

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) - 2012年
Results of Compliance Monitoring Tests on Energy Performance under Mandatory Energy Efficiency Labelling Scheme (MEELS)
(Compact Fluorescent Lamps) - Year 2012

(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) Measured Power Consumption (Measured Wattage) (W) Note A2	測試出的流明輸 出量(流明) Measured Lumen Output (lm) Note A2	是否符合強制性標籤計劃的要 求? 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: 2012年12月 Test Results Release Date: December 2012											
1	新而光 SUNeCON	S-03D 15W E27 2700K	L090250	1	15	825	13.61	770	是 Yes	是 Yes	
2	喬森 QUSUN	YPZ-QSL/QLX-18W E27 6400K	L090780	1	18	1044	17.19	1023	是 Yes	是 Yes	
3	寶路 boro	BL-SS 15W 2700K B22	L091407	3	15	675	14.17	928	是 Yes	是 Yes	
4	PALLAS	PAS9D27 9W E27 DAYLIGHT	L100087	3	9	493	8.49	475	是 Yes	是 Yes	
5	月亮照明 PLT	FC319 9W E14 Warm White	L100411	2	9	420	8.18 註/Note A3	468 註/Note A3	是 Yes	是 Yes	
6	星威 STARWISE	SG20W-23B/B22	L110022	3	20	1200	19.66 註/Note A3	1167 註/Note A3	是 Yes	是 Yes	
7	艾輝 ACTFAIR	MS(1) 11W 2700K E14	L110034	3	11	539	9.85	561	是 Yes	是 Yes	
8	月亮照明 PLT	FC308B 23W E27 Daylight	L110057	1	23	1400	23.99 註/Note A3	1496 註/Note A3	是 Yes	是 Yes	
9	進三光業 JOSA	ELH-20W 20W 2700K E27	L110139	3	20	1000	18.05	1157	是 Yes	是 Yes	
測試結果發放日期: 2012年10月 Test Results Release Date: October 2012											
1	天基 T&J	YPZ220/15-2SE2ARD01	L090678	3	15	705	14.35	902	是 Yes	是 Yes	
2	飛利浦 PHILIPS	Essential 14W B22 Cool DayLight 8000 Hours	L090917	1	14	820	13.29	826	是 Yes	是 Yes	
3	東芝 TOSHIBA	EF514L/27-B22	L091019	3	14	865	14.32	920	是 Yes	是 Yes	
4	樂信牌 Rasonic	RCF-B12HSE27D	L100190	2	12	624	10.67	622	是 Yes	是 Yes	
5	樂信牌 Rasonic	RCF-B25HSE27W	L100193	2	25	1375	22.46	1361	是 Yes	是 Yes	

6	陽光 SUNSHINE	S-17 12W E27 2700K	L100200	2	12	648	10.94	649	是 Yes	是 Yes	
7	首選牌 FIRST CHOICE	GP-PM-005067	L100407	1	20	1120	18.01	1066	是 Yes	是 Yes	
8	宜家 IKEA	ES0807G11 E14	L110067	2	11	550	10.10	663	是 Yes	是 Yes	
9	GELEC	ELH-9W 9W 6500K E14	L110134	3	9	405	8.95	480	是 Yes	是 Yes	
測試結果發放日期: 2012年8月											
Test Results Release Date: August 2012											
1	陽光 SUNSHINE	S-24A 20W E14 6400K	L090047	1	20	1180	18.13	1175	是 Yes	是 Yes	
2	雷士照明 NVC	FHS08/827/E27 220-240V 8W	L100221	1	8	440	8.50	581	是 Yes	是 Yes	

註: A1. 如緊湊型熒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. 該型號在首次測試未能符合要求後, 在進一步的測試中所得出的測試結果。

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. Results of further testing conducted after failure of the product to pass the first test.

(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(%) ^{B2} Measured Lumen Maintenance (%) ^{Note B2}	是否符合強制性標籤計劃的要 求? ^{B1} Conformance with MEELS Requirements? ^{Note B1}	備註 Remark
						流明維持率 Lumen Maintenance	
測試結果發放日期: 2012年10月 Test Results Release Date: October 2012							
1	陽光 SUNSHINE	S-17 12W E27 2700K	L100200	80	82.4	是 Yes	
2	宜家 IKEA	ES0807G11 E14	L110067	80	83.1	是 Yes	
3	GELEC	ELH-9W 9W 6500K E14	L110134	80	80	是 Yes	
測試結果發放日期: 2012年8月 Test Results Release Date: August 2012							
1	陽光 SUNSHINE	S-24A 20W E14 6400K	L090047	80	92.17	是 Yes	
2	雷士照明 NVC	FHS08/827/E27 220-240V 8W	L100221	80	89.77	是 Yes	

註: B1. 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。

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.

(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C1 Conformance with MEELS Requirements? Note C1	備註 Remark
						50% 燈失效時的壽命 Life to 50% Failures	
測試結果發放日期: 2012年10月 Test Results Release Date: October 2012							
1	L&W	A92 8W E27 2700K	L090802	6000	>6000 註Note C2	是 Yes	
測試結果發放日期: 2012年8月 Test Results Release Date: August 2012							
1	飛利浦 PHILIPS	Tornado 15W E27 Cool Daylight 8000 Hours	L100340	8000	>8000	是 Yes	
2	飛利浦 PHILIPS	Tornado 24W E27 Cool Daylight 8000 Hours	L100341	8000	>8000	是 Yes	
測試結果發放日期: 2012年4月 Test Results Release Date: April 2012							
1	陽光 SUNSHINE	S-24A 23W E27 2700K	L090040	8000	>8000	是 Yes	
2	新而光 SUNeCON	S-29 11W E27 3000K	L090663	6000	>6000 註Note C2	是 Yes	
3	歐萊斯 OLITS	2S-11W 2700K E27	L091359	8000	>8000	是 Yes	
測試結果發放日期: 2012年1月 Test Results Release Date: January 2012							
1	曼佳美 MEGAMAN	GA609-E27-2700K	L090351	10000	>10000	是 Yes	
2	陽光 SUNSHINE	S-03D 15W B22 6400K	L090591	8000	>8000	是 Yes	
3	明治店 MEUITEN LIGHTING	EFL-S/13W-E14D	L091097	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. 該型號在首次測試未能符合要求後, 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. Results of further testing conducted after failure of the product to pass the first test.