Test Report

Report No.: GZEE230800305731
Date: 2023-08-17

The following sample(s) was/were submitted and identified on behalf of the client as:

Applicant:	Schréder Australia Pty. Ltd. Bldg 4A Parklands Estate, 21-23 South Street, Rydalmere, NSW 2116, Australia
Manufacturer:	Same as Applicant
Factory:	Schreder (China) Lighting Industrial Co., Ltd. 2#XINYE Street 40, TEDA WEST Tianjin, 300462 China
Testing location/address:	SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch 198 Kezhu Road, Science City, Economic & Technology Development Area, Guangzhou, Guangdong, China
Test request:	Load (wattage) test
Test or reference Standard:	AEMO Unmetered Load Guideline v2.0* Determination Of Device Load And Annual Energy Consumption For Type 7 Unmetered Devices SA/SNZ TS 1158.6: 2015 IES LM-79-08
Test item description:	LED street lighting
Trade Mark/Brand:	**Schréder**
Model/Type reference:	AV299K12L225
Ratings:	220-240V, 50-60Hz, 225W
Test result:	See page 4
Remark:	Throughout this report a point is used as the decimal separator. *For reference only and not in GZ Safety NVLAP scope

Alex Tan
Reviewer
E&E Safety Laboratory

Venice Liu
Project Engineer

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Testing.....:	
Date of receipt of test item .....:	2023-08-10
Date (s) of performance of tests.....:	2023-08-10 to 2023-08-16

General product information:

This LED street light can emit white light and get stabilized when turned on at its rated voltage.

Part No.	General Product information
AV299K12L225	AVENTO 2 225W luminaire is equipped with a standard 7-pin Nema receptacle and Zhaga socket

1. TEST CONDITIONS

Before measurements are taken, there is no seasoning for the LED street lights.

The ambient temperature during measurements was 25°C±1.2°C. The relative humidity during measurements was 10% to 65%. The airflow during measurements was lower than 0.2 m/s.

LED street lights were supplied by the power source PCR500M. The test voltage shall be stable whitin ±0.5%.

The current, wattage and power factor were measured by Yokogawa digital power analyzer WT310.
The test measurement accuracy for current, wattage and power factor are ±0.15%.

10 samples LED street lights were measured, and the test input was 250 V, 50 Hz.

The LED street lights were measured after a continuous 2-hour period of operation and reaching the stabilization in accordance with IES LM-79-08 before input voltage, current, power factor and load (watts) measurements are taken.

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2. RESULTS OF TESTS

Sample No.	Test voltage (V)	Current (A)	Power Factor (PF)	Wattage (W)
1	250.00	0.918	0.971	222.90
2	250.00	0.930	0.972	226.00
3	250.00	0.937	0.975	228.50
4	250.00	0.934	0.970	226.40
5	250.00	0.935	0.970	226.80
6	250.00	0.932	0.973	226.60
7	250.00	0.928	0.971	225.30
8	250.00	0.921	0.972	223.90
9	250.00	0.923	0.973	224.40
10	250.00	0.928	0.970	225.10
Min.	250.00	0.918	0.970	222.90
Max.	250.00	0.937	0.975	228.50
Ave.	250.00	0.929	0.972	225.59

3. Uncertainty of the measurement

$U_{Wattage}$ (k =2): ± 0.17 %
$U_{current}$ (k =2): ± 0.2834 %
U_{PF} (k =2): ± 0.002

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Annex 2: Photo documentation

Details of: View for product

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

☐ internal

- - - END OF REPORT - - -

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