



Lighting

The market for lighting products is complex. Stand out from your competition with a VDE mark.

www.vde.com/light-en

VDE

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For consumers, it means quality and that your products are comprehensively safe. In addition, quality products stand out due to a long service life, high durability and electromagnetic compatibility.

The VDE Institute offers **product testing and certification** specifically for lamps and luminaires, from components to the complete lighting system. In addition, there are attribute certificates that seize on the latest trends in lighting technology and are intended to make it easier for consumers and lighting designers to compare the multitude of offerings on the lighting market.

Human Centric Lighting (HCL)

Our latest testing service focuses on HCL lights, which affect the biorhythm. This includes the right light color for the appropriate activity: cold white light with greater illumination makes it easier to wake up and work, and warm white light with decreasing illumination makes it easier to relax. Testing and certifying HCL lights includes product safety according to applicable safety standards and performance characteristics. This includes measuring the light spectra and thus, its effect on biorhythm.



Smart lighting

We test IT security, interoperability, functionality, serviceability, service life, and performance in smart lighting systems.

Sustainable lighting

We assist you in documenting the sustainability of your products, such as through energy labels, which underscore your product's energy efficiency in a promotionally effective manner, or through holistically balancing your products with a focus on the carbon footprint.

Performance of light

In our modern lighting laboratory, we have the know-how and the necessary equipment for testing products and highlighting high-performance products. We test the biological effect of light and determine its spectral properties.

Photometry and spectrometry

Our test center's scope of services ranges from luminous flux measurement, the color rendering index, spectral value percentages and color temperature to evaluating the photobiological safety, logging the light distribution curve and spatially resolved measurements of spectral distributions.

Please visit us online for more information



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