

Safety precautions for halogen lamps

General information

Installation and maintenance work may only be carried out by qualified electric companies. Handling a line voltage of 220/230 V is dangerous to life.

Please observe the applicable DIN/VDE provisions and the damage prevention guidelines of Vds (Verband der Sachversicherer, Cologne).

Safety precautions

- Disconnect from mains voltage before starting work.
- Illuminated lamps are hot - allow to cool down at least 5 minutes before touching.
- Keep a distance from flammable material of at least 0.5 m.
- Ensure that the lamp housing has an overhead clearance of at least 80 mm.
- Ensure that the radiator housing has a clearance from nearby lateral surfaces of at least 50 mm .
- Make sure that all lamps and connections are firmly seated.
- The connecting elements must be adequately heat-resistant.
- All installations must be accepted by a certified specialist company.

Heat dissipation

Halogen lamps convert up to 85% of the energy input into heat. In no case should lamps of this type be covered directly. Always allow for adequate heat dissipation/rear ventilation. Moreover, well-ventilated installation points prolong the life of the lamp.

Minimum clearances

VDE requires that a minimum clearance between the lamp and nearby flammable material of 0.5 m be maintained. The superficial temperature of the illuminated areas must not exceed 40°C.

Contacts and connections

Contacts and clamping connections must be strain-relieved. The contacts must be established in such a way as to rule out short circuits. Only use heat-resistant ceramic clamps or equivalent components for this purpose. Insulation displacement termination are not allowed. Make sure that all lamps have sufficient contact and are firmly seated. Do not modify lamps and lights!

Operation

When exchanging lamps, dimmers, fuses etc., only use components of the same construction and power/voltage rating. Lamps with a higher capacity rating will heat up excessively, possibly leading to fire. Halogen lamps may have a bleaching effect due to their UV portion. Use lamps equipped with a UV glass screen if necessary. Recessed luminaires are only suited for use in dry rooms. We do not accept liability for any uses in outdoor areas or rooms with high humidity. Never touch lamp with bare fingers, as the fat of the skin may cause damage or reduce its service life. Lamps installed or repaired by laypersons must, without exception, be accepted and commissioned by a qualified specialist.

References

VdS 2005, VdS 2302, DIN/VDE 0100, DIN/VDE 0551, DIN/VDE 0607, DIN/VDE 0609, DIN/VDE 0616, DIN/VDE 0632, DIN/VDE 0710, DIN/VDE0711.

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