Lamps and luminaires – we won’t leave you in the dark!
Quality and safety – your critical success factors
Luminaires – a market which has changed more profoundly than almost any other within such a short period of time. Stage 1 of a total of six stages provided for by the Regulation (EC) 244/2009 already brought massive changes of both the market and the competition. The enormous range of energy-efficient luminaire products based on different types of technologies leaves many consumers at a loss.

Your benefit:

a globally recognized quality mark
This makes it all the more important for manufacturers and retailers to focus on the quality of their products as their distinguishing feature. The internationally recognized certification marks of TÜV SÜD Product Service can provide the critical competitive edge, and the experienced experts of TÜV SÜD Product Service assist and support customers along the entire value chain. Their services extend from ensuring compliance with legal requirements to quality assurance and certifications. They also carry out all significant tests and provide all services needed to address consumer requirements and to make the products fit for international competition, including consumer tests, consultancy during design and development, national and international approvals, certification marks and certification in accordance with EU directives – to name only a few of the services provided by TÜV SÜD Product Service.

State-of-the-art technology and knowledge: modern testing facilities and extensive know-how
The experts at TÜV SÜD Product Service have years of know-how in the testing of luminaires, and dispose of the technical facilities and equipment needed for all tests that are a must for successful market entry. In addition, the test reports and certificates issued by TÜV SÜD Product Service are held in high esteem by professionals, retailers and consumers alike. The TÜV SÜD octagon is thus more than a mandatory obligation; this certification mark enables you to demonstrate the high quality and safety standards of your products in the market.
We offer you the following tests…

TÜV SÜD Product Service tests your luminaires in accordance with all key standards in the EU:

- luminous flux [lm]
- lamp lumen maintenance factor (LLMF)
- lamp warm-up time
- correlated color temperature in steady state condition and x, y coordinates in the CIE 1931 chromaticity diagram
- variations in color temperature
- color temperature vs. time
- lamp flux
- power factor (ratio of active power to apparent power)
- determination of the energy efficiency class
- lamp survival factor (LSF)
- RA Index
- and more

…for all important EU directives

With tests and certifications by TÜV SÜD Product Service, you demonstrate that you comply with the relevant EU directives:

- EU Directives 2005/32/EC and 2009/125/EC
- Regulation (EC) 244/2009 implementing Directive 2005/32/EC for all stages up to stage 6 from 1 September 2016

High-tech measurement facilities: conform to all EU requirements

Right from the technical design of its measurement facilities, TÜV SÜD Product Service ensured that your products can be tested in accordance with EU provisions:

- use of integrating spheres (Ulbricht spheres) with a diameter of 1,700 mm
- diffuse matte-white coating
- adjustment of photometer head $V(\lambda) f1 < 1\%$
- stabilized power supplies for auxiliary lamp and DUTs

Simply contact us! Together we can decide how we can support you in the design and development of your products and in placing them on the market.