

Safety instructions for lighting fixtures

The following guidelines will help you install, operate, and maintain your lighting fixtures safely:

General safety instructions:

- Installation and repair of lighting fixtures must be carried out only by qualified professionals in compliance with applicable legal regulations.
- Use only approved and certified lighting fixtures that meet safety standards.
- Ensure that fixtures are not installed near flammable materials such as curtains, carpets, or furniture.
- Do not use fixtures with damaged cords, plugs, or other defects.
- Avoid leaving lights switched on unattended to minimize the risk of overheating or fire hazards.
- Always verify that the bulbs match the fixture specifications (e.g., correct type and wattage).
- Keep fixtures free from dust and dirt, as this can increase heat build-up and create fire risks.
- Repairs must only be performed by qualified personnel. Do not attempt to repair fixtures yourself if you are not trained and certified.
- Regularly inspect fixtures for visible damage or other defects.
- Use lighting fixtures only in environments suitable for their intended purpose (e.g., do not use indoor fixtures outdoors).
- Turn off the power supply and allow the fixture to cool to room temperature before changing bulbs or performing maintenance.
- Ensure that small parts like screws and fasteners are kept out of reach of children to prevent choking hazards.

Protection classes:

- **Class I:** Fixtures in this class are connected to the power supply via a yellow-green grounding wire attached to the protective earth terminal.
- **Class II:** These fixtures do not require a connection to the protective earth (yellow-green wire).
- **Class III:** Fixtures in this class are operated only at low, safe voltage. Connection is limited to SELV circuits (Safety Extra-Low Voltage).

IP ratings:

IP ratings indicate the level of protection against dust and water ingress:

- **IPx1:** Protected against dripping water.
- **IPx3:** Protected against rainwater falling at an angle of up to 60°.
- **IPx4:** Protected against water splashing from any direction (360°).
- **IPx5:** Protected against water jets from any direction.

- **IPx7:** Suitable for installation on the floor.
- **IPx8:** Protected against immersion in water up to the depth specified by the manufacturer.
- **IP5x:** Partially protected against dust ingress.
- **IP6x:** Fully protected against dust ingress.

Additional safety measures:

- This product is tested and developed for domestic use. Do not use it outside its intended application areas.
- Avoid using aggressive cleaning agents to prevent material damage.
- Children should be supervised during the assembly or use of lighting fixtures. Store fixtures and accessories out of their reach.
- Avoid installing fixtures in poorly ventilated areas to reduce the risk of overheating.
- Use only fixtures specifically designed for damp or wet environments (e.g., bathroom lights with IPx4 or higher).

Disposal and environmental guidelines:

- Dispose of old lighting fixtures and bulbs in accordance with local regulations for electronic waste.
- Utilize recycling options whenever available. Separate wood, plastic, and metal components for proper disposal where applicable.
- Ensure that hazardous materials, such as mercury from old bulbs, are disposed of safely.

Notes:

Adhering to these safety instructions helps extend the lifespan of your lighting fixtures and prevent accidents. Always install and use lighting fixtures in accordance with manufacturer guidelines and applicable standards.