



Tested Quality SPECTRUM LED

Nowadays, we are all flooded with a multitude of products offered to us by a number of manufacturers. Though they are very similar to one another in general, individual products cannot be referred to as identical. This leads a person to drawing comparisons between their quality and prices.

There are some products whose quality is not of so much importance, but in terms of lighting products, it should play an essential role in our safety and comfort. Regrettably, the market has recently seen numerous poor-quality products, which are marked incorrectly, fail to comply with some basic requirements, and pose a real threat to their users.

It is specifically with a view to promoting the safety of the users of interiors that increasingly tighter legislation on lighting products is being introduced, and this is being followed by inspections aiming at clearing the market of non-conforming products.

EEPLIANT has been among the projects which aim to synchronise activities

such as monitoring, verification and enforcing the regulations, including product tests of LED-light sources. In addition to these measures, product drawings and specifications have also been reviewed as part of the project. The project was coordinated by the PROSAFE organisation, and the 13 participating market-surveillance authorities came from 12 member states, namely Austria, Belgium, Bulgaria, Denmark, Germany, Lithuania, Malta, Holland, Poland (UOKiK), Slovenia, Sweden and the UK. Being one of the participants, UOKiK (The Office of Competition and Consumer Protection) verified the standard of LED substitutes for traditional light sources.

Approximately 100 models with LED-light sources, and household and office printers, as well as space heaters, were evaluated for energy-efficiency-requirement compliance during the 28 months of the project's implementation period. The products were sampled directly on the market from the range available to retail consumers. The activities under the EEPLIANT project for LED-light sources

focused on comprehensive laboratory testing, verifying energy labelling compliance, inspecting documents, and marking, as well as Ecodesign conditions.

The key objective of EEPLIANT was to help deliver the intended economic and environment benefits of the EU legislation adopted in the field of the Ecodesign and energy labelling requirements by increasing the rates of introducing products onto the market which comply with them.

The Spectrum LED brand also underwent verification within European EEPLIANT assessment. The verification was held in 3 stages.

The Spectrum LED-light sources were designated to be assessed in all stages of the verification programme, and **they passed all 3 stages satisfactorily.**

The following areas were covered by the inspection of the Spectrum LED products.

1. Documentation inspection – a total of 124 separate models of LED-light sources were verified. Non-compliance with at least one EU regulation was detected in as many as 76 models (61% of all tested products). **All Spectrum LED products passed the inspection satisfactorily in this area.**

2. Screen testing – a screen exercise was conducted for 117 separate models of LED-light sources. Non-compliance was shown in 60 models in total and there were 14 borderline cases (**63% of all tested products**). **All Spectrum LED products passed the inspection satisfactorily in this area.**

3. Laboratory compliance testing – 86 models of LED-light sources have undergone full testing, which is still going on. Non-compliance

has been shown in 52 models to date. **(61% of all tested products). All Spectrum LED products have passed the inspection satisfactorily in this area.**

In all cases of products assigned for verification Spectrum LED was **rated compliant.**

Being a responsible provider of LED light sources, we set great store by marketing quality products. Our research laboratory, equipped with state-of-the-art measurement equipment, enables us to continuously test the quality of the products we bring to market. We also put great emphasis on assuring and guaranteeing the light parameters we declare.



SPECTRUM LED
www.spectrumled.eu

Spectrum LED. Tested Quality. Proven Quality.

