



Republic of the Philippines
DEPARTMENT OF ENERGY
(Kagawaran ng Enerhiya)

DOE DC2016-04-0005
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Annex A
List of Products Covered by PESLP

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LIST OF PRODUCTS COVERED BY PESLP

The following energy consuming products are covered under DC2016-04-0005. This List shall be amended as needed or new products will be covered by this Guidelines:

TABLE A.1: APPLIANCES AND EQUIPMENT					
No.	PRODUCT	SCOPE	MINIMUM ENERGY PERFORMANCE (MEP)	ESSENTIAL REQUIREMENTS	NORMATIVE REFERENCE
1	Air-conditioners	Fixed Speed and Variable Speed Capacity: up to 14 kW	<u>Fixed Speed:</u> < 3.33 kW : 2.90 CSPF ≥ 3.33 kW : 2.81 CSPF <u>Variable Speed:</u> < 3.33 kW : 3.25 CSPF ≥ 3.33kW : 3.13 CSPF	<ul style="list-style-type: none"> • Measured cooling capacity ≥ 90% of the claimed rating. • Measured CSPF ≤ 110% on claimed rating. 	<ul style="list-style-type: none"> • PNS ISO 16358-1:2014 • PNS ISO 5151:2014
2	Refrigerator	Up to 600 L	Single Door-Direct Cooling EEF: 172	<ul style="list-style-type: none"> • Storage temperature Fresh Food Compartment Temperature ≤ 5°C • Frozen Food Compartment Temperature ≤ -6°C 	<ul style="list-style-type: none"> • PNS IEC 62552: 2012 • PNS 1475 (ISO 7371) • PNS 1476 (ISO 8187) • PNS 1477 (ISO 8561)
3	Television	Up to 813mm (47")	Standby Power: ≤ 1.0 W	<ul style="list-style-type: none"> • Measured viewing screen ≥ 99% of claimed size. 	<ul style="list-style-type: none"> • PNS IEC 62087:2011

			EEF: none	<ul style="list-style-type: none"> Power consumption \leq 95% of claimed rating. 	
4	Washing Machine	Manual and Automatic up to 10 kg	EEF: 4.5 kg/kWh-cycle	<ul style="list-style-type: none"> Washability index \geq 0.60 Measured Washability index \geq 90% of claimed rating. Measured capacity \geq 95% Measured energy consumption \leq 110% EEF \geq 95% of rated 	<ul style="list-style-type: none"> PNS IEC 60456:2010

TABLE A. 2: LIGHTING PRODUCTS

No.	PRODUCT	SCOPE	MINIMUM ENERGY PERFORMANCE (MEP)	ESSENTIAL REQUIREMENTS	NORMATIVE REFERENCE																
1	Compact Fluorescent Lamp	3 to 60 W	<table border="1"> <thead> <tr> <th rowspan="3">Input power of lamp (W)</th> <th colspan="2">Initial luminous efficacy (lm/W)</th> </tr> <tr> <th colspan="2">Correlated color temperature (CCT)</th> </tr> <tr> <th>\leq 4000K</th> <th>>4000K</th> </tr> </thead> <tbody> <tr> <td>\geq 2 to < 5</td> <td>45</td> <td>41</td> </tr> <tr> <td>\geq 5 to < 9</td> <td>50</td> <td>46</td> </tr> <tr> <td>\geq 9 to <15</td> <td>55</td> <td>52</td> </tr> </tbody> </table>	Input power of lamp (W)	Initial luminous efficacy (lm/W)		Correlated color temperature (CCT)		\leq 4000K	>4000K	\geq 2 to < 5	45	41	\geq 5 to < 9	50	46	\geq 9 to <15	55	52	<ul style="list-style-type: none"> Refer to Annex B.5: PPR for CFL Clause B.5.9 	<ul style="list-style-type: none"> PNS IEC 60969:2012 CIE 84 1st Edition 1989 CIE 13.3-1995 PNS 2050-2 : 2007
Input power of lamp (W)	Initial luminous efficacy (lm/W)																				
	Correlated color temperature (CCT)																				
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			<table border="1"> <tr> <td>≥ 15 to < 25</td> <td>60</td> <td>57</td> </tr> <tr> <td>≥ 25</td> <td>65</td> <td>62</td> </tr> </table>	≥ 15 to < 25	60	57	≥ 25	65	62												
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≥ 25	65	62																			
2	Linear Fluorescent Lamp (Double Capped Fluorescent Lamp)	10 to 40 W	<p>Table 1 – Required minimum efficacy of halophosphate linear fluorescent lamps</p> <table border="1"> <thead> <tr> <th rowspan="3">Input power of lamp (W)</th> <th colspan="2">Initial luminous efficacy (lm/W)</th> </tr> <tr> <th colspan="2">Correlated color temperature (CCT)</th> </tr> <tr> <th>≤ 4000K</th> <th>>4000K</th> </tr> </thead> <tbody> <tr> <td>≥ 10 to < 21</td> <td>60</td> <td>55</td> </tr> <tr> <td>≥ 22 to < 35</td> <td>65</td> <td>60</td> </tr> <tr> <td>≥ 36 to < 65</td> <td>70</td> <td>65</td> </tr> </tbody> </table>	Input power of lamp (W)	Initial luminous efficacy (lm/W)		Correlated color temperature (CCT)		≤ 4000K	>4000K	≥ 10 to < 21	60	55	≥ 22 to < 35	65	60	≥ 36 to < 65	70	65	<ul style="list-style-type: none"> Refer to Annex B.6: PPR for LFL Clause B.6.9 	<ul style="list-style-type: none"> PNS IEC 60081:2006 CIE 84 1st Edition 1989 CIE 13.3-1995 PNS 2050-1-1:2007
Input power of lamp (W)	Initial luminous efficacy (lm/W)																				
	Correlated color temperature (CCT)																				
	≤ 4000K	>4000K																			
≥ 10 to < 21	60	55																			
≥ 22 to < 35	65	60																			
≥ 36 to < 65	70	65																			

Table 2 –Required minimum efficacy of triphosphor linear fluorescent lamps

Input power of lamp (W)	Initial luminous efficacy (lm/W)	
	Correlated color temperature (CCT)	
	≤ 4000K	>4000K
≥ 14 to < 21	65	60
≥ 22 to < 35	70	70
≥ 36 to <65	83	78

NOTE This table and requirements are not applicable to high efficient preheated cathode double-capped triphosphor T5 fluorescent lamps.

			<p>Table 3 – Required minimum efficacy of triphosphor T5 fluorescent lamps</p> <table border="1"> <thead> <tr> <th rowspan="3">Input power of lamp (W)</th> <th colspan="2">Initial luminous efficacy (lm/W)</th> </tr> <tr> <th colspan="2">Correlated color temperature (CCT)</th> </tr> <tr> <th>≤ 4000K</th> <th>>4000K</th> </tr> </thead> <tbody> <tr> <td>≥ 10 to < 21</td> <td>85</td> <td>80</td> </tr> <tr> <td>≥ 22 to < 35</td> <td>95</td> <td>90</td> </tr> </tbody> </table>	Input power of lamp (W)	Initial luminous efficacy (lm/W)		Correlated color temperature (CCT)		≤ 4000K	>4000K	≥ 10 to < 21	85	80	≥ 22 to < 35	95	90					
Input power of lamp (W)	Initial luminous efficacy (lm/W)																				
	Correlated color temperature (CCT)																				
	≤ 4000K	>4000K																			
≥ 10 to < 21	85	80																			
≥ 22 to < 35	95	90																			
3	Circular Fluorescent Lamp (FCL or Single Capped Fluorescent Lamp)	10 to 40 W	<p>Table 1 – Required minimum efficacy of halophosphate circular fluorescent lamps</p> <table border="1"> <thead> <tr> <th rowspan="3">Input power of lamp (W)</th> <th colspan="2">Initial luminous efficacy (lm/W)</th> </tr> <tr> <th colspan="2">Correlated color temperature (CCT)</th> </tr> <tr> <th>≤ 4000K</th> <th>>4000K</th> </tr> </thead> <tbody> <tr> <td>14 to 22</td> <td>45</td> <td>40</td> </tr> <tr> <td>23 to 40</td> <td>50</td> <td>45</td> </tr> <tr> <td>>40</td> <td>55</td> <td>50</td> </tr> </tbody> </table>	Input power of lamp (W)	Initial luminous efficacy (lm/W)		Correlated color temperature (CCT)		≤ 4000K	>4000K	14 to 22	45	40	23 to 40	50	45	>40	55	50	<ul style="list-style-type: none"> Refer to Annex B.7: PPR for FCL Clause B.7.9 	<ul style="list-style-type: none"> PNS IEC 60901:2001 Amd. 01 02 & 03: 2006 CIE 84 1st Edition 1989 CIE 13.3-1995 PNS 2050-1-2:2007
Input power of lamp (W)	Initial luminous efficacy (lm/W)																				
	Correlated color temperature (CCT)																				
	≤ 4000K	>4000K																			
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23 to 40	50	45																			
>40	55	50																			

			<p>Table 2 - Required minimum efficacy of triphosphate circular fluorescent lamps</p> <table border="1"> <thead> <tr> <th rowspan="3">Input power of lamp (W)</th> <th colspan="2">Initial luminous efficacy (lm/W)</th> </tr> <tr> <th colspan="2">Correlated color temperature (CCT)</th> </tr> <tr> <th>≤ 4000K</th> <th>>4000K</th> </tr> </thead> <tbody> <tr> <td>14 to 22</td> <td>55</td> <td>50</td> </tr> <tr> <td>23 to 40</td> <td>60</td> <td>55</td> </tr> <tr> <td>>40</td> <td>65</td> <td>60</td> </tr> </tbody> </table>	Input power of lamp (W)	Initial luminous efficacy (lm/W)		Correlated color temperature (CCT)		≤ 4000K	>4000K	14 to 22	55	50	23 to 40	60	55	>40	65	60		
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23 to 40	60	55																			
>40	65	60																			
4	Lamp Ballasts	Electronic and Magnetic up to 40 watts	EEF: none	<ul style="list-style-type: none"> Refer to Annex B.8: PPR for BAL Clause B.8.9 	<ul style="list-style-type: none"> PNS IEC 60921:2006 PNS IEC 60929:2006 																

TABLE A.3: PASSENGER CARS AND COMMERCIAL VEHICLES

No.	PRODUCT	SCOPE	MINIMUM ENERGY PERFORMANCE (MEP)	ESSENTIAL REQUIREMENTS	NORMATIVE REFERENCE
1	Passenger Cars-M1	≤ 8 seats in addition to the driver seat	km/L: none	<ul style="list-style-type: none">Refer to Annex B.9: PPR for MV Clause B.9.2.8	UN ECE101
2	Commercial Vehicles-N1	Mass ≤ 3.5 tonnes	km/L: none	<ul style="list-style-type: none">Refer to Annex B.9: PPR for MV Clause B.9.2.8	UN ECE101