

Communications Material Library

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lites.asia





To provide a library of 'communications materials' related to lighting for domestic, commercial and industrial consumers to enable exchange of experience between countries and potential harmonisation of some items (e.g. equivalence)





- Training packages
- Consumer information
- Packaging
- Equivalence requirements
- Etc.



Functionality

- Searchable database
- Both submitted documents and links to documents on originating agency website
- Information in a number of formats:
 - Word documents
 - Excel spreadsheets
 - PDFs
 - Image files
 - Links to other sites/specific web pages



Cataloguing documents

- Short descriptive sentence for each item
- Information 'tagged' by:
 - Country of origination
 - Target audience
 - Content of item
 - Date of information origination
 - Language
 - Type of file/link



Searching library

Library

с

#2245

IMG

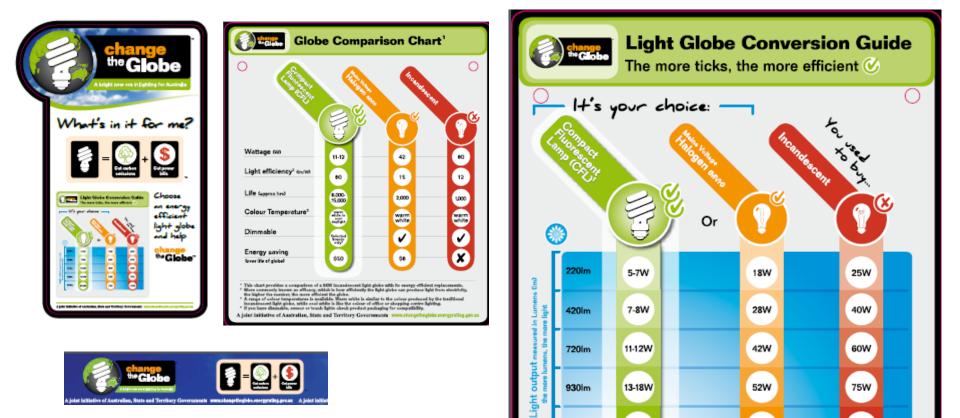
	-
	Date of publication: 1 Aug 2010 - 27 Sep 2012
	Match: Keyword Search
	Document Type
	▼ Target Audience
Search	 All Consumers Manufacturers Government/Regulators/Policymakers Retailers Testing laboratories
S	 Type of publication
	Matching Documents (2)
esults	Name Publication Date
ő	#123 PDF Some Document 21 Sep 2012

Some Image

14 Feb 2011

 Database searchable by a combination of these tags or will display all the information items within a particular tag

For example... Consumer education material



1300lm

18-23W

70W

¹ CFLs come in different shapes, sizes, fittings and colour temperatures, with wattages differing slightly between brands A joint initiative of Australian, State and Territory Governments www.changetheglobe.energyrating.gov.au

100W

Sixth *lites.asia* workshop – Delhi, India, 2-3 October 2012

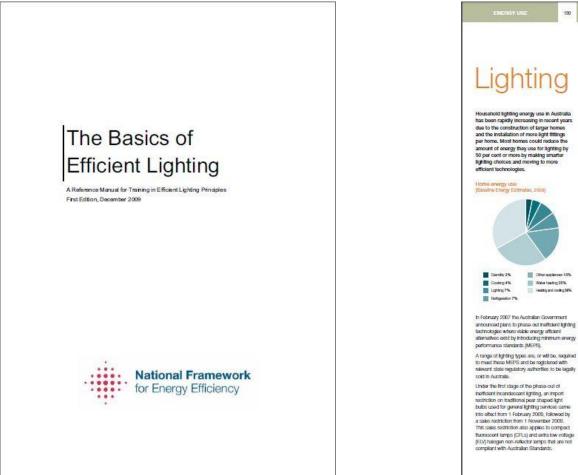
For example... packaging images





Sixth *lites.asia* workshop – Delhi, India, 2-3 October 2012

For example... training material



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announced plans to phase-out inefficient lighting allematives exist by introducing minimum energy

relevant state regulatory authorities to be legally

buibs used for general lighting services came into affact from 1 February 2009, followed by This sake restriction also applies to compact fluorescent lamps (CFLs) and extra low votage (ELV) heigen non-reflector lamps that are not

Other lamp future, were todulted to meet the Standards from October 2010. The phase-out schedule can be viewed at www.climatechange. gov.au/what-you-need-to-know/lighting

Good lighting is about more than lust light levels. The same level of light can provide affactive or ineffective lighting. Some lighting can make rooms flat and featureless even when it's bright. A lighting designer will be able to help you design more effective lighting, but make sure they know you also want an energy afficiant system.

An efficient and effective lighting system will: > Provide a high level of visual comfort. > Make use of natural light. > Provide the best light for the task

> Provide controls for flaxibility. > Have low energy regultements.

TYPES OF LIGHTS

Incandescent lamps

Incandescent lamps or bulbs have for many years been the most commonly used type of lighting. They work by heating an electric alement to white hot. They are inexperisive to buy and are available in a wide range of shapes and stors, but their running costs are high. Incandescent lamps are the least energy

efficient type of lighting, and are being phased out where ever possible over the next few years.

Almost all of the electrical energy used by incaridation tamps is converted into heat rather than light. Standard incandescent bulbs only last about a thousand hours and must be regularly replaced. Incandescent lamps are most suitable for areas where lighting is used Infraguantly and for short periods, such as launchies and toilets.

Incandescent spotlights have built-in reflectors that reliect the light forward. Light output decreases over time as some of the tungster in the flament evaporates and coats the diass bulb.

Halogan lights are also a type of incandescent lamp. The halogen gas in the bubs prevents evaporated tungsion from depositing on the glass bulb. They are more expensive to buy but last up to four thousand hours. They can be alther mains voltage bulbs (240M or low voltage buibs (typically used in downlighting).

A number of manufacturers are now producing traditional poer shaped lamps containing a halogen builb. Although more efficient than traditional incandescent lamps, these still use much more energy than a fluorescent lamp. A 60 Watt standard lamp can be replaced by a 42 Watt halogen or a 12 Watt CFL for the same light output.

Calling fires have increased significantly with the more common use of downlights that consistent the colling. Care must be taken to ensure that minimum cleanances around downlights ato maintained and that transformers are not undernash the insulation. Wherever possible, avoid recessed light titings as these are a major source of heat loss. (Bec: 4.8 Insula

Low voltage hakigen lamps (commonly known as downlights) are not low energy lamps. While they are slightly more efficient than standard incandescent lamps of the same waltage, large numbers of these lamps are required to light a room because they emit a narrow beam of light. Each downlight also requires a transformer that can consume an additional 10 to 15 Watts on top of the bulb energy.

More officient electronic transformers are available which use only a low Watts.

Because they are designed to be spot lights. downlights are not appropriate for general room Burnination. They are most suitable for highlighting leatures such as paintings or for task lighting directly over a cooking area or study dask. If using downlights, fit lower wattage and more efficient bubs. Efficient 36W lamps are available that produce as much light as a standard 50W lamp. You may even be able to replace a 50W lamp with a 20W lamp. Compact fluorescent lamps and LEDs designed for down lighting are an energy afficient. alternative that should be considered.

Discussion

- Searching the database?
- Additional tags?
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Discussion cont...

Additional material?

- Training packages
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- Equivalence requirements





Thank you!

