



# IEC CFLi Standard 60969

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# Contents

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- History
- Next steps in IEC process
- lites.asia comments
- Discussion

# History

- IEC 60969 - Self-ballasted lamps for general lighting services - performance requirements
- New standard has been in development for some years
- Discussed at lites.asia meetings in Beijing & Bangkok
- Australia leading IEC re-drafting and included many lites.asia comments in most recent IEC draft (April)
  - IEC comment period closed 27 May
- Technical panel 30 June / 1 July
  - Manley, Beletich, Cristobal, Mustar, Hua, etc.

# lites.asia Comments (Dec 2010)

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- Comments received from
  - Philippines
  - Thailand
  - Danson Electronics Ltd

# Lites.asia Comments (Dec 2010)

## □ Operation in severe conditions

### □ Added to clause 1.1

- If a supplier claims suitability for operation at more severe conditions of voltage, temperature or humidity, the lamp shall be tested under these conditions.

- NOTE: At extreme voltages and temperatures, the rated flux values may not be achieved.

- Known regional requirements for lamp performance are listed in Annex H (informative), and suppliers may wish to claim adherence with one or more of these requirements. In addition, mandatory regional requirements may exist for safety, EMC and Mercury content

## □ 100hrs ageing required for all tests

# Lites.asia Comments Incorporated

- Performance tiers:
  - Proposal to incorporate these into 60969
  - Comment - should have all parameters increasing in stringency, with no overlap
- Some comments
  - “Absolute” limits should be set by regulators
  - Compromise
    - “regional requirements” rather than tiers, but effectively same thing
    - Discuss
    - Alternatives – TS, TR, PAS, etc.

## ANNEX H (INFORMATIVE) REGIONAL REQUIREMENTS

For informative use only, table H.1 contains the regional requirements for major regulations and voluntary programs.

[This informative annex is included with the objective of providing centralised information, and harmonising of regional requirements, where possible. Regulators and program administrators, particularly in countries without current CFLi regulations/programs, are encouraged to adopt one of these performance levels, rather than create a new regional specification.]

**Table H.1 Regional requirements of major regulations and voluntary programs**

Row	Test	Spec A	Spec B	Spec C	Spec D	Spec E	Spec F
		UK Energy Savings Trust version 7	European Ecolabel version xx	US Energy Star version 4.2	European Commission Regulation No 244/2009	Efficient Lighting Initiative (ELI) 2nd edition	Asia Quality Compact version 1.2 – tier 1
1	Notes						
2	Initial power	Values to be completed by each region					
3	Power factor						
4	Starting time (Seconds)						

# International Standards (IS)

- A document, established by **consensus** and approved by the IEC, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context

$\geq 2/3$  vote in favour by P-members

$< 1/4$  vote against from all members



# Technical Specifications (TS)

- similar to an IS in that it is normative in nature,
- developed according to consensus procedures
- is published when required support for an IS cannot be obtained, or when the subject is still under technical development, or when there is a future - but no immediate - possibility of an IS.

2/3 vote in favour by P-member countries

# Technical Report (TR)

- Informative document
  - Data of a different kind
    - Scientific supporting material
    - Data collection
    - Results of surveys
    - State of the art
    - Supplementary information or explanation
- Majority vote of P-member countries

# Publicly Available Specifications (PAS)

- A technical specification not fulfilling the requirements for a standard, but made available to the public and established in an organization operating under given procedures or developed within a TC/SC
- Submission may be proposed by A- or D-liaisons (liaisons at WG/PT level)
- Published after verification and checking that no conflict with existing IS by the committee concerned and consensus of:

**Majority vote of P-member countries**