



Frequently asked questions about lamps, luminaires and lighting components

Our experts have summarized the most important questions and answers in a short FAQ for you.

WHAT IS NEEDED FOR A CALCULATION AND A QUOTATION?

- Product description
- Technical data sheet
- Type overview

WHAT DOCUMENTS ARE REQUIRED FOR TESTING AND CERTIFICATION IN ADDITION TO THE PRODUCT?

For testing:

- Assembly / Operating Instructions (PDF)
- Technical data sheets (PDF)
- Technical drawings (PDF)

- Type plate (Image/JPEG)
- Circuit diagrams (PDF)
- Circuit board layout (PDF)
- Existing test reports (PDF)
- Certificates of critical components (PDF)
- List of critical components

For certification:

- General contract (between license holder and TÜV Rheinland)
- Form CIG 022_Part B.1 (Certificate holder)
- Form CIG 022 Part B.2 (Manufacturing site)

WHAT ARE THE SO-CALLED CRITICAL COMPONENTS IN THE LIGHTING PRODUCT AREA?

„Critical components“ describe the essential parts of a product. These are, for example:

- Electrical driver (operating device)
- LED module
- Lamp sockets
- Terminal / connection terminal
- Main connections / external connections / wires / cables
- Radio component
- Board material
- Housing material

WHY DO I NEED TO HAVE THE CRITICAL COMPONENTS OF MY LIGHTING PRODUCT CERTIFIED EVEN BEFORE TESTING?

During testing of the final product, the safety of the critical components is tested in interaction with all components. Various loads and malfunctions are simulated to identify potential hazards. However, this also means that critical components cannot simply be replaced by comparable products from other manufacturers. If you rely on suppliers, you should therefore monitor your critical components well and also ensure their long-term availability. Of course, we also offer certification of your critical components, so that you receive a comprehensive service from a single source.

WHY SHOULD I HAVE MY PRODUCT CERTIFIED?

For access to your target market, conformity with the standards applicable there is the minimum that your product must meet. If you want your product to stand out from the competition, we recommend our internationally recognized test marks covering various aspects of product safety. This way, you benefit from the credibility of a recognized and independent testing institute.

WHAT ARE THE BENEFITS OF A CERTIFICATE?

National and international certifications give you access to the desired target markets. Certification according to the [CB procedure](#) allows you to benefit from an international system for mutual recognition of test results and certificates in the field of safety of electrical and electronic components, equipment and products. Thanks to our test marks [Type Approved Mark](#), [ENEC](#), [GS mark \(tested safety\)](#), [cTUVus](#), your lighting products will stand out in a competitive market.

They can be affixed to your product in a highly visible manner and thus make your quality claim recognizable at a glance.

WHAT IS ENEC?

European Norms Electrical Certification, or ENEC for short, regulates the certification of luminaires, office equipment and components such as switches and cables. The prerequisite for the issuance of an ENEC certificate is the compliance of the product with the applicable European standards.

With ENEC, you can secure market access in the EU, EFTA countries, and many Eastern European states with just a single testing and certification procedure. TÜV Rheinland tests electrical equipment according to ENEC 24, and the ENEC+ mark was created for the certification of LED luminaires.

CE MARK VERSUS UKCA - WHAT IS THE DIFFERENCE BETWEEN BOTH CERTIFICATIONS?

The CE mark (Communauté Européenne) stands for EU-wide harmonized regulations to simplify the movement of goods and to define general safety and health requirements for products. After the United Kingdom left the EU, the government there introduced its own mark, but it has the same goal and is currently very similar to the CE system.

If you want to export your lamps, luminaires, light sources or lighting components to the UK, you need a UKCA certification and have to put the mark on your product. Currently, a test report issued by an EU-accredited testing institute can still be used for this purpose. In November 2022, the UK government extended this regulation once again until Dec. 31, 2024. After this date, you will need a test report from a testing institute accredited in the UK. More details about the UKCA mark can be found on our website.

Of course, our UKCA certification experts will be happy to assist you in exporting your lighting products.

Your question is not listed here? Do not hesitate to contact us! We are happy to help.

GET IN TOUCH WITH OUR EXPERTS