Measurement of Australian Energy Market Operator for Luminaire

Prepared For

SCHREDER AUSTRALIA PTY LTD
4A/21-23 SOUTH STREET RYDALMERE NSW 2116

Model: XS99Z001L235

Report Type:	IPART Lighting Requirements Guide – Commercial Lighting V2.2 Lighting Requirements Guide – Home Energy Efficiency Retrofits V1.4 VEET - Version 2.0 –31 January 2023 (Reference: C/18//24088) Unmetered Load Guideline Determination Of Device Load And Annual Energy Consumption For Type 7 Unmetered Devices
Reviewed By:	Ezer Pan Ezer Pan
Report Number:	DG3231215-75879E-EE
Test Date:	2024-03-20
Report Date:	2024-03-28
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1. General Information#

Information of Final Products:

Ten test samples were in good condition and received on 2023-12-15, and used for testing.

Model Number:	XS99Z001L235
Model Name:	Sylflood LED
Brand Name:	Sylvania-Schreder
Manufacturer:	SCHREDER AUSTRALIA PTY LTD
Rated Voltage:	240V 50Hz
Test Voltage:	250V 50Hz
Rated Power:	235W
Driver Output Current	4.8A
Driver Brand:	INVENTRONICS
Driver Model:	EUM-240S670BG

2. Test Equipment

Device	Manufacture	Model No	Serial No	Calibration date	Calibration due date
1.5m temperature integrating sphere	SENSING	SPR-600	S09008	2023-09-02	2024-09-01
High-precision rapid spectral analysis system	EVERFINE	HAAS-2000	M112048CA1 361125	2023-09-02	2024-09-01
Digital power meter	YOKOGAWA	WT310	13398	2023-10-13	2024-10-12
Programmable Precision DC Power Supply	EVERFINE	WY5015	11060010	2023-09-02	2024-09-01
thermometer	SENSING	N/A	N/A	2023-10-13	2024-10-12
Standard Light Source	EVERFINE	D204	N/A	2023-05-12	2025-05-11
Precision frequency power supply	ALL Power	APW-105N	970613	2023-09-02	2024-09-01

3. Test Standard

- IES LM-79-08 Electrical and Photometric Measurements of Solid-State Lighting Products
- IEC 62301:2011 Household electrical appliances – Measurement of standby power

4. Test Method

- Set up the test circuit according to the test circuit diagram below;
- Adjust the AC source to 250V/50Hz and operated for at least 30 minutes;

5. Test Circuit Diagram

6. Test Ambient

25.0℃, 50%RH

For model XS99Z001L235 , the lamp output were allowed to be stable conditions before measurements were taken.

7. Test Data

Sample No.	Base Orientation	Voltage (V)	Frequency (Hz)	Current (A)	Lamp Power (W)	Power Factor	Luminous Flux(lm)	Efficacy (lm/ W)	CCT(K)	R_a	Standby Power(W)
DG3231215-75879E-S01	Downward	250	50	0.9771	236.9	0.9695	33623	141.95	4028	73.7	N/A
DG3231215-75879E-S02	Downward	250	50	0.9765	236.6	0.9691	33440	141.33	4024	73.7	N/A
DG3231215-75879E-S03	Downward	250	50	0.9759	236.6	0.9694	33277	140.68	4026	73.7	N/A
DG3231215-75879E-S04	Downward	250	50	0.9751	236.5	0.9699	33478	141.58	4038	73.8	N/A
DG3231215-75879E-S05	Downward	250	50	0.9757	236.5	0.9695	33609	142.11	4048	73.9	N/A
DG3231215-75879E-S06	Downward	250	50	0.9754	236.2	0.9687	33593	142.21	4044	73.8	N/A
DG3231215-75879E-S07	Downward	250	50	0.9753	236.4	0.9694	33455	141.52	4038	73.8	N/A
DG3231215-75879E-S08	Downward	250	50	0.9756	236.5	0.9697	33227	140.47	4046	73.8	N/A
DG3231215-75879E-S09	Downward	250	50	0.9750	236.3	0.9694	33093	140.04	4038	73.7	N/A
DG3231215-75879E-S10	Downward	250	50	0.9747	236.2	0.9691	33229	140.71	4044	73.8	N/A
Average		250	50	0.9756	236.5	0.9694	33402	141.26	4037	73.8	N/A

8. Final Product Photo

Directions

1. The information marked "superscript #" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K=2 with the 95% confidence interval.
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