



Energy Technology List

Product application checklist

Please complete in BLOCK CAPITALS

Retrofit Measures for Open Fronted Refrigerated Display Cabinets

Manufacturer/supplier name:

Applicant's name:

Telephone number:

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 type	No	Yes
<p>The product must be one of the five types listed below. Please tick which one applies.</p> <p>a) Strip curtains</p> <p><i>Strip curtains must consist of transparent, flexible strips hung adjacent to each other, and fastened at both ends to neighbouring strips, in a manner that allows temporary openings to be made in the curtain for the purpose of removing items from the cabinet.</i></p> <p>b) Blinds</p> <p><i>Blinds must consist of a flexible fabric mounted on a roller mechanism that enables the blind to be deployed across the display window of the cabinet when the retail outlet is closed or during trading. The blind may also incorporate a motorised control system.</i></p> <p>c) Transparent sliding doors</p> <p><i>Transparent sliding doors must consist of doors with a heat reflective coating, mounted in a mechanism (that is designed to be installed in the window of the cabinet) that enables the doors to be opened when items need to be removed from the cabinet.</i></p> <p>d) Transparent hinged doors</p> <p><i>Transparent hinged doors must consist of doors with a heat reflective coating, mounted in a mechanism (that is designed to be installed in the window of the cabinet) that enables the doors to be opened when items need to be removed from the cabinet.</i></p> <p>e) Enhanced air flow management systems</p> <p><i>Designed to optimise the descending air curtain at the front of an open refrigerated display cabinet in order to reduce the infiltration of ambient air. This solution may include, but it is not limited to, modifications or attachments to the shelves of the cabinet.</i></p>		

2. Product features	No	Yes
<p><i>If your product is within the product category of strip curtains, blinds, or doors, then please respond to questions 2.1 and 2.2.</i></p> <p><i>For the product category of air flow management systems, please respond to question 2.3.</i></p>		
2.1	Does the product provide a flexible or rigid barrier that can be used to reduce the infiltration of ambient air (and heat flow) through the open display window of a refrigerated display cabinet?	
2.2	Is the product designed to fit one or more specific types or models of, refrigerated display cabinet in a manner that ensures that when fitted there is no air gap around the edges of the product’s rigid barriers, and an air gap of less than 20mm around the edges of the product’s flexible barriers?	
2.3	Is the product designed to guide and stabilise the air flow(s) more closely down the entire front of a refrigerated display cabinet in order to reduce the infiltration of ambient air?	
2.4	Please provide details of the specific types or models of refrigerated display cabinet that the product is designed to be fitted to:	
<p>.....</p> <p>.....</p> <p>.....</p>		

3. Product testing and certification	No	Yes								
3.1	Has your product been performance tested in accordance with the “ETL Method for Testing Retrofit Measures for Open Fronted Refrigerated Display Cabinets”?									
3.2	The “ETL Method for Testing Retrofit Measures for Open Fronted Refrigerated Display Cabinets” requires that the open fronted refrigerated display cabinet that is used for the test is already listed on the ETL. Please provide the model and details of the refrigerated display cabinet on which the testing was conducted.									
<p>.....</p>										
3.3	Is this application for: (Please select one)									
<p>a) A single unique product which has been tested in accordance with the criteria</p> <p>b) A product which is based on the data for a ‘representative model’ which is not yet listed on the ETL (the representative model should be submitted at the same time as this application)</p> <p>c) A product which is based on the data for a ‘representative model’ which is already listed on the ETL</p> <p>d) What are the representative models:</p>										
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center; padding: 5px;">ETL Product ID number</th> <th style="width: 50%; text-align: center; padding: 5px;">Product name and model number</th> </tr> </thead> <tbody> <tr> <td style="border-top: 1px dotted black; height: 20px;"></td> <td style="border-top: 1px dotted black; height: 20px;"></td> </tr> <tr> <td style="border-top: 1px dotted black; height: 20px;"></td> <td style="border-top: 1px dotted black; height: 20px;"></td> </tr> <tr> <td style="border-top: 1px dotted black; height: 20px;"></td> <td style="border-top: 1px dotted black; height: 20px;"></td> </tr> </tbody> </table>			ETL Product ID number	Product name and model number						
ETL Product ID number	Product name and model number									

3.4 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 (i.e., self-tested and verified or cross-checked by an independent body¹)
- 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:

Where applications are made for two or more models that are variants of the same basic design, test data may be submitted for a single 'representative model' provided that all variants are in the same product category and have the same constructional design that do not affect materially the product functionality or energy performance, for example:

- for night blinds – to consider materials specification, components and subassemblies, type of fitting, etc.
- for doors – to consider the transparent material – perspex or glass, single or double glazing
- for enhanced air flow management systems e.g., shelf edge technology – to consider the proximity of the front of shelf to the air-discharge of the cabinet

Further information regarding these four routes can be found in Guidance Note 5 on the ETL product testing framework².

¹ In-house laboratories that have been UKAS/ILAC accredited do not need their test results verified or cross-checked by an independent laboratory. Please note on your checklist if this is the case, with your accreditation details.

² <https://www.gov.uk/government/publications/energy-technology-list-etl-product-testing-framework>

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

3.6 Where product testing has been witnessed by an independent body, what was the name of the witness? (Please include contact details).

3.7 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)?
-

4. Product performance**No****Yes**

4.1 Does the product maintain the temperature classification of the refrigerated display cabinet they are installed on as per Table 1.1 in the criteria?

4.2 Does the product have integrated lighting equipment?

4.3 If yes, is the product's integrated lighting equipment with a minimum luminaire efficacy of (\geq) 95 Lm/W?

4.4 What is the energy saving [%] achieved against the ETL Method for Testing Retrofit Measures for Open Fronted Refrigerated Display Cabinets?

5. Summary of documents to be included	No	Yes
<p>Please send ONE copy of each of the following documents:</p> <p>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</p>		
<p>a) A technical sales brochure or leaflet for the product clearly summarising:</p> <ul style="list-style-type: none"> 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.). <p><i>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 that the supplied documentation can evidence the conformity of the products against the requirements the ETL eligibility criteria. If the model names contain any 'wildcards' in respect of cosmetic variations please check that this is permitted before submitting your application.</i></p>		
<p>b) A technical specification for the product, including:</p> <ul style="list-style-type: none"> 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. <p><i>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.</i></p>		
<p>c) Evidence that the product meets the performance criteria, including:</p> <ul style="list-style-type: none"> i) Test reports showing product performance in accordance with the ETL Method for Testing Retrofit Measures for Open Fronted Refrigerated Display Cabinets ii) Details of the test procedures/method used to determine product performance iii) A declaration certifying the accuracy of the test reports and confirming that: <ul style="list-style-type: none"> • The test facilities complied with the minimum specifications outlined in the test standard, and the required test conditions were 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 or cross-checked by an independent body (where the in-house laboratory does not hold UKAS/ILAC accreditation) v) Where representative testing has been used, please include details of selection method used, and evidence that the products covered by the representative model(s) are variants of the same basic design. <p><i>Please refer to ETL Method for Testing Retrofit Measures for Open Fronted Refrigerated Display Cabinets and the Guidance Note 5 on the ETL product testing framework for further guidance on the submission of test results, and minimum information requirements.</i></p>		
<p>d) Evidence that a quality assurance system/procedures is/are in place to:</p> <ul style="list-style-type: none"> i) Control the specification, design, manufacturing and testing of the products. ii) Ensure consistency of performance between individual production items of the same product 		
<p>e) Signed application checklist.</p> <p><i>Please note that all product documentation provided must be written in, or translated into, English.</i></p>		

6. 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

The above checklist has been created as per the product application criteria set by UK Government's The Energy Technology List (ETL). ICF, its agents, contractors and sub-contractors accept no responsibility for any accuracy, error or omission of the information contained in the checklist and neither does it accept any liability for the information provided by the applicant. It is the sole responsibility of the applicant to ensure the information it provides is accurate and true to the best of their knowledge.

The information provided in this checklist is for product listing requirements. For further information about our Privacy Policy, please refer to the BEIS' Privacy Policy for ETL, [read more](#).

ICF Consulting Services Ltd is a private limited company, registered in England and Wales under Company Number 04161656 with its Registered Office at: Riverscape, 10 Queen Street Place, London, England, EC4R 1BE. The Energy Technology List (ETL) is run by ICF on behalf of Government.