

**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) - 2017年**  
**Results of Compliance Monitoring Tests on Energy Performance under Mandatory Energy Efficiency Labelling Scheme (MEELS)**  
**(Compact Fluorescent Lamps) - Year 2017**

**(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: 2017年6月 Test Results Release Date: June 2017											
1	陽光 SUNSHINE	S-16A 12W E14 6400K	L090055	1	12	684	11.10	678	是 Yes	是 Yes	
2	GE	FLE12HLX/865/E14/T2 Edison	L090090	3	12	660	11.65	762	是 Yes	是 Yes	
3	曼佳美 MEGAMAN	W1505/E27/6500K	L090102	3	5	220	5.09	264	是 Yes	是 Yes	
4	陽光 SUNSHINE	G15 15W B22 6400K	L090563	3	15	675	14.01	700	是 Yes	是 Yes	
5	飛利浦 PHILIPS	Ambiance Globe 14W B22 Cool DayLight	L090594	3	14	740	14.15	769	是 Yes	是 Yes	
6	歐司朗 OSRAM	DULUXSTAR 16W/865 E27	L090608	3	16	850	15.82	936	是 Yes	是 Yes	
7	飛利浦 PHILIPS	Ambiance Globe 18W B22 Cool DayLight	L090758	3	18	980	17.14	1021	是 Yes	是 Yes	
8	歐司朗 OSRAM	Dulux Superstar 16W/865 E27	L091494	2	16	850	15.09	874	是 Yes	是 Yes	
9	佛山照明 FSL	SMFS-R-13W-B22	L130039	1	13	720	11.07	704	是 Yes	是 Yes	
10	飛利浦 PHILIPS	Genie 14W E27 Warm White 8000 Hours	L150046	1	14	840	13.05	866	是 Yes	是 Yes	
11	飛利浦 PHILIPS	Ambiance Globe 18W E27 Cool DayLight	L150061	3	18	980	16.95	1038	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2014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2014第 9.5 段。)

A2. 表列的數值經四捨五入方式顯示。

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 2014):

- (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.

**(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(%) Measured Lumen Maintenance (%) <small>Note B2</small>	是否符合強制性標籤計劃的要求? <small>註B1</small>	備註 Remark
						Conformance with MEELS Requirements? <small>Note B1</small>	
流明維持率 Lumen Maintenance							
測試結果發放日期: 2017年6月 Test Results Release Date: June 2017							
1	陽光 SUNSHINE	S-16A 12W E14 6400K	L090055	80	88.83	是 Yes	
2	GE	FLE12HLX/865/E14/T2 Edison	L090090	80	90.80	是 Yes	
3	曼佳美 MEGAMAN	W1505/E27/6500K	L090102	80	91.67	是 Yes	
4	陽光 SUNSHINE	G15 15W B22 6400K	L090563	80	85.24	是 Yes	
5	飛利浦 PHILIPS	Ambiance Globe 14W B22 Cool DayLight	L090594	80	83.52	是 Yes	
6	歐司朗 OSRAM	DULUXSTAR 16W/865 E27	L090608	80	87.07	是 Yes	
7	飛利浦 PHILIPS	Ambiance Globe 18W B22 Cool DayLight	L090758	80	85.49	是 Yes	
8	歐司朗 OSRAM	Dulux Superstar 16W/865 E27	L091494	80	84.22	是 Yes	
9	佛山照明 FSL	SMFS-R-13W-B22	L130039	80	84.35	是 Yes	
10	飛利浦 PHILIPS	Genie 14W E27 Warm White 8000 Hours	L150046	80	88.21	是 Yes	
11	飛利浦 PHILIPS	Ambiance Globe 18W E27 Cool DayLight	L150061	80	85.21	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2014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 2014, 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.