

CFL Labeling Program in Indonesia

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Ministry of Energy and Mineral Resources
Republic of Indonesia









Content

- Current Condition
- Policy Direction
- Labeling Program
- CFL Labeling
- How to Comply
- Monitoring Verification and Enforcement (MVE)









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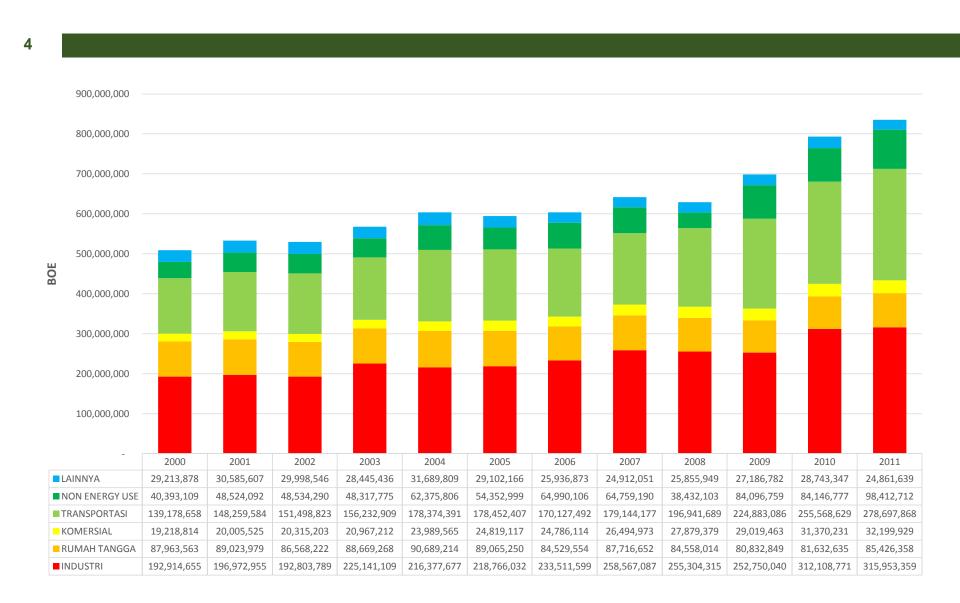




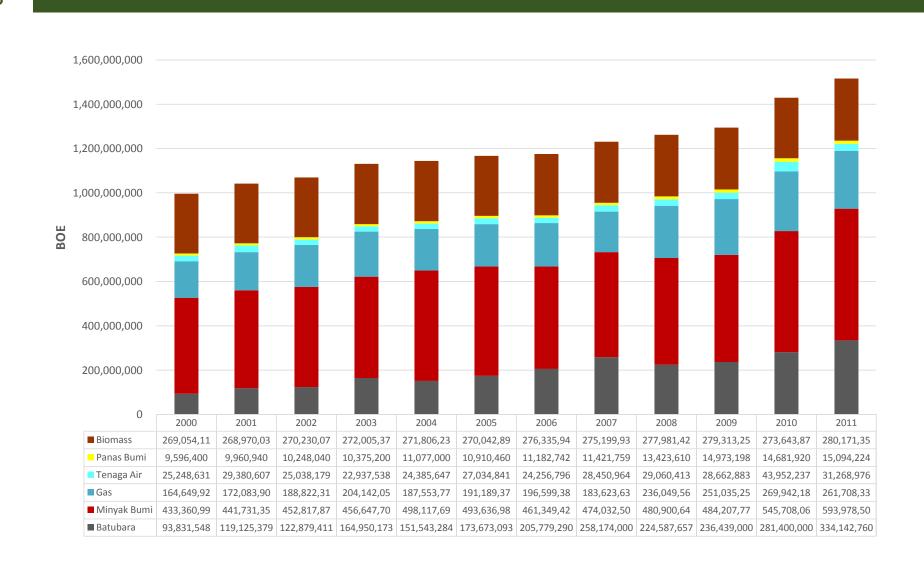




Final Energy Consumption (BOE)



Primary Energy Supply (BOE)



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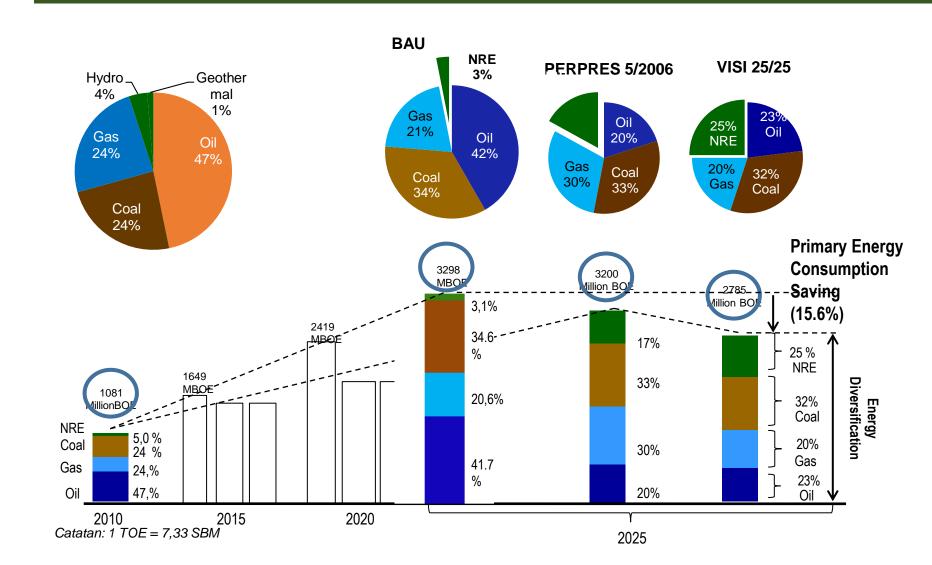








Policy Direction



Government Regulation on Energy Conservation

Gov't Regulation No.70/2009 on ENERGY CONSERVATION



CONTENT



RESPONSIBLE OF CENTRAL GOV'T, LOCAL GOV'T, PRIVATES, AND COMMUNITY



IMPLEMENTATION ON ENERGY CONSERVATION



STANDARD & LABEL



FACILITATION, INCENTIVE & DISINCENTIVE



GUIDANCE AND SUPERVISION

- energy performance standard for electric appliances , and energy efficiency label
- Energy efficiency label should be implemented by producer and importer of energy appliances

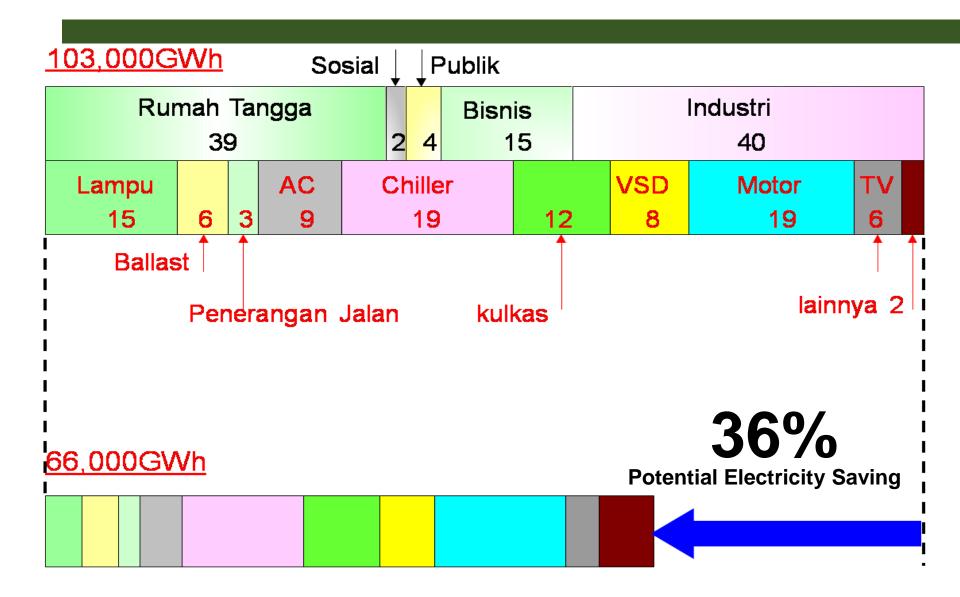








Potential Saving from Household Appliances



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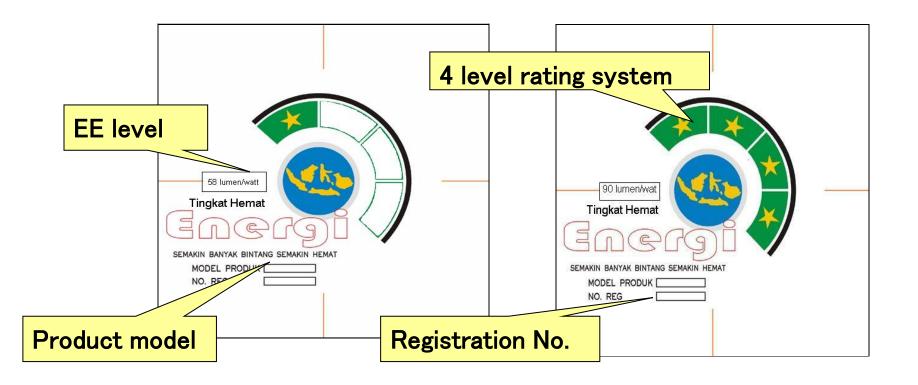








Comparative Label (SNI 04-6958-2003)











Target Products for Labeling

- Compact Fluorescent Lamp
- Refrigerator
- Room Air Conditioner 3.
- **Television**
- **Electronic Ballast** 5.
- **Electric Fans** 6.
- Rice Cooker
- Motor
- Washing machine 9.
- 10. Electric Iron

































Progress of Testing Standard and Labeling

APPLIANCE	SNI SAFETY	SNI ENERGY PERFORMANCE	LABELING
CFL lamp	V	V	V
Refrigerator	V	V	DRAFT
Air Conditioner	V	V	DRAFT
Electric Fan	V	DRAFT	DRAFT
Rice Cooker	V	DRAFT	DRAFT
Ballast Electronic	V	DRAFT	Preparation
Electrict Motor	V	DRAFT	Preparation









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CFL Labeling Program

- **Objective:** introducing energy saving level as a guidance for consumer and to promote energy efficiency
- Testing procedure refer to: SNI IEC 60969 : 2009
- Label for energy saving marks: SNI 04-6958-2003
- Self Declaration of Conformity (SDoC): SNI ISO/IEC 17050-1: 2010
- Legal basis for mandatory: Ministry Regulation (MEMR) No. 6/2011 on Energy Labeling for CFL was issued as a legal basis. Mandatory will be impose in May 2013 □ being revised
- CFL is a pioneer for Labeling Program









The Regulation in Brief

- CFL sold in Indonesia market is obliged to have EE label
- It is mandatory to have license to affix the label
- The performance that is claimed in the label should be based on test result from recognized/accredited lab and must be confirmed by accredited/appointed conformity institution/sertification body.









Object of CFL labeling Regulation

- Cool day light (6500K) → being revised
- HS Code: 8539.31.90.20
- Pre-requirement: it is mandatory to comply with safety standard of SNI 04-6504-2001 or it's revision (fluoroscent lamp for general use normative ref: IEC 60968: 1988, IEC 60695-2-1, IEC 60360, IEC 60238, IEC 60061-3: 1969, IEC 60061-1:1969)

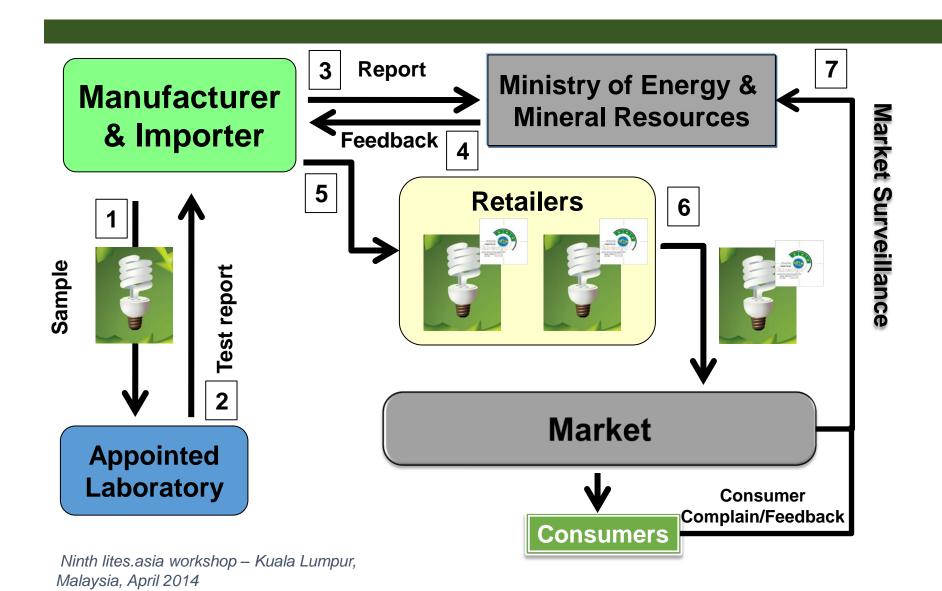








SDoC (Self Declaration of Conformity) System



4 Star Rating System

Combine the Comparative Label and MEPS

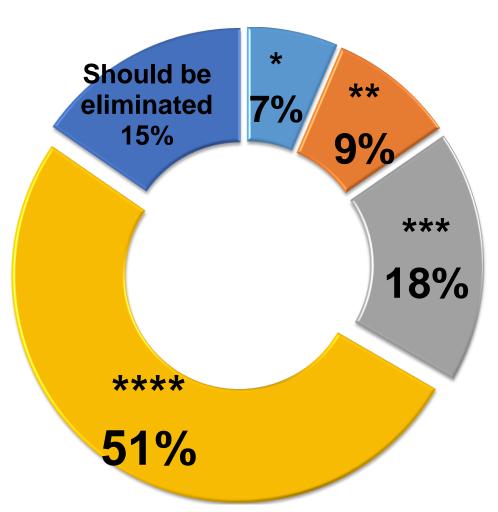
MEPS

Minimum EE level for each category



	Efication Value (Lumen/Watt)			
Power (Watt)	1 Star	2 Stars	3 Stars	4 Stars
5 – 9	45 – 49	>49 – 52	>52 – 55	> 55
10 – 15	46 – 51	> 51 – 54	> 54 – 57	> 57
16 – 25	47 – 53	> 53 – 56	> 56 – 59	> 59
≥ 26	48 – 55	> 55 – 58	> 58 – 61	> 61

Previous CFL Profile



Source: Palaloi, CFL Survey in Indonesia Market 2011, BPPT

Progress (status of April 2014)

10 (ten) Companies have already submit the EE Label declaration:

- 1. PT Panasonic Lighting Indonesia
- 2. PT Philips Indonesia
- 3. PT Star Cosmos
- 4. PT GE Lighting Indonesia
- 5. PT Panca Aditya Sejahtera
- 6. PT Osram Indonesia
- 7. PT Gunawan Elektrindo
- PT Golden Visalux
- 9. PT Samudra Karya Mulia
- 10. PT Golden Batam Raya

In total: 22 Brands with 57 Models

(approx: 11% of total CFL Brands)









Revision of CFL Standard & Label Regulation in Indonesia (waiting for signed by Minister)









Color Temperature Classification

Before

only Cool day light (specify as 6500K)

After

Two classification:

- 1) 2700 K up to < 4400 K;
- and
- 2) ≥4400 up to 6500 K









Star Rating Revision









4 star rating system



Combine the Comparative Label and MEPS



MEPS

Minimum EE level for each category



Power	*	Efication Value (Lumen/Watt)			
(Watt)	1 Star	2 Stars 3 Stars		4 Stars	
5 – 9	45 – 49	>49 – 52	>52 – 55	> 55	
10 – 15	46 – 51	> 51 – 54	> 54 – 57	> 57	
16 – 25	47 – 53	> 53 – 56	> 56 – 59	> 59	
≥ 26	48 – 55	> 55 – 58	> 58 – 61	> 61	
		Olites.asia	AND THE	en.lighten UNEP	

Australian Government



2700 K up to < 4400 K

Power		Efication Value (Lumen/Watt)			
(Watt)	1 Star	2 Stars	4 Stars		
≤ 8	< 34	≥ 34	≥ 44	≥ 54	
> 8 - 15	< 38	≥ 38	≥ 48	≥ 58	
> 15 - 25	< 42	≥ 42	≥ 52	≥ 62	
> 25 - 60	< 46	≥ 46	≥ 56	≥ 66	

≥ 4400 K up to 6500 K

Power		Efication Value (Lumen/Watt)			
(Watt)	1 Star	2 Stars 3 Stars		4 Stars	
≤ 8	< 33	≥ 33	≥ 42	≥ 51	
> 8 - 15	< 37	≥ 37	≥ 46	≥ 55	
> 15 - 25	< 41	≥ 41	≥ 50	≥ 59	
> 25 - 60	< 45	≥ 45	≥ 54	≥ 63	

Australian Government

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Submission of Declaration

- Producer/Importer submit it's declaration of conformity to Director General of New Renewable Energy and Energy Conservation
- Attachment:
 - Self Declaration of Conformity refers to SNI ISO/IEC 17050-1: 2010 (self declaration procedure of the suppliers-general requirements)
 - Copy of Testing Report









Pre-Requirements for the Supplier:

- Fulfill the legal license :
 - industry/importer license
 - Brand register or license
- Implemented the Magement System Standard (SNI ISO 9001:2008 or it's revision/another equal standard)
- Producer should have it's own acredited testing lab or having partnership with acredited independent testing lab.
- Importer should have certificate of testing report of the product (CFL) from appointed testing lab.









Acredited Testing Lab in Indonesia

(There are 8 testing lab capable to test according to SNI IEC 60969 : 2009 but only 2 are acredited)

Name of Laboratory	Accreditation	address
Puslitbang Teknologi	 Safety 	Jl. Ciledug raya Kav. 109 Cipulir
Ketenagalistrikan dan Energi	 Performance 	Kebayoran Lama, Jakarta Selatan
Baru Terbarukan (P3TKEBT) –		12230.
Kementerian ESDM		Telp: 021-720-3530, Fax: 021-720-
(Center Research for electricity, New,		<i>3525.</i>
Renewable Energy, and Energy		http://www.p3tkebt.esdm.go.id/in
Conservation – Ministry of Energy and		dex.php?lang=en
Mineral Resources)		
Balai Besar Bahan dan Barang	Safety	Jl. Sangkuriang No. 14 Bandung
Teknik (B4T) – Kementerian	 Performance 	40135
Perindustrian		Telp: 022-2504088, 022-2504828,
(Center for Material and		022-2510682
Technical Product – Ministry of		Fax: 022-2502027
Industry)		http://www.b4t.go.id/lang/en/

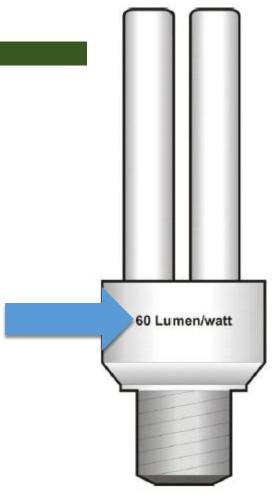
Appointed Lab in Indonesia

(recognized to conduct testing an EE certification but not accredited yet (in the process of accreditation). Mandated to be acredited as soon as possible, maximum grace period is 2 years)

Name of Laboratory	Address
Balai Pengujian Mutu Barang	Jl. Raya Bogor Km 26, Ciracas, Jakarta Timur
(BPMB)	Telp: +6221 8710323, Fax: +6221 8710478.
Ministry of Trade	
Balai Besar Teknologi Energi	Kawasan Puspitek
(B2TE), BPPT	Gd. 620-622 Serpong, Tangerang - Banten
	Telp: +6221 7560550, 7560092
	Fax: +6221 7560904
Balai Riset dan Standardisasi	Jl. Jagir Wonokromo No. 360, Surabaya 60244
Industri Surabaya	Telp: +6231 8410054, Fax: +6231 8410480.
Ministry of Industry	
PT Sucofindo	Jl. Arteri Tol Cibitung No. 1 Bekasi 17520
	Telp: +6221 88321176; Fax: +6221 88321166

Label Marking

- Packaging: Energy Efficient Label as SNI 04-6958-2003 (detail will be explained next)
- Lamp : Efficacy Value should be affixed in the lamp holder





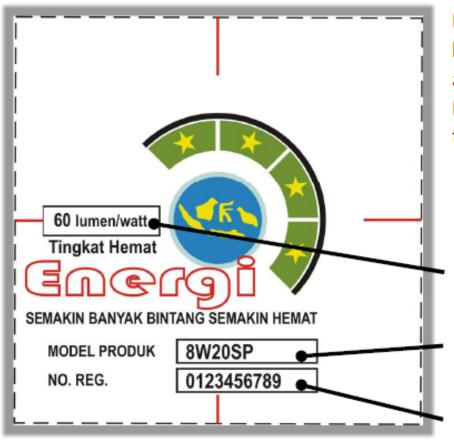






The Label:

Energy Efficient Label



Images used for product labels on ballasted lamp refers to SNI number 04-6958-2003 about Purposes for Domestic Electricity – Energy Efficient Label (size can be adjusted to the size of packing light).

Lumen value according test result.

Model Name from manufacturers.

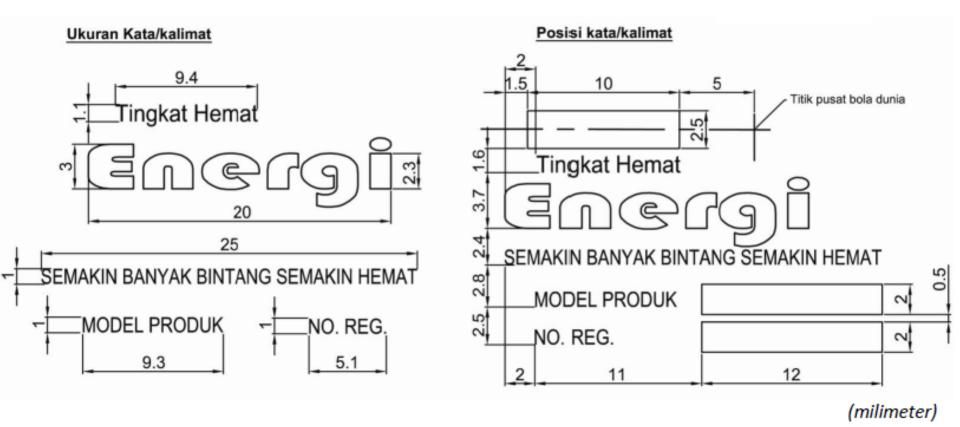
Number issued by the testing laboratory



Ninth lites.asia workshop – Kuala Lumpur, Malaysia, April 2014

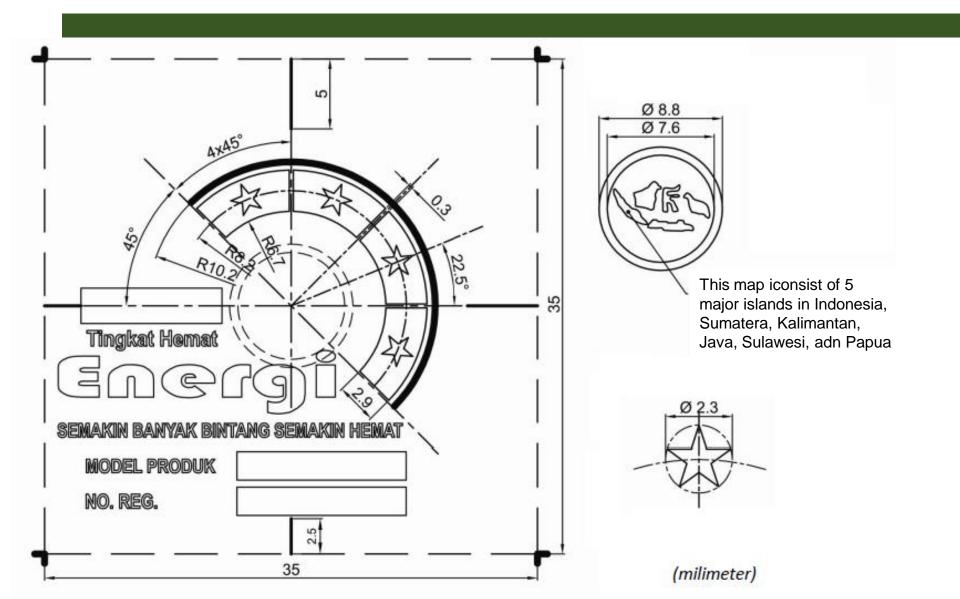
The Detail: Size of the Information

Size label shown in the figure is a measure that can be proportionally adjusted depend on the size of light packaging.



Ninth lites.asia workshop – Kuala Lumpur, Malaysia, April 2014

The Detail: Picture



The Detail: Font

Word / Sentence	Font	Color	Thick & Border Color
" Tingkat Hemat"	Arial (Bold)	Black	Without Border
"Energi"	Bauhaus 93	White	Red (Pantone 483 C) Thick Line : 0.2 mm
" SEMAKIN BANYAK BINTANG SEMAKIN HEMAT"	Arial (Bold)	Black	Without Border
"MODEL PRODUK"	Arial (Bold)	Black	Without Border
"NO. REG."	Arial (Bold)	Black	Without Border
BACKGROUND COLOR LABEL		White Glossy	/
MATERIAL LABEL & ADHESI	VE	Determined	as needed.

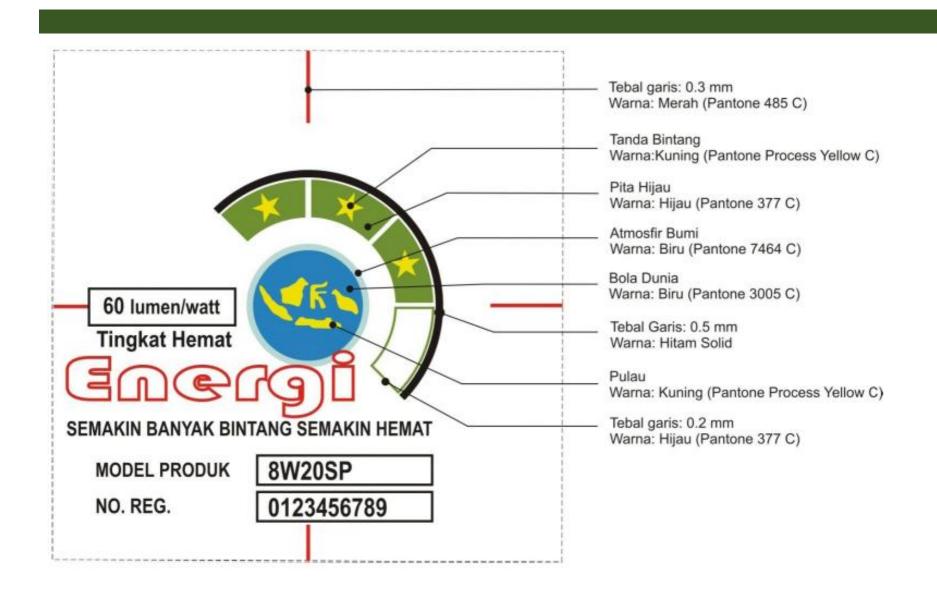




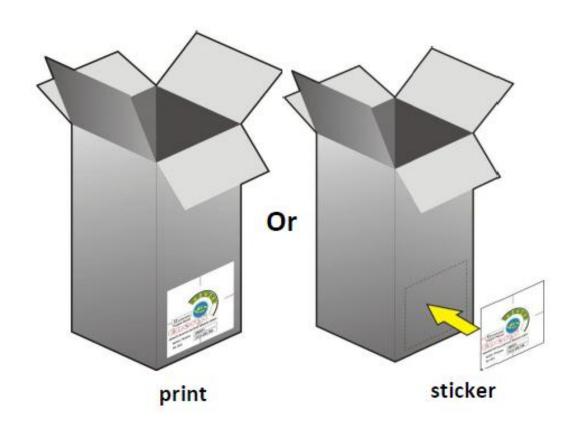




The Detail: Color



The Detail: Placement













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Moniting Verification and Enforcement (MVE) will focus on:

- License to put energy label
- Label itself (mandatory to put label)
- Conformity of the performance that is claimed as in the label









Product Sampling

- Sample will be randomly collected from:
 - Store(s)
 - Factory(ies)
 - Warehouse(s)
- Sample treatment:
 - Number of samples is 20 for each type/model
 - It is required that minimum 15 of the samples can withstand during 100 hours of aging period
 - Energy Efficiency (Efficacy) range of tolerance is 20% from it's claim









Sanction for Non-Compliances

- Mandatory for producer/importer to withdraw the noncompliance products and then demolish or re-export the noncompliance products with their own cost.
- Government will send a written warning up to three times.
 Three months is given for following up the warning.
- If it is happened that up to third warning and still disobeyed, then the license will be withdrawn → consequences: 1) the products in the market is illegal, 2) considered as violation of law of consumer protection and due to this violation, the producer/importer have to face lawsuit under pinalty of maximum 5 years imprisonment or fine of Rp. 2 billion (around USD 175 thousand).









Contact Us

For more information please to contact:

Ministry of Energy and Mineral Resources

Directorate General of New Renewable Energi and Energy Conservation

Directore of Energy Conservation

Address : Jl. Pegangsaan Timur 1A, Cikini, Jakarta 10320

Telp : 021-529-04235

Fax : 021–255-29106

Email: info@ebtke.esdm.go.id

Website: www.ebtke.esdm.go.id









THANK YOU









Format of the Submission Letter

	(company letter head)			
Nomor	: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Date	:			
About	Suppliers Declaration of Conformity			
Attachment	: One file			
Dear				
Directorate Ger	neral of			
New Renewabl	e Energy and Energy Conservation			
Ministry of Ene	rgy and Mineral Resources			
	dersigned is:			
Name				
Position				
Company Nam Company Addr				
Company Audi	C22			
Submit a state form.	ment of compliance for suppliers of	lighting products swabaliast according to a		
there is a devi-		n of Conformity Supplier is true. If the future on in this statement, we are ready to accept ulations.		
Such st lamps.	tatements are made as tagging req	uirements on energy saving mark ballasted		
		<pre><<pre><<pre><<pre><<pre><<pre><<pre><<pre></pre></pre></pre></pre></pre></pre></pre></pre>		
		Stemp duty		
		< <name, position="">></name,>		









Format of the Declaration

- Contain the name and address of the company issuing the declaration of conformity.
- 2. In this declaration, the object is self ballasted lamp being labeled.
- 3. Contain Informations:
- Name/Type Product/ Type Swaballast Lamps
- Name of Manufacturers/Brand Holder that manufacture or import swaballast
- 6. Efficacy (lumen/watt) is ratio value between the powerful light generated (lumens) and ballasted lamp power (watts).
- 7. The number of stars indicates the level of energy efficiency (the more stars the more efficient) and filled according to the table based on the value of its efficacy criteria on energysaving mark ballasted lamp.
- 8. The number of products containing the estimated amount swaballast lighting products manufactured / imported for one year by the publication of the Declaration of Conformity.
- 9. Additional Information contains additional information supporting the statement of compliance, such as a sign or label similar energy saving abroad that have been obtained, the reference testing laboratory accreditation document, attachment test results, and others.
- 10. Contains the name of the testing laboratory and its signature, official name and seal / stamp test lab.
- 11. Contains the name of the company issuing the declaration of conformity with the signature, official name and seal / stamp of the company.

DECLARATION OF CONFORMITY SUPPLIERS FORM

(Company letterhead)

Declaration of Conformity Supplier

(1)	Issuer's Name	:
	Issuer's Address	:

(2) Object of declaration : Self balasted lamps

Additional Information

(3) The object of the declaration as detailed below is in conformity with the certificate of testing report as attched:

Name / Type of Product	Manufacturers / Brand Holder	Efficacy (LumenWett)	Star Level	estimated amount of product labeled

(4)		
	< <pre><<ple><<ple><<ple><<ple><<ple><<ple></ple></ple></ple></ple></ple></ple></pre>	
(5)	Name of Test Laboratory	(6) Signed for and behalf of

	< <name. &="" laboratory="" position="" stamp="">></name.>	< <name. &="" company="" position="" stamp="">></name.>