

## GENERAL MAINTENANCE OF THE LUMINAIRE

The best way to maintain optimal luminaire performance is regular cleaning and maintenance. Cleaning and maintenance of the luminaire can only be performed by an authorized person in accordance with the applicable law. Cleaning and maintenance of the luminaire must not be performed if the luminaire is under electrical voltage!

### CLEANING AND MAINTENANCE

#### *Painted or metal surfaces, lacquered metal*

- Use a soft cloth that does not release fibers, dampened in a solution of water mixed with a mild detergent (soap or disinfectant,  $6 \leq \text{pH} \leq 8$ ).

#### *Glass diffusers and bodies*

- Use common cleaning agents, **it is not allowed** to use abrasive agents and solvents.

#### *Highly reflective surfaces, aluminum reflectors and grilles*

- Use soft cotton gloves to prevent the formation of fingerprints.
- Before cleaning, make sure that all abrasive particles are removed from the surface to prevent scratching.
- To remove dust and fingerprints, use a soft dry cloth (microfiber cloth) that does not leave fibers behind.
- To remove tougher dirt, use a soft cloth that does not leave fibers dampened in a solution of isopropyl alcohol mixed with water and wipe it with demineralized water.

#### *Plastic diffusers*

- Use plastic cleaning agents, be careful when cleaning to prevent the diffuser from being pressed into the luminaire, which could loosen it.

#### *LED chips*

- LED chips are usually covered with optics or a diffuser. **It is not allowed to clean the LED chips in any way, nor to touch them in any way!** Their phosphor may be damaged, which devalues the chip or the entire module.

#### *Heat sinks*

- Cleaning of heat sinks from dust deposits is only performed if the heat sink is located outside the luminaire body, i.e. from the exterior side. Cleaning is done by blowing (e.g., compressed air in a spray).

### WARNING

- Do not look directly at the light-emitting diodes (LEDs) when they are on, there is a risk of eye damage!
- Never perform cleaning if the luminaire is in operation or under voltage!
- Make sure that the luminaire and its parts (e.g., heat sink) are sufficiently cooled down!
- Never enter the interior of the luminaire!
- When cleaning, care must be taken to ensure that the cleaning solution does not leak into the interior of the luminaire!
- Never use a cleaning solution that is too hot (above 60°C)!
- Never use abrasive cleaning agents or solvents, as they can cause surface damage!
- Never brush or scrub, as this could cause surface damage!
- Always use protective gloves!

### CLEANING CYCLE

The frequency of cleaning and maintenance depends on the conditions, which are part of the project documentation. If not stated otherwise, we recommend performing cleaning at least once a year depending on the type of environment (heavy industry, chemical industry, dusty environment, humid environment, requires cleaning and maintenance at shorter intervals).

### LIGHT SOURCE AND LUMINAIRE DISPOSAL

Light sources and luminaires are classified as Waste Electronic and Electrical Equipment (WEEE) and must be disposed of in accordance with local environmental guidelines. Please contact your local authority for more information. You can also check the W.E.E.E. website [http://ec.europa.eu/environment/waste/weee/index\\_en.htm](http://ec.europa.eu/environment/waste/weee/index_en.htm).

### SPECIAL INFORMATION

If there are any special precautions to be taken for specific luminaires regarding cleaning and servicing, these will be covered in the supplied luminaire documentation or can be found on the OMS website <https://www.oms.lighting/downloads/>