

LIST OF PNS-COMPLIANT COMPACT FLUORESCENT LAMPS (CFLs)

PNS: Philippine National Standard (PNS IEC 969:2006 and PNS 2050-2:2007)*

As of SEPTEMBER 30, 2011

Issued by the DEPARTMENT OF ENERGY

*Effectivity date for the mandatory certification of CFLs based on the new PNS is 01 January 2010

Item No.	Wattage Category	Brand Name	Model Name	Color Appearance	Type of Lamp	Claimed Lamp Specifications			
						Light Output, lumens	Wattage Rating, watts	Efficacy, lumens per watt	Average Life, hours
1	55W	OMNI	EL4U-55W	Daylight	4U	3400	55	62	8000
2	50W	STARLUX	ESL	Daylight	4U-BL	3100	50	62	6000
3	42W	OMNI	ESM-42W	Warm White	Spiral	2730	42	65	6000
5	30W	STARLUX	ESL	Daylight	4U-BL	1860	30	62	6000
6	24W	GARTIM	EB-LB24AP	Daylight	Spiral	1440	24	60	8000
7		GE	FLE24HLX/827/T3	Warm White	Spiral	1750	24	73	8000
8		GE	FLE24HLX/865/T3	Daylight	Spiral	1650	24	69	8000
9		PHILIPS	Tornado-24W	Warm White	Spiral	1550	24	65	6000
10		PHILIPS	Tornado-24W	Daylight	Spiral	1450	24	60	6000
11		PHILIPS	Tornado	Warm White	Spiral	1550	24	65	6000
12		PHILIPS	Tornado	Daylight	Spiral	1450	24	60	6000
13	23W	A. OPTIMA	ESL	Daylight	Spiral	1398	23	61	6000
14		ENERGETIC	T3HS-23W	Warm White	Spiral	1400	23	61	8000
15		FOCUS	Hi-tech	Daylight	Spiral	1379	23	60	6000
16		G.E.	FLE23TBX/865/T4	Daylight	3U	1390	23	60	6000
17		G.E.	FLE23HLX/865/T4	Daylight	Spiral	1580	23	69	6000
18		LANDLITE	ELH-23W	Daylight	Spiral	1392	23	61	6000
19		OMNI	EMM-23W-DL	Daylight	Spiral	1300	23	57	8000
20		OSRAM	PZ23-3URDE2	Daylight	3U	1400	23	61	6000
21		OSRAM	23-W/827	Warm White	Twist	1500	23	65	6000
22		PHILIPS	Tornado-CDL	Daylight	Spiral	1420	23	62	6000
23		STARLUX	SUPER TWIST	Daylight	Spiral	1380	23	60	6000
24	21W	STARLUX	ESL	Daylight	Spiral	1260	21	60	6000
25		TOSHIBA	Neoball-E	Warm White	4U-BL	1260	21	60	6000
26	20W	A. OPTIMA	TA 3U 20W	Daylight	3U	1200	20	60	6000
27		ARO	EUT-20W	Daylight	3U-BL	1170	20	59	6000
28		FIREFLY	FESOC20D	Daylight	Octopus	1200	20	60	6000
29		GARTIM	EB-LB20AP	Daylight	Spiral	1230	20	62	8000
30		G.E.	FLE20HLX/865/T4	Daylight	Spiral	1410	20	71	6000
31		G.E.	FLE20TBX827E27	Warm White	Spiral	1350	20	68	6000
32		OSRAM	Dulux EE	Daylight	3U	1140	20	57	6000
33		PHILIPS	Tornado	Warm White	Spiral	1350	20	68	6000
34		PHILIPS	Tornado	Daylight	Spiral	1250	20	63	6000
35		PHILIPS	Tornado-20W	Warm White	Spiral	1350	20	68	6000
36		PHILIPS	Tornado-20W	Daylight	Spiral	1250	20	63	6000
37		QUSUN	YPZ-QLS/L3U	Daylight	L3U	1150	20	58	6000
38		TUNGSRAM	FLT20HLX-SP	Warm White	Spiral	1282	20	64	6000
39		TUNGSRAM	FLT20HLX-SP	Daylight	Spiral	1246	20	62	6000
40	18W	AKARI	AESL3U-18DL	Daylight	3U	1080	18	60	6000
41		A. OPTIMA	TA 3U 18W	Daylight	3U	1080	18	60	6000
42		ENERGETIC	T3HS-18W-6400K	Cool Daylight	Spiral	1150	18	64	8000
43		ENERGETIC	T3HS-18W-2700K	Warm White	Spiral	1200	18	67	8000
44		FOCUS	Hi-tech	Daylight	Spiral	1090	18	61	6000
45		LANDLITE	ELT 3U-BL	Daylight	3U-BL	1080	18	60	6000
46		PHILIPS	Essential	Daylight	3U	1040	18	58	6000
47		QUSUN	LX	Warm White	Spiral	1119	18	62	6000
48		STARLUX	SUPER TWIST	Daylight	Spiral	1080	18	60	6000
49		TOSHIBA	EFD18D/65-E3U	Daylight	3U-BL	1120	18	62	6000

Item No.	Wattage Category	Brand Name	Model Name	Color Appearance	Type of Lamp	Claimed Lamp Specifications			
						Light Output, lumens	Wattage Rating, watts	Efficacy, lumens per watt	Average Life, hours
50	15W	A. OPTIMA	TA 2U 15W	Daylight	2U	900	15	60	6000
51		ARO	EUS-15W	Daylight	2U	900	15	60	6000
52		ARO	EUS-15W	Warm White	2U	900	15	60	6000
53		ENERGETIC	T3HS-15W	Cool Daylight	Spiral	860	15	57	8000
54		G.E.	FLE15HLX/827/T2	Warm White	Spiral	900	15	60	8000
55		G.E.	FLE15HLX/840/T2	Cool White	Spiral	900	15	60	8000
56		G.E.	FLE15HLX/865/T2	Daylight	Spiral	850	15	57	8000
57		G.E.	FLE-TBX	Daylight	3U	872	15	58	8000
58		LANDLITE	ELH-15W	Daylight	Spiral	900	15	60	6000
59		MEGAMAN	W1215/E27/WL	Warm White	2U	900	15	60	10000
60		OMNI	EL2U-15W-DL	Daylight	2U	930	15	62	6000
61		PHILIPS	Tornado-15W	Warm White	Spiral	1000	15	67	6000
62		PHILIPS	Tornado-15W	Daylight	Spiral	900	15	60	6000
63		QUSUN	L3U DL	Daylight	3U	900	15	60	6000
64		TUNGSRAM	FLT15HLX-SP	Daylight	Spiral	880	15	59	6000
65		TUNGSRAM	FLT15HLX-SP	Warm White	Spiral	950	15	63	6000
66	14W	LANDLITE	ELM-14W	Daylight	2U	780	14	56	6000
67		PHILIPS	Essential	Daylight	2U	760	14	54	6000
68		PHILIPS	Genie	Warm White	3U	800	14	57	6000
69		PHILIPS	Essential-Genie	Daylight	3U	760	14	54	6000
70		TUNGSRAM	FLT14WDBX/827	Warm White	3U	790	14	56	6000
71	13W	OMNI	EMM-13W-DL	Daylight	Spiral	730	13	56	8000
72		OMNI	EMM-13W-SPR	Daylight	Spiral	730	13	56	6000
73		OSRAM	13W/860-2UBL	Daylight	2U	700	13	54	6000
74		OSRAM	13W/865	Daylight	Twist	800	13	62	6000
75		OSRAM	13W/827	Daylight	Twist	850	13	65	6000
76		TOSHIBA	EFD13D/65-E3U	Daylight	3U-BL	850	13	65	6000
77	12W	G.E.	FLE12HLX/827/T2	Warm White	Spiral	700	12	58	8000
78		G.E.	FLE12TBX864E27	Daylight	3U-BL	650	12	54	6000
79		G.E.	FLE12TBX860E27	Daylight	3U-BL	700	12	58	6000
80		G.E.	FLE12TBX827E27	Warm White	3U-BL	700	12	58	6000
81		G.E.	FLE12HLX827	Warm White	Spiral	660	12	55	6000
82		G.E.	FLE12HLX865	Daylight	Spiral	700	12	58	6000
83		OPPLE	YPZ220/12-2S	Daylight	Spiral	650	12	54	8000
84	11W	A. OPTIMA	TA 2U 11W	Daylight	2U	605	11	55	6000
85		AKARI	AESL2U-11DL	Daylight	2U	605	11	55	6000
86		ARO	EUS-11W	Daylight	2U-BL	590	11	54	6000
87		ARO	EUS-11W	Warm White	2U	600	11	55	6000
88		DELTA	Brite Saver	Daylight	2U	620	11	56	6000
89		ENERGETIC	2U-T4-11W	Cool Daylight	2U	580	11	53	8000
90		GARTIM	EB-11AP	Daylight	2U	590	11	54	6000
91		G.E.	FLE11DBX	Daylight	2U	590	11	54	6000
92		G.E.	FLE-DBX	Daylight	2U	590	11	54	8000
93		G.E.	Economizer	Daylight	2U	590	11	54	6000
94		G.E.	ECN FLE	Daylight	2U	580	11	53	6000
95		G.E.	FLE-HLX 11W	Daylight	Spiral	590	11	54	6000
96		G.E.	FLE11DBX/827/T3	Warm White	2U	660	11	60	6000
97		G.E. Edison	FLE11DBXE27	Daylight	2U	590	11	54	6000
98		HQE	HL Ball-11W-Encap	Cool Daylight	Spiral	550	11	50	6000
99		NOVA	ESL-EUM 11W	Daylight	2U	630	11	57	6000
100		OMNI	ML3U-11W-DL	Daylight	3U	605	11	55	6000
101		PHILIPS	Essential	Warm White	2U	650	11	59	6000
102		PHILIPS	Essential	Daylight	2U	620	11	56	6000
103		PHILIPS	Genie	Daylight	3U	600	11	55	6000
104		PHILIPS	Genie	Warm White	3U	600	11	55	6000

Item No.	Wattage Category	Brand Name	Model Name	Color Appearance	Type of Lamp	Claimed Lamp Specifications			
						Light Output, lumens	Wattage Rating, watts	Efficacy, lumens per watt	Average Life, hours
105	11W	PHILIPS	Essential-11W	Warm White	2U	650	11	59	6000
106		PHILIPS	Essential-11W	Daylight	2U	620	11	56	6000
107		QUSUN	YPZ-QSL/L2U-11W	Daylight	2U	570	11	52	6000
108		QUSUN	YPZ-QSL/S3U-11W	Warm White	3U	650	11	59	6000
109		QUSUN	YPZ-QSL/S3U	Warm White	3U	650	11	59	6000
110		QUSUN	YPZ-QSL/S3U	Daylight	3U	573	11	52	6000
111		STARLUX	Mini3U-WW	Warm White	3U	605	11	55	6000
112		STARLUX	Mini3U-DL	Daylight	3U	605	11	55	6000
113		STARLUX	GLS11W-WW	Warm White	Encap	605	11	55	6000
114		TOSHIBA	EFD11D/65-E3U	Daylight	3U-BL	730	11	66	6000
115	9W	ARO	EUS-9W	Warm White	2U	500	9	56	6000
116		ARO	EUS-9W	Daylight	2U	500	9	56	6000
117		CETRIX	Brillant	Daylight	2U	470	9	52	6000
118		FIREFLY	J4U9W	Daylight	4U	495	9	55	6000
119		G.E.	FLE9HLX/865/T3	Daylight	Spiral	570	9	63	6000
120		G.E. Edison	FLE9DBXE27	Daylight	2U	480	9	53	6000
121		LANDLITE	ELT 3U-BL	Daylight	3U-BL	500	9	56	6000
122		NOVA	ESL-EUM 9W	Daylight	2U	485	9	54	6000
123		OMNI	EL2U-9W-DL	Daylight	2U	490	9	54	6000
124		QUSUN	YPZ-QSL/L2U	Daylight	L2U	490	9	54	6000
125		STARLUX	2UU-WW	Warm White	2U	504	9	56	6000
126		STARLUX	SUPER TWIST	Daylight	Spiral	468	9	52	6000
127		TOSHIBA	EFD9D/65-E3U	Daylight	3U-BL	565	9	63	6000
128		TUNGSRAM	FLT9HLX-SP	Daylight	Spiral	490	9	54	6000
129		TUNGSRAM	FLT9HLX-SP	Warm White	Spiral	512	9	57	6000
130	8W	A. OPTIMA	T42U8W	Daylight	2U	440	8	55	6000
131		G.E.	FLE8HLX/827/T2	Warm White	Spiral	430	8	54	8000
132		G.E.	FLE8HLX/865/T2	Daylight	Spiral	430	8	54	8000
133		G.E.	FLE8HLX865	Daylight	Spiral	460	8	58	6000
134		G.E.	FLE8DBX/827/T3	Warm White	2U	430	8	54	6000
135		G.E.	FLE8DBX/865/T3	Daylight	2U	390	8	49	6000
136		LANDLITE	ELM-8W-WW	Warm White	2U	440	8	55	6000
137		OPPLE	YPZ220/8-2S	Daylight	Spiral	420	8	53	8000
138		OSRAM	DULUXSTAR	Warm White	3U	400	8	50	6000
139		OSRAM	EL Economy	Daylight	2U	400	8	50	6000
140		PHILIPS	Ambiance	Warm White	Encap	400	8	50	6000
141		PHILIPS	Ambiance	Daylight	Encap	380	8	48	6000
142		PHILIPS	Genie 3UBL-E14	Daylight	3U	420	8	53	6000
143		PHILIPS	Genie 3UBL-E14	Warm White	3U	420	8	53	6000
144		PHILIPS	Genie E27	Warm White	3U	420	8	53	6000
145		PHILIPS	Genie	Daylight	3U	400	8	50	6000
146		PHILIPS	Essential	Daylight	2U	380	8	48	6000
147		STARLUX	Mini3U-WW	Warm White	Encap	400	8	50	6000
148		STARLUX	ESL	Daylight	mini 3U	400	8	50	6000
149	7W	AKARI	-	Daylight	2U	350	7	50	6000
150		CETRIX	Brillant	Daylight	2U	350	7	50	6000
151		GARTIM	EB-7AP-DL	Daylight	2U-BL	350	7	50	6000
152		NOVA	ESL-EUM 7W	Warm White	2U	390	7	56	6000
153		NOVA	ESL-EUM 7W	Daylight	2U	390	7	56	6000
154		OMNI	E14 2U-07W-WW	Warm White	2U	370	7	53	6000
155		OMNI	E14 2U-07W-DL	Daylight	2U	380	7	54	6000
156		TOSHIBA	EFD7D/65-E	Daylight	2U-BL	390	7	56	6000
157	6W	G.E.	FLE6DBX/865/E27	Daylight	2U-BL	245	6	46	6000

Item No.	Wattage Category	Brand Name	Model Name	Color Appearance	Type of Lamp	Claimed Lamp Specifications			
						Light Output, lumens	Wattage Rating, watts	Efficacy, lumens per watt	Average Life, hours
158	5W	ARMAFLEX	-	Daylight	2U	273	5	55	6000
159		ARO	EUS-5W	Warm White	2U-BL	250	5	50	6000
160		CETRIX	Brilliant	Daylight	2U	250	5	50	6000
161		ENERGETIC	T2FST-5W-FS	Cool Daylight	Spiral	260	5	52	8000
162		GARTIM	EB-5AP	Daylight	2U	250	5	50	6000
163		G.E.	FLE5DBX/827/T3	Warm White	2U	250	5	50	6000
164		G.E.	FLE5DBX/865/T3	Daylight	2U	240	5	48	6000
165		LANDLITE	ELM-2U-BL/5W	Warm White	2U	330	5	66	6000
166		OMNI	E14-2U-05W-DL	Daylight	2U	320	5	64	6000
167		OMNI	ML 2U-5W-WW	Warm White	2U	250	5	50	6000
168		OMNI	E14-2U-05W-WW	Warm White	2U	330	5	66	6000
169		OSRAM	5W/827-2UBL	Daylight	2U	240	5	48	6000
170		PHILIPS	Essential	Warm White	2U	275	5	55	6000
171		PHILIPS	Essential	Daylight	2U	260	5	52	6000
172		QUSUN	YPZ-QSL/QSX-5W	Daylight	Spiral	280	5	56	8000
173		QUSUN	YPZ-QSL/QSX-5W	Warm White	Spiral	280	5	56	8000
174		QUSUN	S2U DL	Daylight	2U	270	5	54	6000
175		STARLUX	ESL	Daylight	mini2U	250	5	50	6000
176		TUNGSRAM	FLT5WDBX	Daylight	2U	236	5	47	6000
177	3W	AKARI	AES 2U-3DL	Daylight	2U	195	3	65	6000
178		GARTIM	EB-3AP	Daylight	2U	140	3	47	6000