



PHILIPS

Legislation
& Standards

Legislation, Standards & Local Initiatives

Environmental legislation on lighting is becoming increasingly stringent. From simple lamp replacements to complex renovations and new build, we can help you comply.

In recent years strict legislation has redefined our lighting requirements. Understanding compliance and making the right decisions will have an impact on you legally, environmentally and financially. We are fully able to offer future-proof ways to help you comply.

WEEE Directive

The WEEE Directive aims to address the issue of electrical and electronic waste. E-waste is one of the fastest growing waste streams so it is important that our products are recycled.

[+ read more about WEEE](#)

Ecodesign Directive

The 'Ecodesign Directive' includes the 'Energy Related Products Directive' (ERP) and the requirements for 'Energy Efficiency Labelling' (EEL). The primary aim is to protect the environment by reducing CO2 emissions. This is achieved by gradually raising the minimum efficiency requirements of products, so those that fall below the minimum will no longer comply and have to be removed from sale.

For lighting products, the next significant development is the phase-out of all mains voltage (230 – 240V) directional (reflector) halogen lamps, and some incandescent lamps, by September 2016. This will be followed by a phase-out of many

low performance High Intensity Discharge (HID) lamps and inefficient HID control gear (Ballasts) in April 2017.

The requirements for EEL ensure that product information details are more transparent and harmonised across suppliers and ensures that qualifying products put on the market declare themselves to be at or above the legal minimum requirement for performance .

RoHS

The RoHS Directive restricts the use of certain hazardous substances. Our products meet, and usually exceed, these industry standards.

EN 12464-1

Lighting must ensure that people in the workplace are safe and able to perform their tasks. Our energy-efficient solutions will help you meet, or even exceed, the lighting requirements for visual comfort, safety and performance.

Part L (England*)

This section of the Building Regulations covers the requirements with respect to Conservation of fuel and power.

The current edition of Part L came into force in April 2014 (Amended 2016). The highlight of the 2014 update was the inclusion of an intuitive way to measure energy consumption for Lighting. LENI, short for Lighting Energy Numeric Indicator, allows an alternative to SBEM as a measure of installed electrical load for Lighting under Part L in commercial properties.

LENI is however not just a metric for Building Regulations and Philips Lighting UK and its local Partners are able to leverage the 'real world analysis' of lighting that LENI offers to support and illustrate the benefits of changing to the latest LED based energy saving and flexibly controlled lighting installations. This satisfies not only the need to prove conclusively the benefits in changing to LED solutions, but also to prove compliance to many current Local Initiatives and regulations.

With the Global leadership in Connected lighting and Smart Systems technology that Philips possesses and the latest generation of high efficiency LED luminaires with controls, reaching and exceeding the requirements of PART L is not only very attainable but it allows property owners the best opportunity to achieve & promote the sustainability and environmental goals that so many organisations seek to achieve.

** Each of the 4 Countries in the UK has autonomy for their own Building Regulations and although at the time of writing there are similarities between the four, the relevant authorities should be individually consulted to ensure compliance on projects in each region.*

ESOS

Energy Savings Opportunity Scheme (ESOS) is the UK's methodology to implement Article 8 (4-6) of the EU Energy Efficiency Directive (2012/27/EU).

ESOS is a mandatory energy assessment scheme for organisations in the UK that meet the qualification criteria. Organisations that fall under ESOS must carry out ESOS assessments every 4 years. These assessments are audits of the energy used by their buildings, industrial processes and transport to identify cost-effective energy saving measures.

By 5 December 2015 qualifying organisations must carry out their ESOS assessment and notify the Environment Agency.

In partnership with Philips you can ensure that your lighting scheme is a significant contributor to an improved outcome after completing your obligations under ESOS and at the same time demonstrate the clear benefits of a change to an LED based Lighting Solution.

Amongst the many innovative and fact based methods for energy assessment, perhaps the most immediate and supportive initiative available is through Philips decision to partner with a local UK consultative expert in the roll out of our 'Live LENI' approach.

Utilising the benefits of this intuitive and real time method for calculation of Lighting Energy Usage in ESOS qualifying properties, Live LENI can re-assure and validate your decision to invest in and work with a dynamic, energy and cost efficient LED platform. Featuring state of the art Philips Dynalite controls or, Power over Ethernet (POE) App based controls, Live LENI can ensure that the energy used for lighting (estimated typically at 20% per building) will be managed and minimalised and proven to be so. Following an ESOS Audit you may wish to consider if there is a benefit in looking at one or a number of the various financing and finance support schemes offered or recommended by the Government such as Enhanced Capital Allowances (ECA).

Philips Lighting and/or their recommended partners can help decide if potential energy savings that are open to you by upgrading your lighting might be complimentary to any of these schemes. Alternatively, even if you choose to self-finance improvements or take a different financing path, you may need further clarity on the potential savings and how to achieve them especially if you are preparing a business case for investment in an upgrade project. In this instance we can also advise on other benefits such as improved worker productivity, better health and wellbeing, improved corporate image, improved employee engagement and talent acquisition and retention due to the improved sustainability credentials and quality of working environment.

[+ Read more about ESOS here](#)

[+ Read more about LENI and application of good lighting controls to support best case LENI metrics via the LIA \(Lighting Industry Association\) Mini Guide](#)

Local Initiatives

Enhanced Capital Allowance

The Enhanced Capital Allowance (ECA) Scheme is a key part of the Government's programme to manage climate change. It provides businesses with enhanced tax relief for investments in equipment that meets published energy-saving criteria.

[+ Download Philips ECA flyer](#)

Salix Funding

Salix gives Public Sector interest free funds for energy efficiency. The funding enables NHS trusts, universities, etc to improve energy efficiency, reduce emissions & reduce energy bills

Salix has public funding from the Carbon Trust in two main forms:

- A recycling fund, where a public body is given money to fund a number of projects. They can continue to recycle energy savings into more projects. Money is returned to Salix when no more suitable projects can be found.
- Loans targeted at specific projects, which when completed repay their costs to Salix from the energy savings.

