

## Assembly/operating instructions / technical data for recessed light IP65 round

### 1. Intended use

This product is for lighting purposes only and: - be mounted radiating downwards only - can be installed indoors and outdoors - protection type IP65, suitable for use in damp areas - 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 sources 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.

Linovum 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.

▲ Watch out for cables and gas and water pipes when drilling. Always route the cable so that it does not touch the light. **Fig.5.1**

#### 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!

▲ Keep a sufficient distance (0.5 m) from easily flammable objects (e.g. curtains, drapes, etc.) and flammable materials!

### 4. Operation, bulb replacement, faults & disorders

▲ **Achtung:** Disconnect the connecting cable from the power supply before replacing lamps/light sources! Allow to cool down before replacing! Do not cover! Covering with (e.g. towel) is a fire hazard!

▲ Never look directly into the light source!

#### What to do in case of error?

In case of an error, the device must be switched off immediately. The product may only be operated if it works correctly. The device 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.

▲ The product must not be covered under any circumstances. Air circulation must be guaranteed. 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.

### Assembly instructions



1. Measure and cut out the cutout (Ø see technical data). **Fig.1**
2. Detach the front from the inner part by pulling gently. **Fig.2.1**
3. Insert the lamp from the side into the retaining clips. **Fig.2.2**
4. Reassemble the front and the inner part incl. bulb. **Fig.2.3**
5. Connect the lampholder or LED module directly to the mains cable - e.g. luster terminal etc. **Fig.3**
6. Connecting the GU10/MR16 socket to the lamp (bayonet lock). **Fig.4.a**
7. Press the spring clips upwards and insert the lamp into the cut-out. **Fig.4.b + c**
8. Suitable for ceilings from 3-20mm thick. **Fig.5**
9. Make sure that the product cannot fall down after assembly!
10. The product is now ready for use.

### Technical data



Can be installed indoors and outdoors

Type:	Recessed ceiling frame
Model:	810002012 / 810002013
Protection type:	IP65
Voltage:	12 V oder 230 V ~ 50 Hz
Material:	Aluminium / glas
Light source:	MR16, GU10 or LED-Modul - max. 15 W
Measurements:	Ø 83 mm
Installation depth without light source:	50 mm
Cutout:	68-73 mm
Colour:	White / silver

### Important information



Distance to illuminated objects min. 0.5m



Protection class II



Installation only by qualified electrician



Disconnect the device from the mains power before starting any work



Do not cover with insulating material

### 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 & IP6x** - Can be used indoors and outdoors.



Web:  
**www.linovum.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!**



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Fig. 1

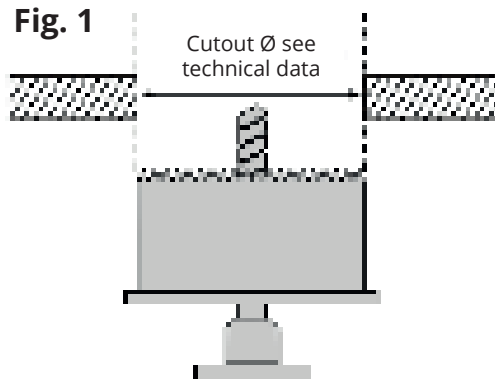


Fig. 2.1

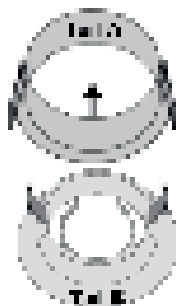


Fig. 2.2

GU10, MR16 or  
Insert LED module  
laterally into the  
holder



Fig. 2.3



Fig. 3

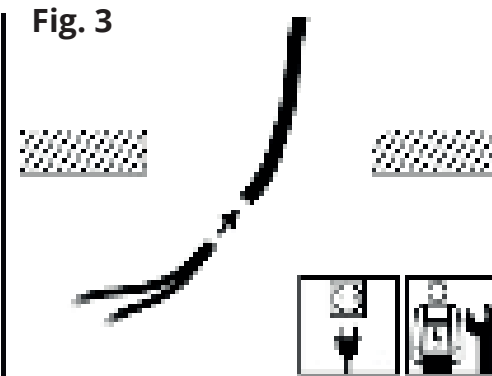


Fig. 4

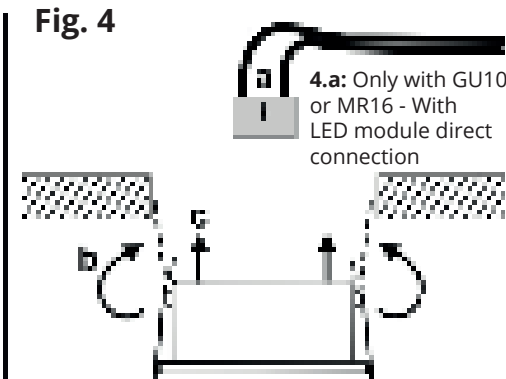


Fig. 5

Fig. 5.1

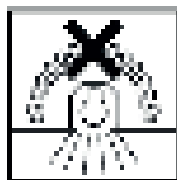


Fig. 5.2

