

Ref: NEA-LSD-CIRCULAR-ECA-00003-2024

Date: 3-Apr-2024

Designated Company Representatives, Registered Air-Conditioner, Television and Lamp Suppliers under the Energy Conservation Act (ECA)

Dear Sir/Madam

REQUIREMENTS FOR REGULATED LAMPS, TELEVISIONS AND PORTABLE AIR-CONDITIONERS WITH EFFECT FROM 1st APRIL 2024

We refer to circular dated 10 Mar 2023 (NEA-LSD-CIRCULAR-ECA-00002-2023) and would like to remind all relevant stakeholders on the latest subsidiary legislations¹ governing regulated goods under the ECA.

2 From 1 Apr 2024, all single-phase lamps, television and portable air-conditioner sold in Singapore must meet the Minimum Energy Performance Standards, Energy Labelling and standby power requirements (where applicable) as summarised in **Annex A**.

3 Compliance with the requirements under the ECA is mandatory. Any non-compliance with the supply of regulated goods in Singapore is an offence under Section 12 of the ECA. Companies that are found to be non-compliant shall be liable, upon conviction, to a fine not exceeding \$10,000.

4 If you have any queries concerning this circular or need further clarification or assistance, please contact us at Tel: 6731-9952 or email: nea_energylabel@nea.gov.sg. Thank you.



Yours faithfully
(Transmitted via email)

Suresh K
Director (Carbon Mitigation Division)
For Director-General (Environmental Protection)
National Environment Agency

¹ The web links of the *Gazette* notifications are appended below:
<https://www.egazette.com.sg/pdf.aspx?ct=sls&yr=2023&filename=23sls710.pdf>
<https://www.egazette.com.sg/pdf.aspx?ct=sls&yr=2023&filename=23sls711.pdf>

Key Amendments to MEPS and MELS for Portable Air-conditioners, Television and Lamps with effect from 1 April 2024

Type of portable air-conditioners	Single-phase portable air conditioners having a single exhaust duct (12kW or lower)
Requirements	<p>Portable air-conditioners are rated based on:</p> <p>i) Minimum Energy Performance Standards (MEPS) level at Coefficient of Performance (COP)_{100%} ≥ 3.0</p> <p>ii) Mandatory Energy Labelling Scheme (MELS) at</p> <p>1-tick (Low): $3.0 \leq \text{COP}_{100\%} < 3.25$</p> <p>2-tick (Fair): $\text{COP}_{100\%} \geq 3.25$</p>

Types of Televisions	Televisions with resolution less than 33,177,600 pixels [non-8K TV]
Requirements	<p>Revised MEPS:</p> $P \leq 0.30 \times (20 + 4.3224 \times A)$ <p>Passive standby power ≤ 0.50W</p>

“A” refers to screen area as expressed in square decimeters

Type of Lamps	Incandescent, CFLi, LEDi, CFLni, LEDni, T8/T5 LED (500-1500mm)	T8/T5 LFL (500-1500mm)
MEPS Requirements	$\eta_{\text{min.}} = 100 \text{ lm/W}$	$\eta_{\text{min.}} = 75 \text{ lm/W}$
MELS Requirements	<p><u>Ticks</u></p> <p>4</p> <p>3</p> <p>2</p> <p>1</p>	<p>η</p> <p>$\eta \geq 160$</p> <p>$135 \leq \eta < 160$</p> <p>$110 \leq \eta < 135$</p> <p>$\eta < 110$</p>

“ η ” refers to rated lamp efficacy as expressed in lumen per watt