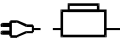


Safety instructions for all **staub designlight** products

1. All **staub designlight** luminaires must be operated only with the transformers and power supply units specified in the catalogue with the appropriate power/voltage.
2. With **staub designlight** luminaires that have been screwed together, check that the front part is tightly closed before using for the first time. Use the universal spanner for this purpose (see Accessories). Otherwise, the leakproofness of the luminaire cannot be guaranteed.
3. Always remember to switch off the power supply before opening the luminaire. If the luminaire is wet, dry the housing thoroughly.
4. Do not expose the hot halogen light to water. The light glass will be damaged by a sudden change in temperature.
5. Never handle the luminaire when it is still switched on or hot. Caution: risk of burns with halogen lights!
6. When operating the **staub designlight** halogen luminaire above water, maintain a minimum safety distance of 20 cm from flammable or heat-sensitive materials on all sides, since the housing of halogen-operated luminaires may heat up to more than 150°C. Do not fit halogen luminaires to flammable floors, walls, ceilings, etc. (wood, plastic, etc.). Use LED instead.
7. Use only halogen light bulbs recommended by **staub designlight ag**. Using the wrong light bulbs can damage the luminaire due to high heat generation. Do not forget to replace the O-ring when changing the light bulb. Read the operating manual that accompanies the product carefully.
8. All **staub designlight** luminaires are suitable for outdoor and indoor lighting, above or below water. Please refer to the individual data sheets for more information on restrictions. All **staub designlight** luminaires that require a plug-in power supply must be operated indoors only.
9. All **staub designlight** luminaires with a standard base as well as Ultraspot, Maxispot, Megaspot and Gigaspot, which are not operated under water, must be mounted on appropriate luminaire holders to allow for sufficient cooling! The luminaires must not be covered by insulating materials such as plastics, fabric, paper, etc. Fire hazard! The ambient temperature must not exceed 40°C.
10. The transformer/power supply unit  (incl. cable) has been designed for outdoor use and is waterproof against temporary immersion according to IP67 (mains plug IP20). However, it must not be placed in water. Any connecting cables must be protected from rodents. The power plug of the connecting cable must be plugged into a waterproof socket that is protected by a residual-current circuit breaker (RCCB). When positioning the transformer/power supply unit on the ground, the four fixing straps must be at the bottom! If the luminaire is operated without a power plug, the power supply (230 volt AC) must be installed by an officially qualified and certified electrician. When changing a fuse in the transformer, always replace the O-ring of the luminaire holder, clean the contact area and check for any damage. Transformers/power supply units installed outdoors in concrete ducts or in the ground using **staub designlight** underground housings (see catalogue page 77) require free air circulation to cool the transformer/power supply unit. Allow any water entering the duct/underground housing to drain immediately (drainage bed). The transformer/power supply unit must not be installed in flammable housings or recesses (e.g. made of wood). All local and national regulations pertaining to electrical installations, in particular VDE 0100, SEV NIN 1000-1, 1995, are to be observed. The input and output circuit installation must comply with local and national installation requirements and be protected by electric wiring conduits. Cables connecting with the transformer cannot be replaced. If the electric cable is damaged, the relevant transformer must be dismantled and removed. All electric cable joints must be potted/sealed to make them waterproof.
11. Underground electric cables must be protected by electric wiring conduits. We recommend that rodent-proof braided hoses be used in areas where animals (e.g. rodents) can access any cables that run above the ground outdoors.
12. All cable joints and electrical connection boxes must be sealed against water.
13. In the event of any damage, make sure the **staub designlight** product is sent immediately to our customer service department for repair. Otherwise we cannot guarantee leakproofness and operating safety.
14. All **staub designlight** LED luminaires must be operated only at a max. ambient temperature of 40°C. The 230 volt AC wiring system must not conduct any unacceptable peak-to-peak voltages, e.g. in the event of thunderstorms, to the transformer/power supply unit. To prevent damage to the electronics and/or LED, the 12/24 volt output must also be protected from DC voltage peaks (even temporary).
15. All **staub designlight** luminaires may be operated only with the appropriate transformer/power supply unit and a line-side residual-current circuit breaker (RCCB). Please check with your certified electrician whether your household circuits are already protected by an appropriate circuit breaker.
16. Modifications or new electric installations requiring operating currents of more than 2 A or operating voltages of more than 50 V AC or 120 DC respectively, must be carried out only by a certified and authorised electrician.

Guarantee, Safety and Care Instructions, Product and Trademark Protection

17. All **staub designlight** luminaires used for underwater lighting outdoors as specified by **staub designlight ag** must be removed during the winter if not immersed at sufficient depth (at least 30 cm). Extremely cold weather conditions (ice) will damage the glass globes, glass bulbs and Spotlight lenses.
18. All **staub designlight** luminaires/accessories used below water must not be exposed to chlorine, hydrochloric acid or other aggressive additives as this may corrode or oxidise the stainless steel surface. This does not include the high-power LED Poolstar swimming pool luminaire, which is suitable for use in swimming pools with standard chlorine levels. Other additives (e.g. saline waters, etc.) must be tested prior to their use for their impact on stainless steel and approved by **staub designlight ag**.



staub designlight ag does not assume any liability nor does it provide any warranty for damage due to non-compliance with the safety instructions

Warranty terms

- **Warranty period:** **staub designlight ag** grants the following warranty periods on all **staub designlight** products as of the date of invoice. These only apply with the relevant warranty labels listed in the catalogue: until December 12, 2008 : 2 years / from January 1, 2009 to December 31, 2013: 2/5 years / from January 1, 2014: 2/7 years. *e-Line* luminaires: until December 31, 2013: 3 years / from January 1, 2014: 5 years. This does not apply to goods for resale, which are subject to the supplier's respective terms of warranty. All work carried out by us in accordance with the customers' specifications or under toll manufacturing arrangements has 1 year's guarantee from the date of invoice. The guarantee includes free repair or free replacement of all elements rendered non-functional by defects in manufacturing or materials. This does not include mechanical damage (including damage to painted surfaces), glass breakage, light bulbs, LEDs, electronic components, shipping costs, consequential damage and the costs of installing and removing the part on site. **staub designlight ag** cannot accept any guarantee for the stated lifespan of light bulbs or LEDs. This also applies to any changes in colour in the light bulbs, LEDs, lenses and dichroic filters. Repairs or free replacement do not extend the warranty period. The guarantee does not cover losses caused by incorrect or improper installation/use of **staub designlight ag** products. If any modifications are made to **staub designlight** products after delivery or if the assembly and/or safety instructions are not observed by the distributor or customer, then this warranty/liability shall end with immediate effect. Any restrictions are listed in the product datasheets/specifications.
- **Protection from rodents:** Rodent protection consists of a high-quality flexible stainless-steel corrugated conduit or stainless steel braided hose, which protects the lighting cables from animal bites. **staub designlight ag** cannot accept any guarantee that use of such protection will prevent the lighting cable or the stainless steel corrugated conduit/stainless steel braided hose from rodent damage.
- **Warranty claims:** In the event of warranty claims, the relevant item must be sent to us together with a copy of the invoice. Defective luminaires must always be returned with the accompanying transformer, power supply unit and electronics (if mounted externally).

Care instructions

All **staub designlight** luminaires and accessories are made of high-quality V2A stainless steel (V4A available for special designs). Aggressive ambient conditions, such as road salt during the winter, rust or other aggressive particles in the air, chlorine in ponds or other oxidising additives, etc. may cause rust particles to form on the surface of our products. To remove any residue on your luminaires, clean the affected parts with a plastic Scotch-Brite pad. Never use steel wool or metal wire brushes as this will damage the stainless steel surface. Then rinse the parts with clean water and let them dry. We recommend using our kit (see page 79) to thoroughly clean and protect the products. Following these instructions will protect our products for a long time against harsh environmental influences and restore them to their original condition.

Product and trademark protection

All **staub designlight** luminaires and accessories are internationally protected by law and must not be reproduced for personal use nor copied without our explicit written confirmation (Article 6 and 8 of Swiss Federal Law). This also applies to all photos and design drawings of all **staub designlight** luminaires. Some of our products are patented in Switzerland or a patent application has been filed. German utility model DGM 20 2009 014 794.0 and 20.2013 104 885.2

April 25, 2014