unit must be switched off immediately. The product may only be operated if it functions faultlessly. The unit may only be put back into operation after it has been checked by a qualified electrician! **This is the case if:**

1. there is visible damage, 2. the product is not working correctly, 3. there is smoke, steam, or audible crackling noises, 4. overheating can be detected.

- ▲ **Caution:** There is a danger to life - repairs to the product or work on parts carrying mains voltage may only be carried out by qualified electricians.

Avoidance of disturbances and fire hazards:

It is not allowed to cover the product under any circumstances. Air circulation must be ensured. Nothing may be attached or hung on the product, especially no decoration.

5. Cleaning & care instructions

The product may only be wiped dry or carefully with a slightly damp and lint-free cloth. The product is not allowed to be removed for this purpose. Do not use abrasive or sharp objects or aggressive cleaning agents. Do not use solvents.

Technical data & assembly instructions model RF-2 & QF-2**A1**

Can only be used indoors

1. Measure and cut out the cutout (Ø see technical data table). **A1 Fig.1**
2. Insert the light source into the recessed light and connect the connecting cable with the mains cable. **A1 Fig.2**
- Important:** Insert the module at an angle. The module must slide under the rivet. Otherwise the module will not sit properly in the frame.
3. **Attention:** When using halogen lamps, these may be used with a max. of 50W.
4. Press the spring clips upwards and insert the light into the cutout. **A1 Fig.3.a + b**
5. Suitable for ceilings from 3-20mm thick. **A1 Fig.4**
6. Make sure that the product cannot fall down after assembly!
7. The product is now ready for use.

Type:	Recessed light
Model:	RF-2 (round) QF-2 (square)
Protection type:	IP23
Voltage:	12V or 230V / 50-60Hz
Material:	Aluminium
Light source:	LED Module
Cutout:	75-80mm
Measurements:	Ø 92mm 92x92mm
Rotation range:	360°
Swivel range:	30°
Installation depth:	5W: 30mm / 6W: 40mm / 10W: 53mm / 15W: 73mm

Technical data & assembly instructions model recessed glas lights**A1**

Can only be used indoors

1. Measure and cut out the cutout (Ø see technical data table). **A1 Fig.1**
2. Insert the light source into the recessed light and connect the connecting cable with the mains cable. **A1 Fig.2**
3. **Attention:** When using halogen lamps, these may be used with a max. of 50W.
4. Press the spring clips upwards and insert the light into the cutout. **A1 Fig.3.a + b**
5. Suitable for ceilings from 3-20mm thick. **A1 Fig.4**
6. Make sure that the product cannot fall down after assembly!
7. The product is now ready for use.

Type:	Recessed light
Model:	Glas (round) Glas (square)
Protection type:	IP23
Voltage:	12V or 230V / 50-60Hz
Material:	Glas
Light source:	LED Module
Cutout:	60-70mm
Measurements:	Ø 90mm 90x90mm
Rotation range:	-
Swivel range:	-
Installation depth:	5W: 15mm / 6W: 30mm / 10W: 45mm

Technical data & assembly instructions model RW-1 & QW-1**B1**

Can be used indoors and outdoors

1. Measure and cut out the cutout (Ø see technical data table). **B1 Fig.1**
2. Insert the light source into the recessed light as follows. **B1 Fig.2.1** - Subtract part A from part B. **B1 Fig.2.2** - Guide the light source sideways into the holder. **B1 Fig.2.3** - Plug part A back onto part B.
3. Connect the mains cable. **B1 Fig.3**
4. Press the spring clips upwards and insert the light into the cutout. **B1 Fig.4.a + b**
5. Suitable for ceilings from 3-20mm thick. **B1 Fig.5**
6. Make sure that the product cannot fall down after assembly!
7. The product is now ready for use.

Type:	Recessed light
Model:	RW-1 (round) QW-1 (square)
Protection type:	IP65
Voltage:	12V or 230V / 50-60Hz
Material:	Aluminium / steel
Light source:	LED Module
Cutout:	57-75mm
Measurements:	Ø 84mm 84x84mm
Rotation range:	-
Swivel range:	-
Installation depth:	50mm

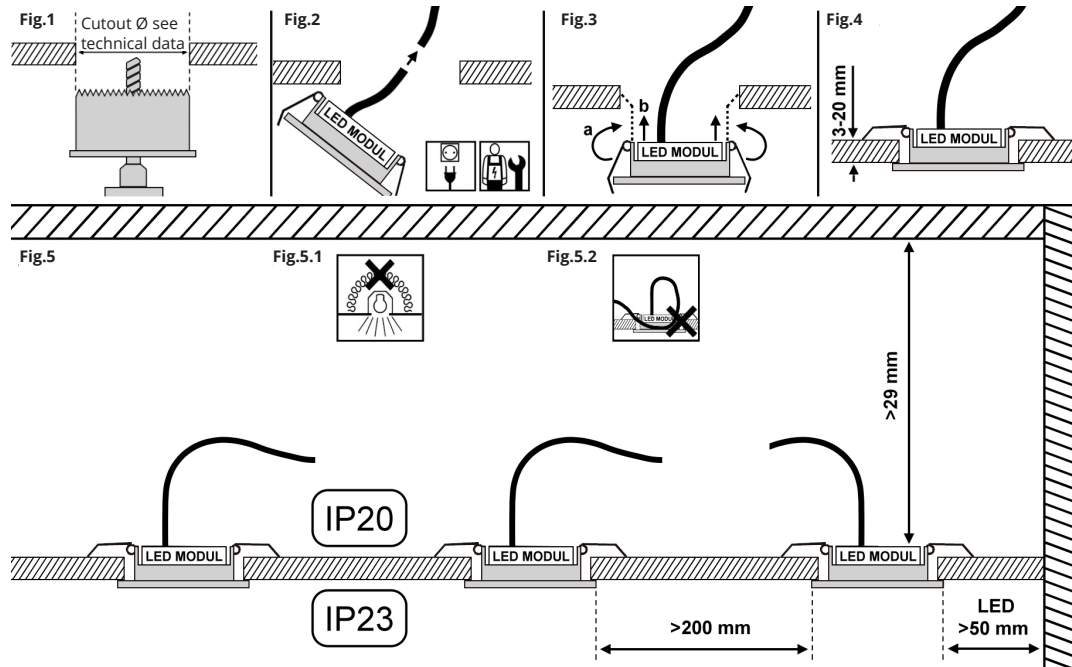
Technical data & assembly instructions model RW-2 & QW-2**C1**

Can be used indoors and outdoors

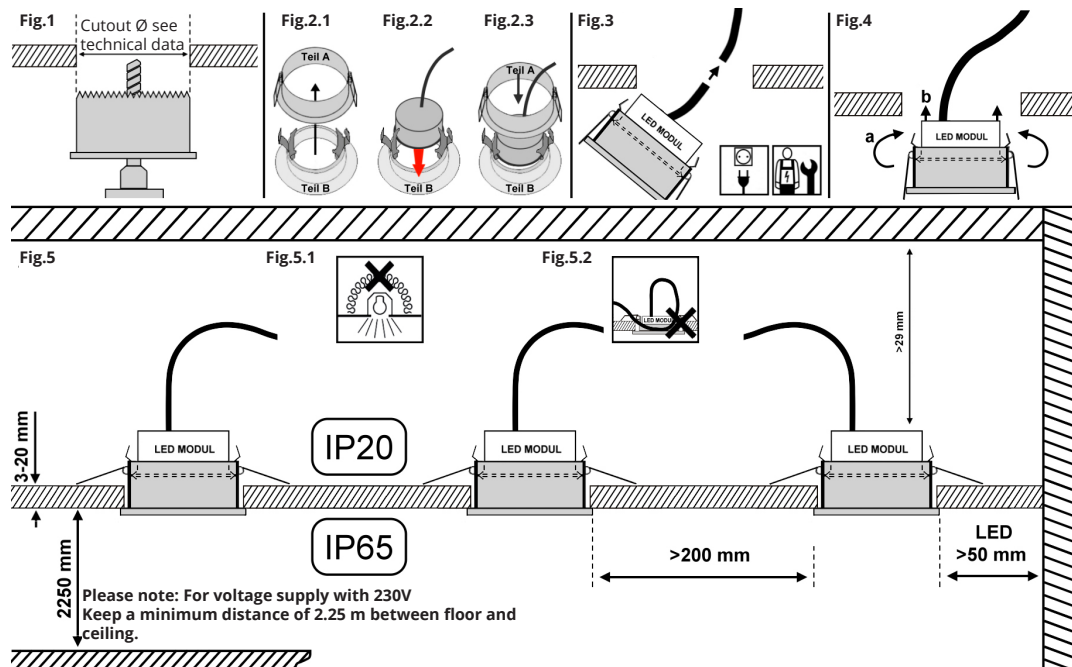
1. Measure and cut out the cutout (Ø see technical data table). **C1 Fig.1.1**
2. Push out the inner ring with the glass pane from behind (the springs point in your direction) with both thumbs. **C1 Fig.1**
3. Insert the light source into the recessed light from the front and connect the connecting cable with the mains cable.
4. **Important:** Insert the LED module straight into the frame with a little pressure.
5. If halogen lamps are used, they may be used with a maximum of 50W.
6. Press the spring clips upwards and insert the lamp into the cutout. **C1 Fig.3.a + b**
7. Suitable for ceilings from 3-20mm thick. **C1 Fig.4**
8. Make sure that the product cannot fall down after assembly!

Type:	Recessed light
Model:	RW-2 (rund) QW-2 (quadratisch)
Protection type:	IP44
Voltage:	12V or 230V / 50-60Hz
Material:	Aluminium
Light source:	LED Modul
Cutout:	57-68mm 57-75mm
Measurements:	Ø 80mm 90x90mm
Rotation range:	-
Swivel range:	-
Installation depth:	5W: 30mm / 6W: 40mm / 10W: 53mm
Floor-ceiling distance:	12V no default / 230V min. 2,25m

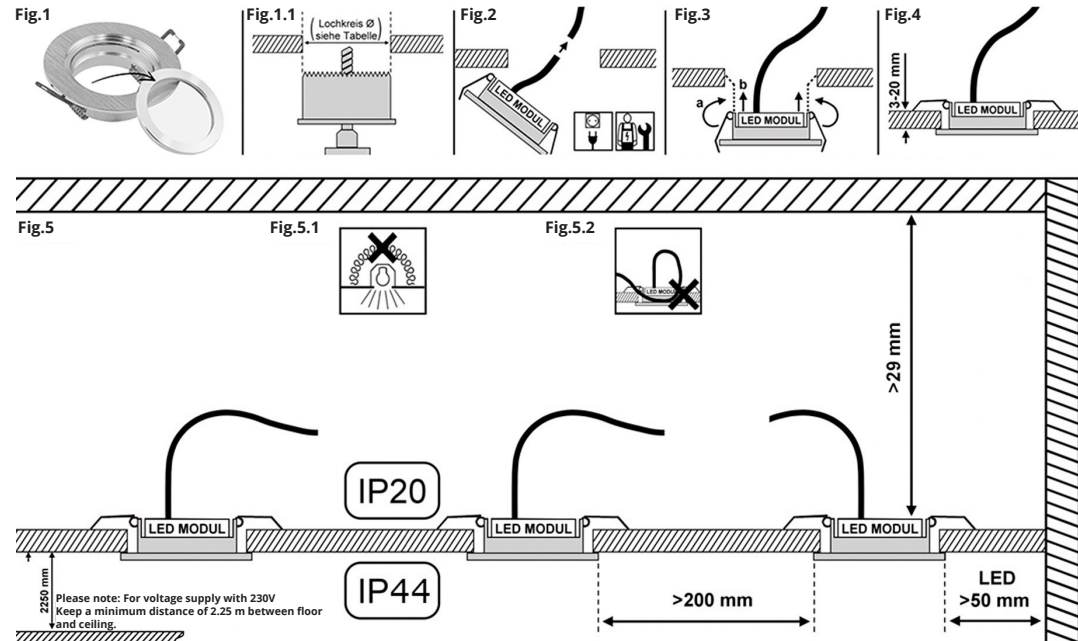
Installation diagram RF-2 / QF-2 / glass frame - A1



Installation diagram RW-1 / QW-1 - B1



Installation diagram RW-2 / QW-2 - C1



Notes / explanations & legend

The following applies to all models

- Disconnect the device from the mains power before starting
- Protection class II
- Do not cover with insulating material. Fig.5.1
- Installation only by qualified electrician
- Distance to illuminated objects min. 0.5m
- CE

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Notes on use indoors & outdoors

- ▲ Protection type IP20 & IP23: Use only indoors and dry, i.e. do not use in damp or dirty rooms and in areas of high humidity.
- ▲ Protection type IP44 & IP65: Can be used indoors and outdoors.

Online shop:
www.led-lichtraum.de

★ Satisfied with your product?
Then we look forward to your product review in our online store, on Amazon or eBay!

Disposal instructions

Make sure to dispose packaging in accordance with the applicable guidelines of your local authority. Devices marked with the crossed-out waste garbage do not belong in the household waste! You are obliged to hand in these devices at one of the free collection points in your municipality. You can obtain more information from your local authority, the relevant town hall or a local or regional waste disposal company.

▲ Keep packaging material and small parts away from children and animals. Danger of suffocation!



- Instructions for installation with GU10
- Instruction manual in English
- Manuel d'instructions en français

www.led-lichtraum.de/manuals



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