Test Report

Report No.: GZEE230800305431
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:	AV2S99K12L48
Ratings:	220-240V, 50-60Hz, 48W
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
AV2S99K12L48	AVENTO 2S 48W 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	0.214	0.913	48.90
2	250.00	0.212	0.918	48.64
3	250.00	0.213	0.919	48.98
4	250.00	0.214	0.915	48.89
5	250.00	0.212	0.912	48.36
6	250.00	0.212	0.915	48.51
7	250.00	0.213	0.917	48.88
8	250.00	0.214	0.917	49.10
9	250.00	0.213	0.913	48.59
10	250.00	0.212	0.919	48.62
Min.	250.00	0.212	0.912	48.36
Max.	250.00	0.214	0.919	49.10
Ave.	250.00	0.213	0.916	48.75

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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