

TARGET GROUP

This information sheet is intended for:

- » Customers and planners: for decision-making before purchasing a conversion kit and for evaluating the existing luminaire.
- » Electrical engineers: for safety and lighting inspections before and after retrofitting.

1. IDENTIFY RETROFITTING TYPE

Please mark the applicable variant:

- ☐ **VARIANT A** – LED retrofit with disconnection of CCG/ECG (without interfering with the luminaire): as a rule **no recertification necessary**
- ☐ **VARIANT B** - Retrofitting with kit from the original manufacturer: **Certification is the responsibility of the manufacturer**
- ☐ **VARIANT C** - Retrofitting with tested kit from a third-party supplier (e.g. ISOLED), without structural alterations: **Permitted without recertification under the conditions of this checklist**
- ☐ **VARIANT D** - Use of uncoordinated individual components (e.g. flex stripes & any Driver): **new certification required**

2. TECHNICAL INSPECTION BY THE ELECTRICAL ENGINEER

These points **must** be checked and documented before retrofitting :

Mechanical testing

- ☐ Housing undamaged
- ☐ Mounting elements stable, load-bearing
- ☐ IP protection (seals, covers) present and intact
- ☐ Protective conductor connection (if required) present / tested

Electrical testing

- ☐ Cable insulation in order
- ☐ Terminal clamps securely fastened
- ☐ Operating devices (CCG / ECG) identified and separated from the mains
- ☐ Protection class remains the same or increases

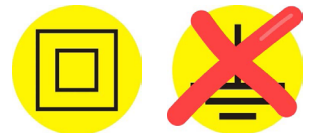
Thermal testing

- ☐ Heat dissipation guaranteed with new solution
- ☐ Heat-resistant and suitable materials

Lighting components

- ☐ Light control elements (e.g. reflectors) functional
- ☐ No visible clouding, deformation or yellowing

Mark the optimized protective measure with attached sticker correctly!



3. LIGHTING ASSESSMENT (SPECIALIST PLANNER RECOMMENDED)

The following points must be assessed, especially for safety-relevant or publicly used facilities:

- ☐ The light distribution suits the application
- ☐ The planning corresponds current use and standard EN 12464-1
- ☐ Glare assessment carried out (UGR, GR)
- ☐ Luminous flux / lighting intensity sufficient
- ☐ Color temperature suitable for the area of application (e.g. 4000 K for office)

4. CONFORMITY ASSESSMENT

A new CE marking and conformity assessment is required if:

- ☐ Function, design has been significantly changed or the performance has been elevated
- ☐ Additional components have been integrated into the light (e.g. Bluetooth dimmer)

No new certification required if:

- ☐ Original design remains unchanged
- ☐ No additional risks (electrical, thermal, mechanical) arise
- ☐ Additional components can be installed outside the luminaire (e.g. control units in the switch cabinet)

5. RECOMMENDATION FROM ISOLED®

Our kits correspond to variant C:

- ✓ No intervention in the luminaire necessary
- ✓ Components (LED board + driver) are matched to each other
- ✓ If installed correctly, the CE marking is retained

Please note: According to § 1299 / § 1300 ABGB (Austrian Civil Code) consisting of a **duty to inform and warn** the end user by ISOLED and the installer.

6. DOCUMENTATION

This checklist serves the purpose of traceability and should:

- ☐ be completed and signed by the electrical engineer
- ☐ archived together with test reports and, if applicable, photos
- ☐ are available to answer questions

Signature: _____

Date _____

This checklist is included in printed form with our conversion kits. You can download a digital version from the conversion kits at: www.isoled.shop

Contact for questions: technik@isoled.at

Note: This document is a decision-making aid and does not replace individual specialist planning.