

MOUNTING INSTRUCTION SHEET

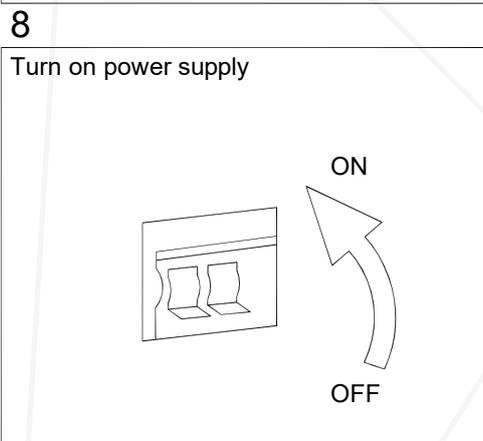
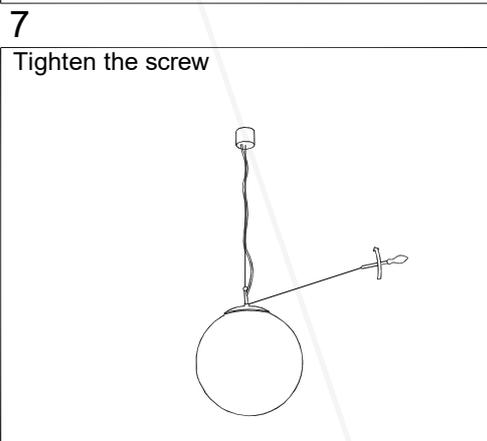
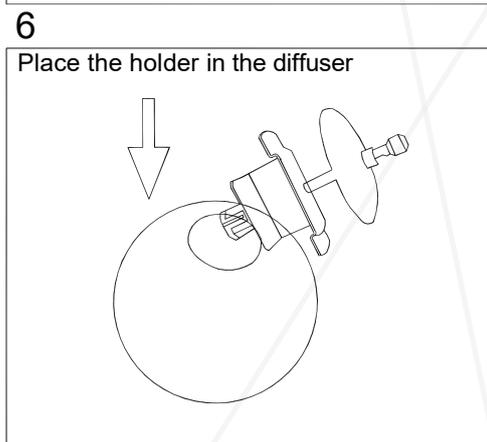
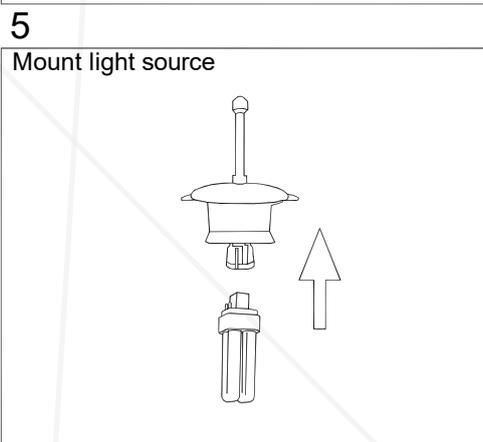
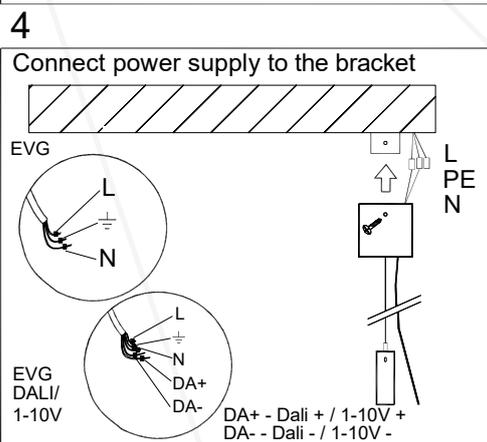
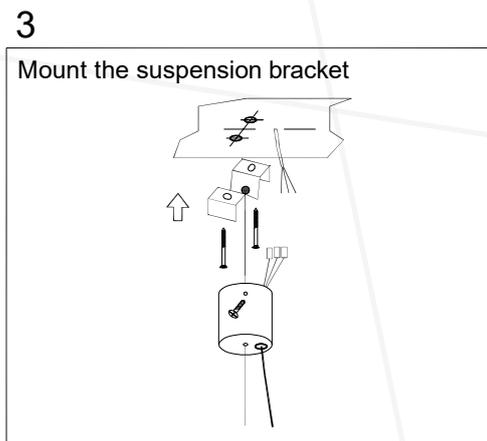
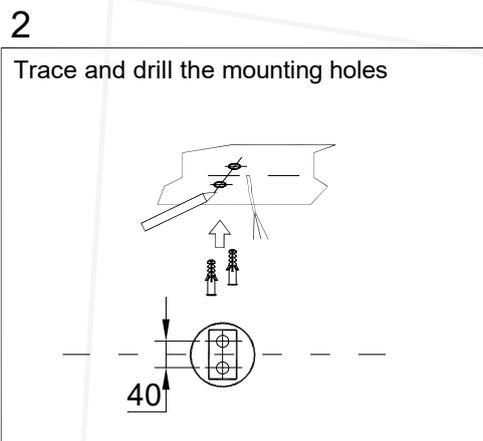
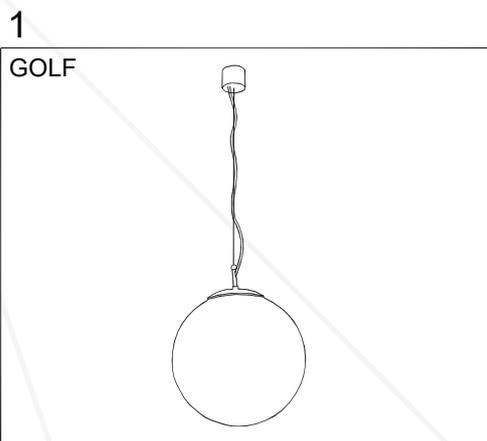
GOLF



1. General

To ensure correct use, please read these instructions carefully.

- All luminaires must be installed by a qualified electrician.
- Installation and replacement of damaged luminaires, cleaning and other service works must be carried out by a qualified personnel with power disconnected.
- Make sure the cables are connected to the corresponding connector terminals. For luminaires with emergency power module, use an additional connector between the battery and the converter.





For safety reasons, it is necessary to read these instructions before starting the assembly. The instructions should be kept for future purposes. The fitting being the subject of these instructions must be used according to its original purpose. Fittings can be installed only by persons who are trained and duly authorized to do so.

1. The Producer has the exclusive right to introduce modifications to the product.
2. During the assembly of the fittings it is necessary to use the disposable gloves enclosed in the packaging.
3. The Producer shall not be held liable for the following:
 - damages which occur after the product has been modified by a user,
 - damages to the product resulting from installation not carried out in compliance with the instruction for assembly, installation by unauthorized persons or damages resulting from unsuitable storage,
 - the product getting dirty during assembly if the person carrying out the assembly does not wear disposable gloves.
4. While mounting luminaires stiffness and carrying capacity provided by ceiling manufacturers have to be taken into consideration. (Concentrated and Uniformly Distributed Load)

Notice: Ceiling-type fittings must not be covered with an insulating mat

Maintenance

During the exploitation period of lighting it is necessary to inspect the fittings in order to detect malfunctions and mechanical damages, as well as impurities, in particular those of elements in the optical system.

1. Before proceeding to the inspection of a fitting, the power supply must be turned off.
2. Elements of the fitting which get used up or damaged in the course of standard exploitation must immediately be replaced with new and defect-free elements.

The fittings do not pose any threats to the safety of humans or property, provided that they are properly installed, maintained and used in compliance with their original purpose.

Cleaning Instructions

There are several ways to clean acrylic or polycarbonate optical components

1. For normal cleaning of loose dirt and dust, use an anti-static wipe cloth.
2. Use a clean, lint-free cloth and a mild soap solution. Rinse with warm water and let air dry or blow dry with a clean (preferably destaticized) air supply. This will work to remove fingerprints.
3. To clean excessive dirt or caked on dirt, please use ultrasonic cleaning. This requires specialized equipment and is most useful when cleaning a large quantity of components.
4. You can use most products that are designed to be used for cleaning glass windows or acrylic bathtubs.

DO NOT USE THE FOLLOWING PRODUCTS:

- 1) Acrylic polishes
- 2) Any products which contain the chemicals Methanol, Isopropyl, Acetone or MEK

Usage Instructions

1. Optical components should be handled with the same care as highly polished aluminum reflectors.
2. Handling using clean cotton gloves.
3. Please note the following issues when installing optical components during building construction.
 - a. Use the same precautions you would use for glass or aluminum reflectors.
 - i. You may see a surface accumulation of concrete/drywall dust, atomized floor waxes and floor sealants.
 - ii. If left exposed to construction debris or high levels of dirt and dust, deposits will accumulate on the surfaces. Clean the component according to the Cleaning Instructions above.
 - iii. Paint is not easily removed from any prismatic surface (glass or plastic). Reflexors, and other optical injection molded components, are not resistant to spray paints.
 - iv. It is recommended that you clean the parts after short term exposure to high concentrations of these materials
 - v. It is recommended that you clean the Reflexors after the general construction site clean up is completed.

WHERE NOT TO INSTALL AN ACRYLIC OR POLYCARBONATE OPTICAL COMPONENT:

- a. Environments in which oils or oily dirt will condense on the surface.
 - i. This is a problem with all optical components, including glass. Oil wets the optical surface and changes the designed optical properties of the surface. This is especially true for prismatic surfaces.
- b. Environments in which chlorinated hydrocarbons, chlorinated alcohol or acids can condense on the surface (such as cutting oils used in machine shops). Acrylic or polycarbonate may be attacked by these chemicals resulting in stress cracking and/or discoloration.
- c. In applications so hot that the maximum operating temperature on the component exceeds the recommended maximum use temperature of the material.

The use of lighting fittings produced by SPECTRA LIGHTING SP. Z O.O.

Lighting fittings produced by SPECTRA LIGHTING SP. Z O.O. are aimed for use in standard conditions, with the exception of special-purpose fittings. Standard conditions are featured by ambient temperature of -10°C +40°C, pressure of 960-1020 hPa, and humidity of 20 - 80%. Such conditions prevail on the European territory.

The fittings should not be used, if the environmental conditions could harm the structure of a fitting, top coats or electronic component parts placed inside the fitting, causing malfunction of the fitting. The risks factors include i.a. high temperature, excessive humidity, dustiness, the presence of chemically significant substances in the atmosphere (chlorine, salt, acids, alkali), vibrations, shock, exposure to shock, UV radiation, electromagnetic fields. The fittings must be used according to their original purpose. They must be installed according to the installation instructions, solely by persons authorized to do so.