Test Report

Report No.: GZEE230800305631
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:	AV199K12L149
Ratings:	220-240V, 50-60Hz, 149W
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
AV199K12L149	AVENTO 1 149W 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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RESULTS OF TESTS

Sample No.	Test voltage (V)	Current (A)	Power Factor (PF)	Wattage (W)
1	250.00	0.603	0.979	147.60
2	250.00	0.608	0.981	149.10
3	250.00	0.608	0.978	148.70
4	250.00	0.606	0.979	148.30
5	250.00	0.606	0.978	148.00
6	250.00	0.606	0.978	148.10
7	250.00	0.604	0.981	148.20
8	250.00	0.607	0.981	148.80
9	250.00	0.607	0.978	148.40
10	250.00	0.606	0.978	148.20
Min.	250.00	0.603	0.978	147.60
Max.	250.00	0.608	0.981	149.10
Ave.	250.00	0.606	0.979	148.34

2. 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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