

IFC/GEF Efficient Lighting Initiative Form 2: Compact Fluorescent Lamps

This form refers to the IFC/GEF Efficient Lighting Initiative "Voluntary Technical Specification for Compact Fluorescent Lamps" available from the ELI website www.efficientlighting.net.

All the test results that you enter in this application should be from the indicated reference test procedure performed at an accredited laboratory on actual retail products and lamp/ballast combinations. Test results must be specific to the model, and should have been performed within the past two years, unless the manufacturer can fully document that older test results accurately portray the performance of the present model. Please refer to the specification for more details, including sample sizes and calculations of values to include on this form. IFC and its consultants shall consider as confidential all information that you provide in this application. IFC may release aggregated manufacturer product performance information without reference to any specific manufacturer's product.

Compact Fluorescent Lamp (CFL)

A: Product Information (as published in the manufacturer's catalog or specification sheet)	
Manufacturer name:	
Product model name (if any):	
Product model number:	
Minimum rated starting temperature (degrees Celsius):	
Rated average life (hours, as defined in IEC 60969):	
Lumen maintenance of CFL (after 2000 hours of operation (in lumens, as defined in IEC 60969; average of data from three units tested):	
Diameter of fluorescent tube (in centimeters):	
Is this a unitary (self-ballasted) CFL?	YES / NO
Is this a modular CFL?	YES / NO
Does this CFL have a bare tube?	YES / NO
Does this CFL have a translucent cover?	YES / NO

B: Efficiency		
Values entered must be calculated from actual measured luminous flux and input power for the specific lamp and ballast combination (at 25 °C and 220 V).	Reference Test Procedure	Test Result
Maximum input power at stable lumen output (in watts)	IEC 60969 or 60901 & 60928	
Maximum light output at stable input power (in lumens)	IEC 60969 or 60901 & 60928	

C: Operating Characteristics		Reference Test Procedure	Test Result
Starting time: Time until the CFL continuously is illuminated after being switched on at minimum rated starting temperature (in seconds)		IEC 60969 or 60901 & 60929	
Run-up time to 80% of stabilized light output after switch-on (in seconds)		IEC 60969 or 60901 & 60929	
Does CFL meet all local safety requirements and the requirements of IEC 60968 for unitary CFLs and applicable parts of IEC 61199 and 60598 for modular CFLs?		IEC 60968 or 60901 & 60928	YES / NO

D: Light Characteristics	Reference Test Procedure	Test Result
Correlated color temperature (K)	IEC 60969 or 60901 & 60929, IES LM-16-1984	
Color Rendering Index (CRI)	IEC 60969 or 60901 & 60929, measured in accordance with CIE 29/2	

E: Ambient Environment Effects		
Will the performance of the CFL's light output and starting time differ from the values reported in "B: Efficiency" by 10% due to:		Is this clearly indicated on packaging?
Operation outside of rated temperature range?	YES / NO	YES / NO
Operation in other than vertical, base-up position?	YES / NO	YES / NO
Any other factors? Attach explanation.	YES / NO	YES / NO

F: Power Characteristics	Reference Test Procedure	Test Result
Power Factor	IEC 61000	
Does CFL comply with CISPR 15 or relevant local regulations for electromagnetic and radio frequency emissions?	CISPR 15	YES / NO
Does CFL tolerate voltage variation of $\pm 10\%$ and still continue to operate within specified parameters without reduction in the rated life?	(none available)	YES / NO
Does CFL comply with IEC 61547 for transient protection?	EC 61547	YES / NO

G: Labeling	
Does the package indicate the correlated color temperature of the CFL?	YES / NO
Does the package indicate the average rated life of the CFL?	YES / NO
Is the lumen output that is noted on the package within 10% of the light output as reported in "B: Efficiency"?	YES / NO
Is there a comparison of CFL to GLS on the label? If so, indicate the incandescent lamp equivalency that is claimed (including wattage and type).	YES / NO

H: Other Data	
Does the warranty allow the purchaser to return the CFL to the point of purchase with no explanation necessary within 12 months from the date of purchase for a full refund?	YES / NO
Is the warranty written in at least one applicable local language and included with the CFL when it is purchased?	YES / NO
Does the manufacturer provide a local mailing address and contact numbers for customer contacts and complaints?	YES / NO
Is the CFL manufactured under a Quality Assurance System?	YES / NO

I: Report of Test Results	
Submit a copy of the test results report from an accredited laboratory with this form. Indicate whether you include an electronic attachment (preferred) or a facsimile.	Electronic / Fax

J: Contact Information	
Name:	
E-mail:	
Telephone:	Facsimile:
Signature:	Date:

Revised July 10, 2002

Directions for Sending Application Materials to ELI Contacts

Applicants must submit applications plus all product performance data in **electronic form** to **both** ELI offices indicated below.

Additionally, applicants must ship their product samples plus a **print** copy of all application materials to the IIEC Regional Office in Bangkok.

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Inquiries about Applications

Questions about the status of applications should be directed to Mr. Phon-Amnuaisuk via e-mail. Questions about the specifications and technical requirements for testing should be directed to Ms. Conway via e-mail.