

TEST REPORT

The following tested product(s) were submitted and identified by the vendor as:

Applicant : Orangetek International Pty. Ltd.
Address of Applicant : 46 Stanley Street, Peakhurst, NSW 2210, Australia
Testing Laboratory : SGS Taiwan Ltd., Optics Laboratory
Laboratory Address : 33, Wu Chyuan Road, New Taipei Industrial Park, Wu Ku District, New Taipei City 24886, Taiwan
Product Name : ARIALD 40 LED STREETLIGHT
Model / Serial Number : ARIALD 40 LED STREETLIGHT (350mA)
Manufacturer : Orangetek Limited Taiwan Branch
Rating : AC (120 / 230 / 277) V (50 / 60) Hz, 45 W
Tested Condition : AC 240 V 50 Hz
Test Standard/Method : Clause 8 & Clause 9 of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements
Date of Issue : Jul. 07, 2016

- ◆ The test results are solely accountable for the testing samples.
- ◆ All reported contents shall not be used for advertising, publication, marketing strategies and legal proceedings.
- ◆ Excerpts taken from the report will not be valid unless otherwise stated in the laboratory agreement.

Test Results : -PLEASE SEE ATTACHED SHEETS-

Signed for and on behalf of
SGS TAIWAN Ltd.



Willie Yu
Sr. Engineer

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1 DATE OF RECEIPT OF SAMPLES

Jun. 27, 2016

2 DATE(S) OF PERFORMANCE OF THE TEST

Jun. 27, 2016 ~ Jul. 06, 2016

3 IDENTITY OF SAMPLES

Quantity	Model	Serial Number
10	ARIALED 40 LED STREETLIGHT (350mA)	# 1 - # 10

4 TEST ITEMS

4.1 Total circuit power

The test results were implemented referring to Clause 8 Total circuit power of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements.

4.2 Circuit power factor

The test results were implemented referring to Clause 9 Circuit power factor of IEC 62384 DC or AC supplied electronic control gear for LED modules – Performance requirements.

5 TEST CONDITIONS

Main Test Equipment:

Name	Brand	Model	S/N	Calibration Due Date
Digital Power Meter / AC Source	YOKOGAWA / apc	WT-210 / AFC-500W	91J837766 / F313030397	2017/2/23

Environmental Conditions:

Ambient temperature: (20 to 27) °C

Relative humidity: (60 ± 20) %RH

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DUT Conditions:

Power input:	<u>AC 240 V 50 Hz</u>
Dimension:	<u>L 502 mm x W 304 mm x H 119 mm</u>
Warm-up time:	<u>> 120 minutes</u>
Stabilization time:	<u>30 minutes</u>
Control Gear:	<u>PHILIPS / XITANIUM 75W 0.7A Prog+ GL-Z sXt / 1 pc</u>
Control Gear Spec:	<u>I/P: AC (120 / 230 / 277) V (0.72 / 0.37 / 0.31) A, (50 / 60) Hz</u> <u>O/P: DC (0.1 to 0.7) A, (54 to 107) V</u>

LED Module Conditions:

Model Number:	<u>20 LED PCB with 20 LEDs x 2 pcs</u>
Input condition:	<u>DC 350 mA, 45 W</u>
Dimension:	<u>L 235 mm x W 49 mm x 2 pcs</u>

6 TEST RESULTS

S/N	Input Voltage (Vac)	Input Current (A)	Total circuit power (W) (Lamp Circuit Power)	Circuit power factor	Note
# 1	240.00	0.1985	44.84	0.9413	Stabilization
# 2	240.01	0.2000	45.09	0.9396	Stabilization
# 3	240.01	0.2004	45.30	0.9417	Stabilization
# 4	240.00	0.1994	45.01	0.9405	Stabilization
# 5	240.04	0.2008	45.28	0.9396	Stabilization
# 6	240.03	0.2014	45.50	0.9412	Stabilization
# 7	240.03	0.1986	44.79	0.9398	Stabilization
# 8	240.02	0.1986	44.79	0.9398	Stabilization
# 9	240.03	0.2011	45.44	0.9414	Stabilization
# 10	240.03	0.2002	45.18	0.9402	Stabilization
Avg.	240.02	0.1999	45.12	0.9405	--

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7 PHOTO



Front View



Back View

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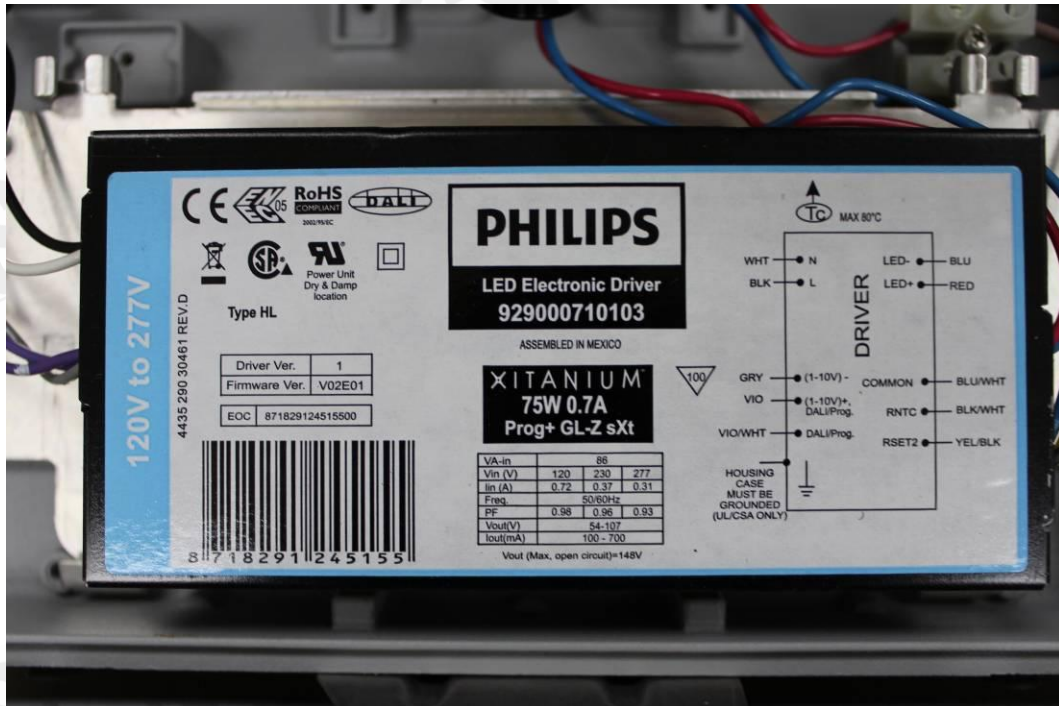
DUT



LED module

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Control Gear
- End of Report -

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