Class I or II Lamp Declaration of Conformity - EU

The template is on the next page – delete this page when you have edited the template as necessary.

This DoC can be used in all EU member states plus N. Ireland.

Green text – for things like names and addresses, substitute your details as necessary

Blue text – options to be selected as appropriate for your lamp design

Red text – notes to be deleted once read

# EU Declaration of Conformity

|  |  |
| --- | --- |
| Business name: | Your business name |
| Address: | Your address |
| We declare under our sole responsibility that the following products |
|  | Below give the type of product and a list of identifying product names or model numbers to which this declaration applies. |
| Product name(s) / model number(s) | Oxford, Cambridge, Glasgow, 1234 |
| Product type | Table lamp |

It can be useful to include a thumbnail photo or drawing here to help match this document to the product design

is / are in conformance with the following EU directives and regulations and subsequent amendments:

|  |  |
| --- | --- |
| 2014/35/EU | The Low Voltage Directive  |
| 2014/30/EU | The Electromagnetic Compatibility Directive  |
| 2011/65/EU | Restriction of Hazardous Substances (RoHS2) Directive |
| 2009/125/EU | eco design Directive for energy related products |
| 2019/2020 | ecodesign regulations for light sources and separate control gears  |
| 2019/2015 | energy labelling of light sources regulations only needed if you are making your own bulbs |
| 2014/53/EU | The Radio Equipment Directive only needed if your lamp includes Wi-Fi, Bluetooth, mobile data or other radio equipment |

Conformance with the above is determined by appliance of the standards given in the attached annex.

|  |  |
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| Signed |  |
| Name and position | Tim Thornton, Proprietor |
| Place and date | Hereford, United Kingdom. 1 April 2002 |

# Annex

This annex lists all the relevant standards. Delete any in blue that are not applicable to your product.

I’ve included more standards than you’ll need for a basic lamp, but assumed that the bulbs you use will just be LEDs, and also that you won’t be making things like streetlamps or emergency lighting

| **The Low Voltage Directive and its amending Directives**  |
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| EN IEC 60598-1:2021 + A11:2022 | Luminaires — Part 1: General requirements and tests |
| EN IEC 60598-2-1:2021 | Luminaires — Part 2-1: Particular requirements — Fixed general purpose luminaires wall and ceiling mounted lamps |
| EN 60598-2-2:2012 | Luminaires — Part 2-2: Particular requirements — Recessed luminaires |
| EN 60598-2-4: 2018 | Luminaires — Part 2-4: Particular requirements — Portable general purpose luminaires freestanding table lamps, floor lamps etc |
| EN 60598-2-8: 2013 | Luminaires — Part 2-8 : Particular requirements — Handlamps (or torches) |
| EN 60598-2-10: 2003 | Luminaires — Part 2-10: Particular requirements — Portable luminaires for children |
| EN 60598-2-12: 2013 | Luminaires — Part 2-12: Particular requirements — Mains socket-outlet mounted nightlights |
| EN 60598-2-13: 2006 + A11 2021 | Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires |
| EN 60598-2-20: 2015 | Luminaires — Part 2-20: Particular requirements — Lighting chains |
| EN 60529:1992 + A2:2013 | Degrees of protection provided by enclosures (IP Code). Only needed if you claim your lamp meets a given IP rating |
| EN IEC 62368-1:2020 + A11:2020 | Audio/video, information and communication technology equipment - Safety requirementsReplaces EN 60950-1. This is for home and office IT equipment, AV equipment and general electrical/electronic devices, though not for lamps. May be relevant if your device is more than a lamp |
| EN 61347-1: 61347-1:2015 + A1:2021 | Lamp controlgear — Part 1: General and safety requirements this is the electrical and electronic stuff that controls the LEDs, fluorescent tube or whatever the type of light it may be. Relevant if you’re doing something like putting in a circuit board to control LEDs, rather than using bulbs that have all this built into the bulb. Comply by selecting off the shelf components that comply with the standard  |
| EN 61347-2-11:2001 + A1:2019 | Lamp controlgear — Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires |
| EN 61347-2-13:2014 + A1:2017 | Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules |
| EN 62031:2020 + A11:2021 | LED modules for general lighting — Safety specifications only relevant if you are using LED modules in your lamp (i.e. electronics components), as opposed to standard LED bulbs. Similarly for the other standards below in this section |
| EN 60669-2-1:2021 | Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches |
| EN 62733: 2015 | Programmable components in electronic lamp controlgear |

| **The EMC Directive** |
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| EN IEC 55015: 2019 + A11:2020 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| EN 61000-3-2:2019+A1:2021 | Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) |
| EN 61000-3-3:2013+A2:2021 | Electromagnetic compatibility (EMC) — Part 3-3: Limits — Limitation of voltage changes, voltage fluctuations and flicker in public low voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subjected to conditional connection |
| EN 61547: 2020 | Equipment for general lighting purposes — EMC immunity requirements |

| **The RoHS Directive** |
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| EN 63000:2018 | Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances any products or components for the European market will be compliant |

| **The eco design Directive** |
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| EN IEC 62442-3:2022 | Energy performance of lamp controlgear – Part 3: Controlgear for halogen lamps and LED modules – Method of measurement to determine the efficiency of the controlgear only needed if you are not using off the shelf LED bulbs, but putting separate controlgear into your lamp. |

| **The Radio Equipment Directive** This whole section is only needed if you include radio kit such as Wi-Fi, Bluetooth or mobile data into your lamp. Specific standards will be required from the list below depending on the type of radio you use |
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| ETSI EN 300 328 V2.2.2 | Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques |
| ETSI EN 300 440 V2.2.1 | Short Range Devices (SRD); Radio equipment to be used in the 1GHz to 40GHz frequency range |
| ETSI EN 301 489-1 V2.2.3 | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements |
| ETSI EN 301 489-3 V2.3.0 | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz |
| ETSI EN 301 489-17 V3.2.4 | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems |
| EN 62479: 2010 | Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) |
| EN 50663: 2017 | Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz) |
| EN IEC 62311: 2020 | Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz) |
| EN 62493:2015 + A1:2022 | Assessment of lighting equipment related to human exposure to electromagnetic fields |