



Energy Technology List

Product application checklist

Please complete in BLOCK CAPITALS

Efficient White Lighting Units

Manufacturer/supplier name:

ETL licence number (if applicable):

Applicant's name:

Product information

Product name:

Model number:

Please complete each section of this form based on your product's characteristics. Incomplete or incorrect data could affect the processing of your product application.

Each product application should be made on a separate form unless a product's design characteristics are common to all the products. In this instance a single application can be made for multiple products.

1. Product testing and certification	No	Yes
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Where type testing has been used to demonstrate product performance please ensure that the information supplied is sufficient to demonstrate the performance of all products for which applications are being made.

1.1 Does the product have an appropriate Conformity Assessment mark?

1.2 How was the product(s) performance tested? (Please select one)

- a) Tested in the manufacturer's in-house laboratory, in accordance with a registered Quality Management System and a representative sample of the test data has been cross-checked and verified by an independent body (i.e. 'self-tested and verified or cross-checked by an independent body')
- b) Tested in a laboratory either in house or on-site, witnessed by an independent body (i.e. 'witnessed testing')
- c) Tested by an independent laboratory (i.e. 'independent testing')
- d) Representative testing

Please refer to Section 2 of ETL Guidance Note 5 "ETL Testing Programme: Energy Technology List (ETL) Product Testing Framework" for details of the requirements that must be satisfied for each of these product testing options.

1.3 Where product testing has been done in accordance with a registered Quality Management System, what is its registration number?

.....

1.4 Where a representative sample of the test data has been cross-checked and verified by an independent body:

a) What is the name of the independent laboratory?
.....

b) What is the laboratory's registration number (where accredited)?
.....

Further information regarding these routes can be found in Guidance Note 5 on the ETL product testing framework.

1. Product testing and certification (continued)		No	Yes																						
1.5	Where product testing has been witnessed by an independent body, what was the name of the witness? <i>(Please include contact details).</i>																								
1.6	Where products have been tested by an independent laboratory: a) What is the name of the independent laboratory? b) What is the laboratory’s registration number (where accredited)?																								
1.7	If representative testing has been used, what are the ‘representative models’?																								
	<table border="1"> <thead> <tr> <th>ETL Product ID number</th> <th>Product name and model number</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	ETL Product ID number	Product name and model number																						
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	<p><i>The representative models must be selected by dividing the range of products into groups of models with similar design characteristics, and testing a model in each group. The performance of each model in the group must be predicted using a validated mathematical model. As a minimum, at least one model must be tested in each range of products and in each group.</i></p>																								

2. Product type		No	Yes
2.1	What is your product category? <i>(Please select one)</i>		
	<ul style="list-style-type: none"> a) Amenity, accent and display lighting units b) General interior lighting units c) Exterior lighting units 		
2.2	Does the product meet the following requirements? <i>(Tick all that apply)</i>		
	<ul style="list-style-type: none"> a) Include one or more light sources, a luminaire and associated control gear b) Not be luminaires designed to incorporate or be supplied with light sources that retrofit to existing light fittings c) Not be exclusively for emergency lighting. However combined emergency/general lighting is acceptable d) Where products incorporate LEDs, they shall use electronic control gear, and be capable of producing white light e) Only include components that are compliant with the Ecodesign requirements and energy labelling regulations in force, where applicable 		
	<p><i>The relevant Ecodesign requirements is: The Ecodesign for Energy-related Products and Energy Information (Lighting Products) Regulations 2021 No 1095</i></p>		

2. Product type (continued)	No	Yes
<p>2.3 Does the lamp and control gear of the product comply with the performance standards as defined in section 1.3.1 Eligibility requirements? (Tick all that apply)</p> <p>a) BS EN 61347-2-13:2014</p> <p>b) BS EN 62384:2006+A1:2009</p> <p>c) BS EN 62717:2017+A2:2019</p> <p>d) BS EN 60923:2005</p> <p>e) BS EN 60598-2-22:2014+A1:2020</p> <p>f) BS EN 62612:2013+A2:2018</p>		

3. Product performance	No	Yes
<p>3.1 Does the product meet the following test requirements as described in section 1.4.2 in the criteria? (Tick all that apply)</p> <p>a) BS EN 13032-1:2004 +A1:2012</p> <p>b) IESNA LM-79-19</p> <p>c) BS EN 62722-2-1:2016</p>		
<p>3.2 Does the product meet the following performance requirements, where applicable, as described in section 1.3.2 in the criteria (Tick all that apply)</p> <p>a) Have a luminaire efficacy (i.e. lighting efficiency) that is greater than, or equal to, the thresholds set out in Table 1 below, when tested after 100 hours of continuous operation</p> <p>b) Have a power factor that is greater than, or equal to, 0.9 at its highest light output level</p> <p>c) Be able to provide a light output (in lumens) after 3000 hours of continuous operation that is not less than 90% of their initial light output (in lumens)</p> <p>d) Individual control gear shall have a standby power not exceeding 0.5 Watts when the lighting unit incorporates an electronically addressed dimming, switching circuit or data logging, excluding combined emergency lighting</p> <p>e) In addition to question d, if the product is not fitted with an automatic switching or dimming circuit, the product shall not consume power when it is switched off</p> <p>f) White LED have a colour rendering index that is at least Ra 80</p> <p>g) Product with dimming control tested at its highest light output level</p> <p>h) Amenity, accent and display lighting units installed indoors have a minimum light output of at least 100 lumens after 100 hours of continuous operation</p> <p>i) Excluding the conditions described in question h, all other fittings shall have a minimum light output of at least 200 lumens after 100 hours of continuous operation</p>		

Table 1 Minimum luminaire efficacies for efficient white lighting units

Category	Minimum luminaire efficacy (in luminaire lumens per circuit watt)
Amenity, accent and display lighting units	≥ 106
General interior lighting, using downlighting units (DLOR/LOR≥0.9)	≥ 125
General interior lighting using uplighting units (DLOR/LOR<0.1)	≥ 125
General interior lighting using combined up and down lighting units (DLOR/LOR≥0.1 and <0.9)	≥ 125 – (20 x DLOR/LOR)
Exterior lighting units	≥ 125

4. Summary of documents to be included

No

Yes

Please send ONE copy of each of the following documents:

If the relevant information in support of the questions above is contained within a larger document, please indicate the location of the relevant information. Note that all documentation submitted must directly refer to the model numbers for which you are making this application. Documentation should be added to your online application at https://etl.beis.gov.uk/engetl/fox/live/ETL_LOGIN/login

- a) A technical sales brochure or leaflet for the product clearly summarising:
- i) The key features of the product (ideally including photographs of the product's exterior).
 - ii) The product's operation (i.e. in-built functionality) and intended applications (i.e. usage).
 - iii) Any product selection options (including optional extras, alternative configurations etc.).

This documentation should contain sufficient detail to enable the assessor to confirm that the proposed entry on the Energy Technology Product List (ETPL) is correct, and uniquely represents a single product of fixed design (as defined by the rules of the ETL). If the model names contain any 'wildcards' in respect of cosmetic variations please check with ETL Questions that this is permitted before submitting your application.

- b) A technical specification for the product, including:
- i) Details of the model numbers covered (including individual features of each model).
 - ii) The product's design ratings (electrical, mechanical, thermal, flow rates, energy use etc.).
 - iii) A description of how to install the product including connection/wiring diagrams. Where the product must be assembled, configured and/or commissioned on site before use, please include instructions.

This documentation should contain sufficient detail to enable the assessor to confirm that each product entry on the ETPL has the design features specified in the eligibility criteria for that category of product. Please indicate on the checklist where information on specific design features is located in the documentation.

- c) Evidence that the products the performance criteria, including:
- i) Test reports showing product performance at the standard rating/test conditions.
 - ii) Details of the test procedures/standards used to determine product performance.
 - iii) A declaration certifying the accuracy of the test reports and confirming that:
 - The test facilities complied with the minimum specifications outlined in the test standard, and the required test conditions where applied during testing.
 - All measurement equipment used in testing was calibrated by an accredited laboratory, or its calibration is otherwise traceable back to national standards.
 - Appropriate quality assurance procedures have been used to verify or cross-check the accuracy and repeatability of the test procedures and test results.
 - iv) Where the test reports have not been prepared by an independent body, evidence that the accuracy of product performance data has been independently verified and cross-checked by an independent body

Please refer to "ETL Guidance Note 5: Energy Technology List (ETL) Product Testing Framework" for further guidance on the submission of test results, and minimum information requirements.

- d) A Declaration of Conformity with UK/EU Directives on product safety, including:
- i) An appropriate Conformity Assessment mark.
- e) Evidence that a quality assurance system/procedures is/are in place to:
- i) Control the specification, design, manufacturing and testing of the products.
- f) Signed application checklist.

Please note that all product documentation provided must be written in, or translated into, English.

5. Declaration

I confirm that the information given above is correct to the best of my knowledge and that I have read and agree to the terms and conditions governing the management of the Energy Technology List.
A copy of the terms and conditions can be found at www.gov.uk/guidance/energy-technology-list.

Signature: Date:

For more information:

Web:

<https://etl.beis.gov.uk/>

Phone:

+44 20 3096 4800

Email:

info@etl.beis.gov.uk

Post:

Energy Technology List Coordinator
ICF
Riverscape
3rd Floor 10 Queens Street Place
London
EC4R 1BE

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