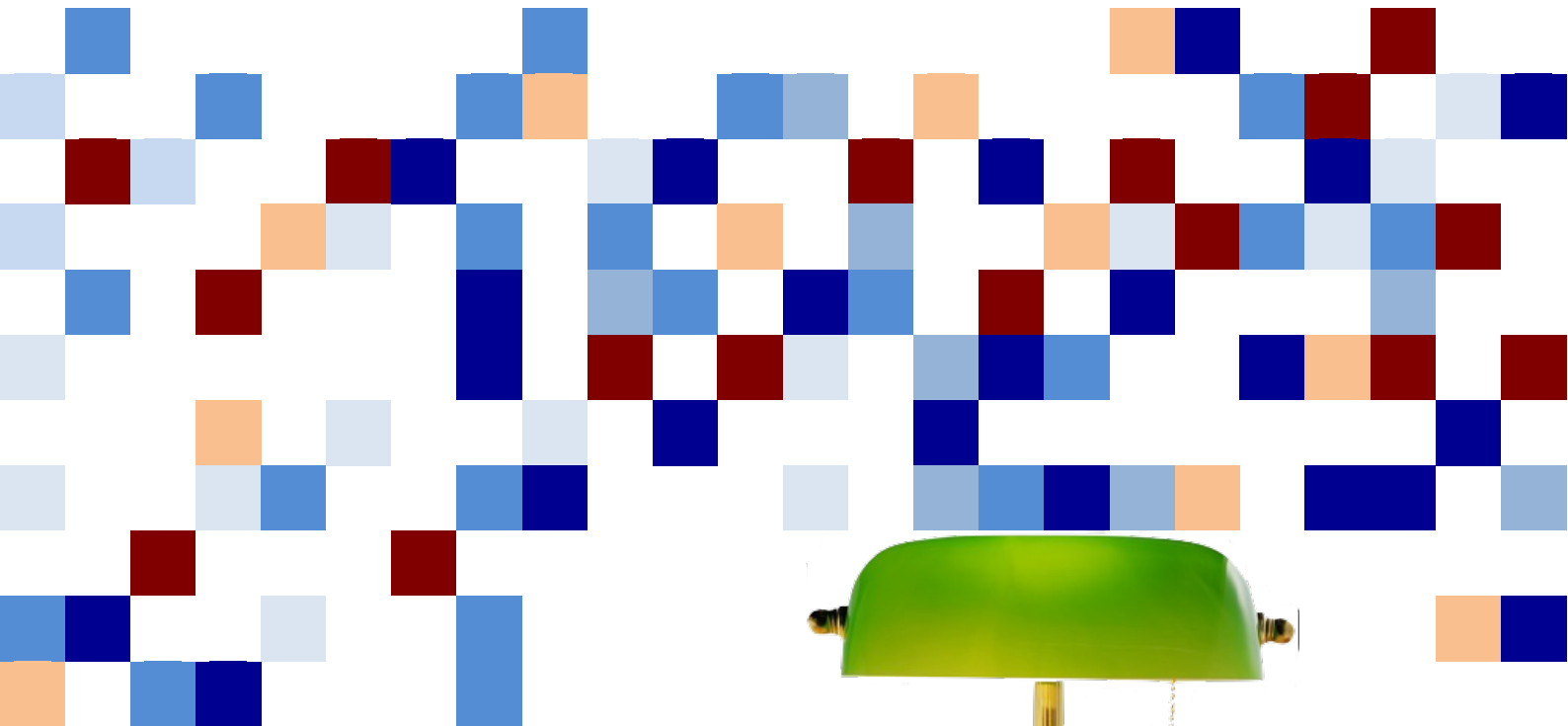


# Portable Domestic Luminaires

## SELF-CERTIFICATION PACK





Date: 23<sup>rd</sup> June 2016  
Subject: Guidance on CE-marking domestic luminaires  
Document number: 16D1306  
Report compiled by: Dr Jim Woodall

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### 1. General commentary

1.1. Thank you for purchasing this self-certification pack to assist you with CE marking domestic luminaires. The pack contains:

- This guidance document;
- A checklist summarising the relevant requirements of EN 60598-2-4;
- A checklist to guide you through EMC compliance (see below for details);
- A checklist providing guidance on the Eco-Design Directive and Energy Labelling Regulation;
- A components list;
- A draft Declaration of Conformity for you to complete and sign;
- A list of contents for your Technical File.

1.2. CE marking for this type of product is a matter of self-certification only - you do not need to have your equipment independently certified or assessed by an external body. You do not have to register with anyone in order to legitimately put the CE logo on the product. All you have to do is follow the procedure summarised in the following report.

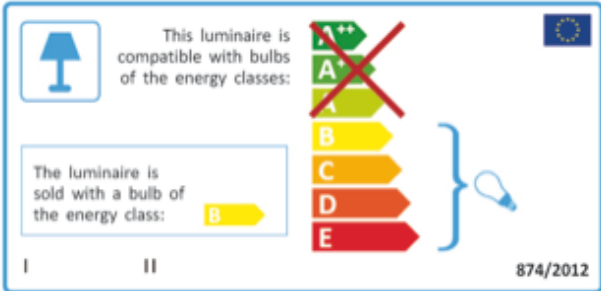
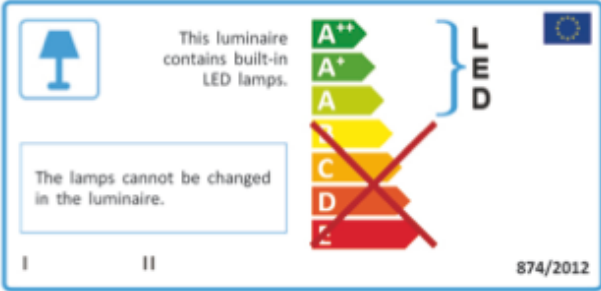
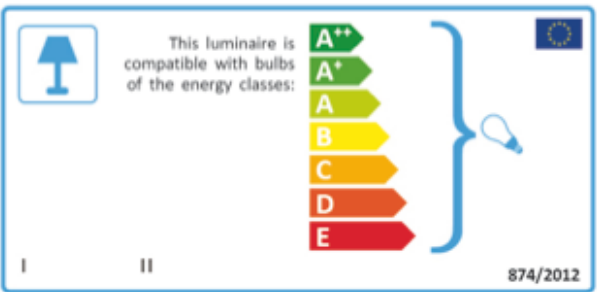
### 2. CE marking procedure

The essential steps in the process of CE marking your product are as follows:

2.1. Identify the applicable CE marking directive(s);



# Checklist

Clause	Requirement	P	F	N	Q	Comment
	<p>The components of the label shall be as described in points (b) to (d) and shall be arranged according to the following examples, as applicable.</p>					
	<p>If there is not enough space for displaying the energy class arrows in the text box to the left from the A++ to E scale, the text box may be enlarged vertically as necessary.</p>					
	<p>Examples:</p>  <p>Example I: This luminaire is compatible with bulbs of the energy classes: A+, A, B, C, D, E. The luminaire is sold with a bulb of the energy class: B.</p>					
	 <p>Example II: This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire.</p>					
	 <p>Example III: This luminaire is compatible with bulbs of the energy classes: A+, A, B, C, D, E.</p>					

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**Directive 2014/30/EU**  
**Assessment of electromagnetic compatibility performance**

**1. Product details**

1.1.	Document number	<Unique ref. number for this document when completed>
1.2.	Manufacturer	<Company name>
1.3.	Type of equipment	<generic description - e.g. "domestic luminaire">
1.4.	Model/serial no.	<identifying model numbers>
1.5.	Application/user type	General public
1.6.	Environment of use	Residential/Commercial
1.7.	Product description	<Specific description of luminaire>

**2. General Commentary**

- 2.1. The Electromagnetic Compatibility (EMC) Directive 2014/30/EU is applicable to almost all electrical and electronic equipment that is to be placed on the European market.
- 2.2. The EMC Directive requires manufacturers to ensure that their products do not emit unacceptable levels of electrical noise, either by radiation or conduction, and that they are capable of operating in a normal electrically noisy environment with respect to both radiated and conducted interference.
- 2.3. For simple electrical products, it is possible to be confident of compliance with the Directive under all normal circumstances simply from knowledge of the causes of radio-frequency noise and of its likely effects.
- 2.4. Where products are more complex, it is far more difficult to be confident of the real-world performance of the product solely on the basis of a set of assumptions drawn from technical information. In these cases, testing is the only way of providing adequate evidence of compliance with the relevant standards.
- 2.5. Nevertheless, it is important to remember that the objective of the EMC Directive is to maintain an electrical noise environment which allows for satisfactory operation of most equipment and makes best use of the electromagnetic spectrum for communication purposes. To this end, the Directive is a