

根據強制性能源效益標籤計劃(強制性標籤計劃)進行的能源表現監察測試結果(緊湊型熒光燈) - 2014年
Results of Compliance Monitoring Tests on Energy Performance under Mandatory Energy Efficiency Labelling Scheme (MEELS)
(Compact Fluorescent Lamps) - Year 2014

(A) 在100小時老練期結束時測試出的功率消耗量及流明輸出量
 Measured Power Consumption and Lumen Output at the end of 100-hour period

項目 No.	品牌 Brand	型號 Model Name	獲機電工程署編 配參考編號 EMSD Assigned Reference Number	強制性標籤計劃 下的能源效益級 別 Energy Efficiency Grade under MEELS	額定功率消耗量 (額定瓦數)(瓦) Rated Power Consumption (Rated Wattage) (W)	額定流明輸出量 (流明) Rated Lumen Output (lm)	測試出的功率消 耗量(測試出的 瓦數)(瓦) 註A2 Measured Power Consumption (Measured Wattage) (W) Note A2	測試出的流明輸 出量(流明) 註A2 Measured Lumen Output (lm) Note A2	是否符合強制性標籤計劃的要 求? 註A1 Conformance with MEELS Requirements? Note A1		備註 Remark
									功率消耗量 (瓦) Power Consumption (Wattage)	流明輸出量 (流明) Lumen Output (lm)	
測試結果發放日期: 2014年12月 Test Results Release Date: December 2014											
1	飛利浦 PHILIPS	Essential 18W B22 Cool DayLight 8000 Hours	L091346	1	18	1100	17.81	1072	是 Yes	是 Yes	
2	能之寶 LIGHTPRO	LS220/5-SLW E27 6400K	L091432	3	5	210	4.92	285	是 Yes	是 Yes	
3	艾輝 ACTFAIR	FS(1) 23W 6400K E27	L110053	2	23	1311	19.31	1333	否 No	是 Yes	不符合要求項目-註A1, 參考編號已被刪除 註A3。 Non-compliance item-Note A1; reference number removed Note A3.
4	新而光 SUNeCON	S-51 11W E14 6500K	L110177	2	11	550	10.41	571	是 Yes	是 Yes	
5	新而光 SUNeCON	S20-8000H 20W E27 2700K	L110182	1	20	1100	18.47	1158	是 Yes	是 Yes	
6	OMNI	SP-23W-DL-B22	L120075	1	23	1400	22.07	1513	是 Yes	是 Yes	
7	星威 STARWISE	SFW-15WB	L120130	1	15	855	14.58	809	是 Yes	是 Yes	
8	星威 STARWISE	SFD-15WC	L120134	1	15	825	14.05	831	是 Yes	是 Yes	
測試結果發放日期: 2014年7月 Test Results Release Date: July 2014											
1	陽光 SUNSHINE	G25 25W B22 3000K	L090555	2	25	1375	23.24	1425	是 Yes	是 Yes	
2	飛利浦 PHILIPS	Genie 14W E27 Warm White 8000 Hours	L091424	1	14	840	13.09	773	是 Yes	是 Yes	
3	星威 STARWISE	SG15W-28A/E27	L091487	1	15	930	15.02	966	是 Yes	是 Yes	
4	雷士照明 NVC	FMS15/827/E27 220-240V 15W	L100226	1	15	870	13.95	995	是 Yes	是 Yes	
5	星威 STARWISE	SG20W-63B/B22	L100281	3	20	1100	17.20	1010	是 Yes	是 Yes	

6	星威 STARWISE	SG9W-23B/B22	L110024	3	9	365	8.77	393	是 Yes	是 Yes	
7	星威 STARWISE	SG9W-63A/E27	L110026	3	9	365	8.68	399	是 Yes	是 Yes	
8	優田 U Land	SRE-24 13W E14 2700K	L120054	1	13	780	11.63	743	是 Yes	是 Yes	
9	OMNI	SP-18W-DL-B22	L120071	1	18	1060	17.82	1077	是 Yes	是 Yes	

註: A1. 如緊湊型螢光燈表列型號的測試結果符合以下要求(產品能源標籤實務守則第9.11段),則該表列型號的流明輸出量和功率消耗量會被接受為符合規定:

- (a) 在 100 小時老練期結束時,所測試出的功率消耗量的平均值不少於額定功率消耗量的 85%,也不高於額定功率消耗量的 115%;
- (b) 在 100 小時老練期結束時,所測試出的流明輸出量的平均值不低於額定流明輸出量的 90%;及
- (c) 所測試出的能源效益級別符合以下其中一項:
 - (i) 在監察測試中所計算出的能源效益級別,相等於或較佳於指明人士向機電工程署呈交的測試結果所釐定的能源效益級別;或
 - (ii) 在監察測試中所計算出的電燈發光效率,不少於向機電工程署呈交的測試結果所計算出的電燈發光效率的85%或額定電燈發光效率的85%,兩者中以較低者來釐定(註:電燈發光效率為流明輸出量及功率消耗量的比率,是釐定產品能源效益級別的其中一項數據。如欲了解詳細的計算方法,可參閱產品能源標籤實務守則第 9.5 段。)

A2. 表列的數值經四捨五入方式顯示。

A3. 根據《能源效益(產品標籤)條例》(第598章)第17條,此產品型號的參考編號已從表列型號的紀錄冊上被刪除。因此,此產品型號不得在本港供應。

Note: A1. The lumen output and power consumption of a listed model of compact fluorescent lamp will be accepted as conformance if the test results meet the following criteria (clause 9.11 of the Code of Practice on Energy Labelling of Products):

- (a) The average of the tested power consumptions at the end of 100-hour ageing period being neither less than 85% nor greater than 115% of the rated power consumption;
- (b) The average of the tested lumen outputs at the end of 100-hour ageing period being not less than 90% of the rated lumen output; and
- (c) The tested energy efficiency grade meeting either one of the following:
 - (i) The energy efficiency grade calculated in the compliance monitoring testing being equal to or better than the energy efficiency grade determined by the test results submitted to EMSD by the specified person; OR
 - (ii) The tested lamp luminous efficacy calculated in the compliance monitoring testing being not less than 85% of the measured lamp luminous efficacy calculated by the test results submitted to EMSD or the rated lamp luminous efficacy, whichever is smaller. (Remark: Luminous efficacy is determined by computing the ratio of lumen output and power consumption, and is one of the parameters to determine the energy efficiency grade of a product. Please refer to clause 9.5 of the Code of Practice on Energy Labelling of Products for details of calculation method.)

A2. All values are rounded figures.

A3. Under section 17 of the Energy Efficiency (Labelling of Products) Ordinance Cap. 598, the reference number of the model has been removed from the record of listed models. As a result, this model is not allowed to be supplied in Hong Kong.

(B) 在2000小時結束時測試出的流明維持率

Measured Lumen Maintenance at the end of 2000-hour period

項目 No.	品牌 Brand	型號 Model Name	獲機電工程署編 配參考編號 EMSD Assigned Reference Number	額定流明維持率(%) Rated Lumen Maintenance (%)	測試出的流明維持率(%) ^{註B2} Measured Lumen Maintenance (%) <small>Note B2</small>	是否符合強制性標籤計劃的要求? ^{註B1} Conformance with MEELS Requirements? <small>Note B1</small>	備註 Remark
						流明維持率 Lumen Maintenance	

測試結果發放日期: 2014年12月

Test Results Release Date: December 2014

1	陽光 SUNSHINE	S-16A 8W E27 6400K	L090057	80	89.73	是 Yes	
2	歐司朗 OSRAM	DULUXSTAR MINI TWIST 5W/865 E27	L090532	80	85.8	是 Yes	
3	L&W	A96 12W E27 6400K	L090811	78	84.03	是 Yes	
4	日の宝	S-17 12W E14 2700K	L090849	80	90.43	是 Yes	
5	星威 STARWISE	SG15W-28A/E27	L091487	80	81.29	是 Yes	
6	歐司朗 OSRAM	DULUX SUPERSTAR 20W/865 E27	L091496	80	89.03	是 Yes	
7	歐司朗 OSRAM	DULUXSTAR COMPACT 8W/865 E27	L100272	80	89.17	是 Yes	
8	星威 STARWISE	SG20W-63B/B22	L100281	78	83.67	是 Yes	
9	GP	ESFSS11LD	L110018	80	81.64	是 Yes	
10	星威 STARWISE	SG9W-23B/B22	L110024	78	71.09	否 No	不符合要求項目-註B1，參考編號已被刪除 註B3。 Non-compliance item-Note B1; reference number removed Note B3.
11	星威 STARWISE	SG9W-63A/E27	L110026	78	72.2	否 No	不符合要求項目-註B1，參考編號已被刪除 註B3。 Non-compliance item-Note B1; reference number removed Note B3.
12	OMNI	BA-12W-WW-E27	L120004	80	90.61	是 Yes	
13	飛利浦 PHILIPS	Tornado T2 20W B22 Warm White 8000 Hours	L120095	80	88.37	是 Yes	
14	星威 STARWISE	SFW-10WC	L120133	80	82.72	是 Yes	

註: B1. 如緊湊型熒光燈表列型號的測試結果符合產品能源標籤實務守則第9.11段的要求，即在 2,000 小時結束時，所測試出的流明維持率的平均值不低於額定流明維持率，及如取得第一或第二級標籤，不少於80%，或如取得第三或第四級標籤，不少於78%，則該表列型號的流明維持率會被接受為符合規定。

B2. 表列的數值經四捨五入方式顯示。

B3. 根據《能源效益（產品標籤）條例》（第598章）第17條，此產品型號的參考編號已從表列型號的紀錄冊上被刪除。因此，此產品型號不得在本港供應。

Note: B1. The lumen maintenance of a listed model of compact fluorescent lamp will be accepted as conformance if the test results meet the following criteria as stipulated in clause 9.11 of the Code of Practice on Energy Labelling of Products, i.e. the average of the tested lumen maintenance at 2,000 hours being not less than the rated lumen maintenance, and being not less than 80% for a Grade 1 or 2 label or 78% for a Grade 3 or Grade 4 label.

B2. All values are rounded figures.

B3. Under section 17 of the Energy Efficiency (Labelling of Products) Ordinance Cap. 598, the reference number of the model has been removed from the record of listed models. As a result, this model is not allowed to be supplied in Hong Kong.

(C) 測試出的平均壽命
Measured Average Life

項目 No.	品牌 Brand	型號 Model Name	獲機電工程署編 配參考編號 EMSD Assigned Reference Number	額定平均壽命(小時) Rated Average Life (Hours)	測試出的平均壽命(小時) Measured Average Life (Hours)	是否符合強制性標籤計劃的要求? 註B1	備註 Remark
						Conformance with MEELS Requirements? <small>Note B1</small>	
測試結果發放日期: 2014年7月 Test Results Release Date: July 2014							
1	飛利浦 PHILIPS	Essential 14W B22 Cool DayLight 8000 Hours	L090917	8000	>8000	是 Yes	
2	明治店 MEIJITEN LIGHTING	Mini-SSW/9W-E14D	L100133	6000	2846 註/Note C3	否 No	不符合要求項目-註C1, 參考編號已被刪除 註C2。 Non-compliance item-Note C1; reference number removed Note C2.
3	月亮照明 PLT	FC319 9W E14 Warm White	L100411	8000	>8000	是 Yes	

註: C1. 如緊湊型螢光燈表列型號的測試結果符合產品能源標籤實務守則第9.11段的要求, 即所測試出的 50%燈失效時的壽命(平均壽命)不少於額定50%燈失效時的壽命(額定平均壽命), 及如取得第一或第二級標籤, 不少於8,000 小時, 或如取得第三或第四級標籤, 不少於6,000 小時, 則該表列型號的 50%燈失效時的壽命(平均壽命)會被接受為符合規定。

C2. 根據《能源效益(產品標籤)條例》(第598章)第17條, 此產品型號的參考編號已從表列型號的紀錄冊上被刪除。因此, 此產品型號不得在本港供應。

C3. 該型號在首次測試中部份項目未能符合要求後, 在進一步的測試中所得出的測試結果。

Note: C1. The tested life to 50% failures (average life) of a listed model of compact fluorescent lamp will be accepted as conformance if the test results meet the following criteria as stipulated in clause 9.11 of the Code of Practice on Energy Labelling of Products, i.e. the tested life to 50% failures (average life) being not less than the rated life to 50% failures (rated average life) and being not less than 8,000 hours for a Grade 1 or Grade 2 label or 6,000 hours for a Grade 3 or Grade 4 label.

C2. Under section 17 of the Energy Efficiency (Labelling of Products) Ordinance Cap. 598, the reference number of the model has been removed from the record of listed models. As a result, this model is not allowed to be supplied in Hong Kong.

C3. Results of further testing conducted after failure of the product to pass some of the items in the first test.