CHECKLIST
RISK ANALYSIS FOR LUMINAIRE CONVERSION TO LED LAMPS

This checklist can be used as an assistance to create a risk analysis for luminaire conversion to LED lamps. It is essential to evaluate the technical and photometrical suitability of the existing luminaire for conversion while taking all safety relevant aspects into account.

If all the below listed criteria have been checked and confirmed, no significant changes have been made to the luminaire according to the EU Blue Guide (2022) and it is not considered a new product. The luminaire rebuilder therefore does not become a luminaire manufacturer and a new CE conformity assessment is not needed.
In addition, it is required to check compliance with all photometrical values (e.g. illuminance, homogeneity and glare) according to the needs for visual tasks from regulation 12464-1.

Checked	Test steps
	Before conversion
☐	AC mains compatible LED lamps or system from LEDVANCE on hand LEDVANCE Online Catalogue
☐	The ambient and case temperature (T_a/T_c) of the LED lamp and if required driver is within the approved range (see respective product data sheet).
☐	The use of the luminaire is not changed. e.g. indoor luminaires, office luminaires or street luminaires must continue to be used as such after the conversion.
☐	The construction of the luminaire is not changed. The luminaire will continue to fulfill the requirements of the stated protection classes and types of protection.
☐	The luminaire is not intended for emergency use. Additional tests are necessary for the use of LED lamps in emergency lighting. Please get in contact with you LEDVANCE contact person for this.
☐	For luminaires with light management: the suitability of the selected LED lamp has been checked and confirmed.
	During conversion
☐	Visual inspection of luminaire condition: • Lamp holders and sealing are in good condition. • Wiring and insulation are in good condition. • If new cables are used, all requirements regarding e.g. cable cross-sections are met. • Appropriate wire clamps are on hand. • Recommended: use of appropriate fuse (250V 1A) Conversion has been done according to LEDVANCE installation instructions:
✓	All LEDVANCE LED lamps comply with the requirements of the EMC regulation and belong to the blue light classification RG0/RG1. Additional checks are thus not needed.

CHECKLIST
RISK ANALYSIS FOR LUMINAIRE CONVERSION TO LED LAMPS

	Final check after conversion
☐	The luminaire is mounted thoroughly.
☐	The provided warning sticker has been fixed clearly visible inside of the luminaire. The converted luminaire should not be used anymore with fluorescent lamps. Example: **WARNING: THIS LUMINAIRE HAS BEEN MODIFIED TO OPERATE ONLY AC 220-240V LED TUBE. NOT FOR USE WITH ANY FLUORESCENT LAMP**
	Additional remarks of the rebuilder (optional):
	Confirmation Customer: Place of installation: Luminaire type (Description according to name plate): Rebuilding electrician: Address: Date Signature

This check list and within mentioned steps cannot be considered final for each individual case.
The LEDVANCE manufacturer's warranty can of course be applied for the installed LED tubes. Detailed guarantee conditions can be found on www.ledvance.com/guarantee