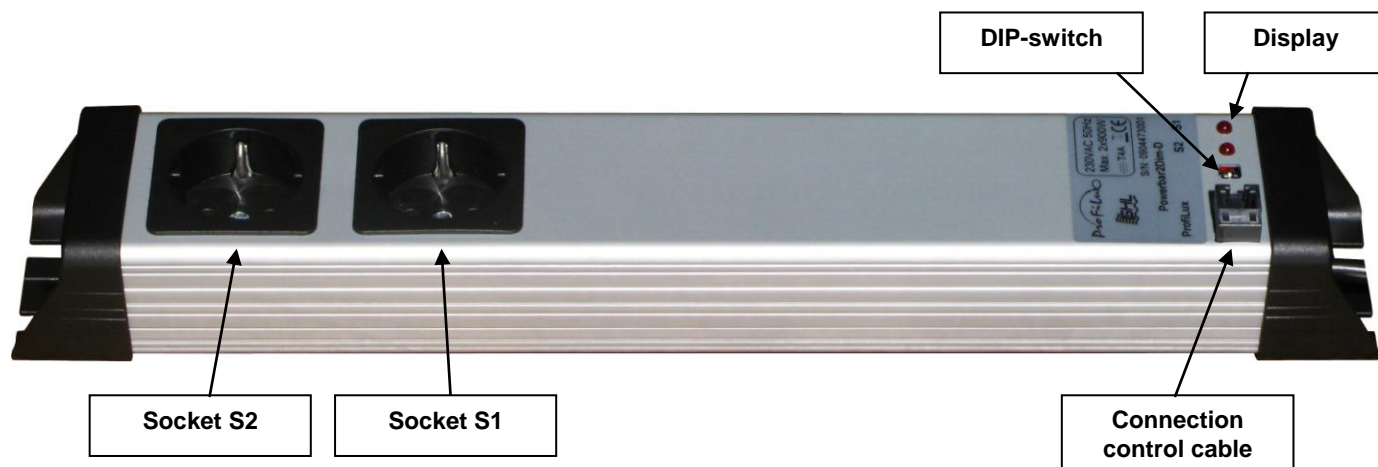


# Powerbar2Dim-D



## User manual for dimmable powerbar



**Please read the following instruction thoroughly.  
Non-observance can lead to a loss of warranty!**

### Dear customer,

You have acquired a high-quality product which has been tested several times during the production. In case of a malfunction please proceed as follows:

- In case of a warranty claim please contact immediately your retailer
- Don't try to repair damages on your own
- Use the original packaging for a transport in order to avoid damages

Please read this instruction thoroughly to avoid damages and to enable a proper usage of the product!

### Scope of delivery

These items have to be available

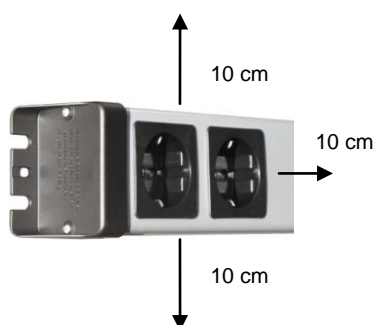
- Powerbar2Dim
- Control cable

### Mounting

The powerbar is not waterproof! Avoid splash water or too high air humidity, choose a safe and dry location. A high air humidity (especially in case of salt water), as it can e.g. be found in the near of aquariums or sumps, will damage the electronics after a while. Don't use it outdoor!

The powerbar can be fixed with the help of the clips on the side.

The dimmable powerbar becomes warm at a high load, so arrange a sufficient heat dissipation. The powerbar may not be covered in any case; the minimum distance of 10 cm to nearby objects has to be absolutely kept as follows:



**If the minimum distances are not kept as instructed, an overheating can lead to a destruction of the powerbar, furthermore there is the danger of fire!**

#### **Connection**

Plug one side of the control cable into the Western socket, the other side into a 1-10V-connection of the ProfiLux (L1L2, L3L4 or L5L6 and so on), at any rate don't use any other connection (e.g. S1-S4 for powerbars), this may lead to destruction! Plug the power supply plug into a sufficiently fused (max. 16A) socket.

#### **Operation**

The dimmable powerbar disposes of 2 separately dimmable sockets. A switched-on socket is signaled by a red LED. Each socket has a corresponding DIP-switch with which the operating mode can be set. The switch is built in deepened to avoid an unintentional switching, for switching you can use e.g. a small screw driver.

The switch defines if the socket reacts to a positive or negative control voltage:

- **Switch not at ON** (delivery status): Normal operation, socket reacts to a positive control voltage – this is the correct setting for the illumination, current pumps or downwards regulation of a controller (e.g. cooling of the temperature regulation).
- **Switch at ON**: Inversed operation, socket reacts to a negative control voltage, this is the correct setting for the upwards regulation of a controller (e.g. heating of the temperature regulation).

Please read further important information in the user manual of the ProfiLux!

#### **Load capacity & Fuses**

A socket can be loaded with max. 4A, this corresponds, according to the supply voltage, to a power of ca. 900W.

Each socket has its own fuse. A defective fuse can be replaced by opening the housing. Replace the fuses only if the powerbar is disconnected from the power supply!

The housing has to be opened carefully, don't damage the electronics inside!

You are only allowed to connect electrical consumers that can be dimmed with phase controlled modulation. These are generally ohmic and slightly inductive consumers such as usual bulbs, several motors and glow bars.

At any rate you may not connect conventional or electronical ballasts, as they are used e.g. for the operation of fluorescent tubes or metal halide lamps, except the manufacturer permits explicitly the usage with a phase controlled modulation dimmer.

If you like to control the speed of a motor with a dimmable socket, then make sure that the connected motor can certainly start also in the lowest dim grade in each operating mode, if necessary increase the lower voltage of the corresponding 1-10V-interface in the ProfiLux. If the motor is energized and doesn't start, the motor will be destroyed after some time, since the windings burn through.

**At any rate, clarify first with the manufacturer of the device to be dimmed if the device is suited for dimming !**

**We exclude any warranty due to a false handling or overload or the connection of not suited devices!**