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Technical Report No. 611401908301

Rev. 00

Dated 2019-07-03

Client: Orangetek International Pty Ltd
46 Stanley Street, Peakhurst, NSW 2210, Australia

Test subject: Product: IGNIS MINI LED Street Light
Type: IGNIS MINI 020 LED 28W

Test specification:

1. Test item:
 - Clause 8 of IEC 62384 (Edition 1.1): Total circuit power
 - Clause 9 of IEC 62384 (Edition 1.1): Circuit power factor
2. Test conditions:
 - (1) Power input: 240 Vac, 50 Hz
 - (2) Warm-up time: > 120 minutes
 - (3) Stabilization time: 30 minutes
 - (4) Control gear: PHILIPS / Xi SR 40W 0.2-0.7A SNEMP 230V C133 sXt
 - (5) Control gear spec.: I/P: 220-240 Vac, 50/60 Hz, 49 W, PF:0.95
O/P: 25-77 Vdc, 200-700 mA, 40 W
 - (6) Dimension of product: 529 mm (L) x 147 mm (W) x 120 mm (H)

Purpose of examination:

- Test according to the test specification

Test result: The test results show that the presented product is in compliance with the specified requirements.

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1 Description of the test subject

1.1 Function

LED street light.

1.2 Consideration of the foreseeable misuse

- ☒ Not applicable
- ☐ Covered through the applied test specification
- ☐ Covered by the following comment
- ☐ Covered by attached risk analysis

1.3 Technical Data

Model	: IGNIS MINI 020 LED 28W
Rated Voltage	: 220-240 Vac
Rated Frequency	: 50/60 Hz
Rated Power	: 28 W
Protection Class	: Class I
Nominal dimension	: 529 mm (L) x 147 mm (W) x 120 mm (H)
Sample size	: 10 pcs

2 Order

2.1 Date of Purchase Order, Customer's Reference

2019-06-10

2.2 Receipt of Test Sample, Location

2019-06-21, TÜV SÜD Asia Ltd. Taiwan Branch

2.3 Date of Testing

2019-06-24 to 2019-06-28



2.4 Location of Testing

TÜV SÜD Asia Ltd. Taiwan Branch
7F., No. 37, Sec. 2, Zhongyang S., Rd., Beitou District, Taipei City, 11270, Taiwan

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None

3 Test Results

See appended table of test results.

4 Remark

4.1 Remarks to Factory

Not applicable.

5. Documentation

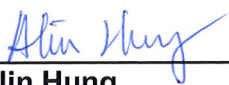
- Photo – see Appendix.

6. Summary


The test specification is met.

TÜV SÜD Asia Ltd. Taiwan Branch
TÜV SÜD Group

Engineer:


Alin Hung
Project Engineer

Technical Report checked:


Alan Yuan
Designated Reviewer

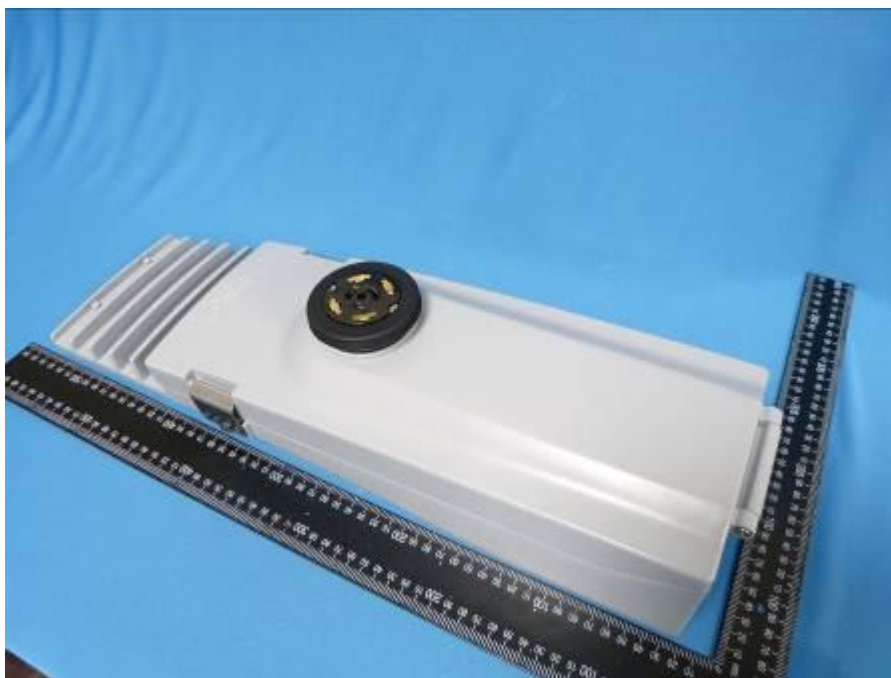


Appended Table – Test Results

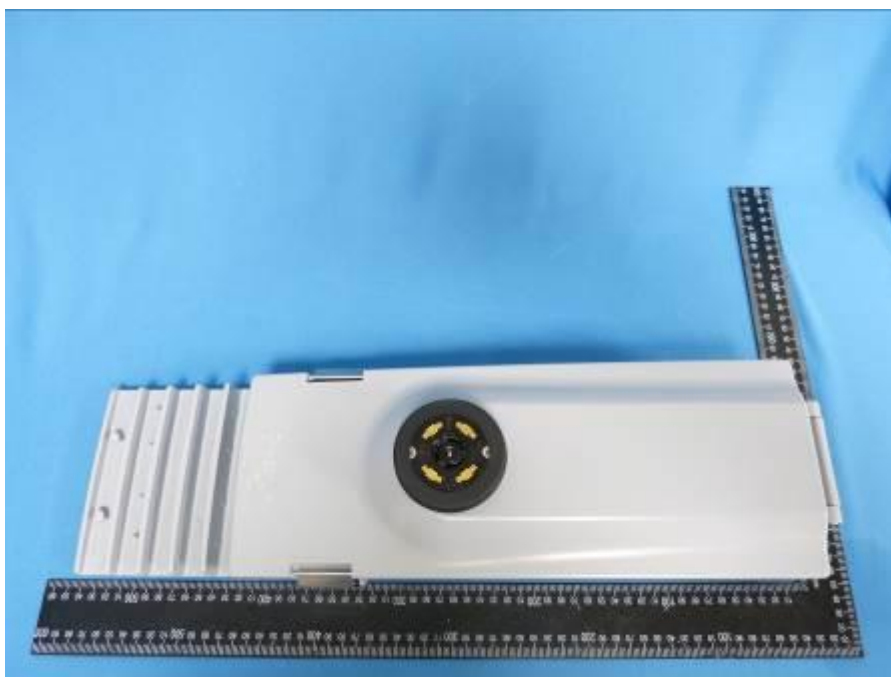
Sample #	Input voltage (Vac)	Input current (A)	Total circuit power (W)	Power factor	Remark
1	240.00	0.124	27.922	0.940	stabilization
2	240.01	0.126	28.183	0.933	stabilization
3	240.02	0.124	28.002	0.938	stabilization
4	240.02	0.124	27.980	0.936	stabilization
5	240.02	0.124	28.072	0.940	stabilization
6	240.01	0.124	28.068	0.940	stabilization
7	240.01	0.125	28.225	0.938	stabilization
8	240.01	0.124	28.042	0.939	stabilization
9	240.02	0.125	28.127	0.933	stabilization
10	240.02	0.125	28.100	0.939	stabilization
Avg.	240.01	0.125	28.072	0.938	--

Appendix – Photo

Tested Model



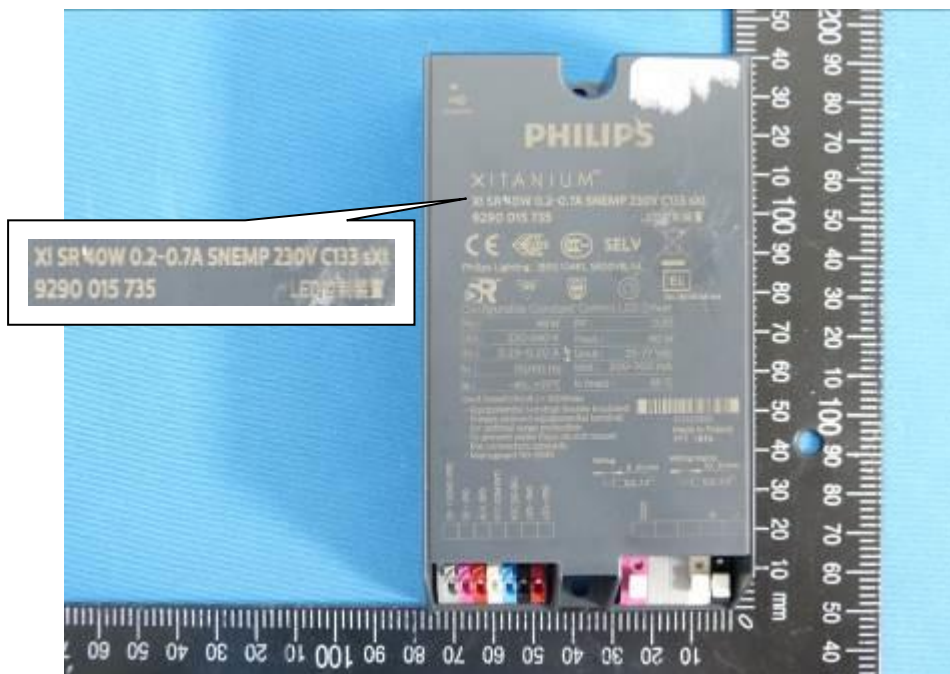
Tested Model



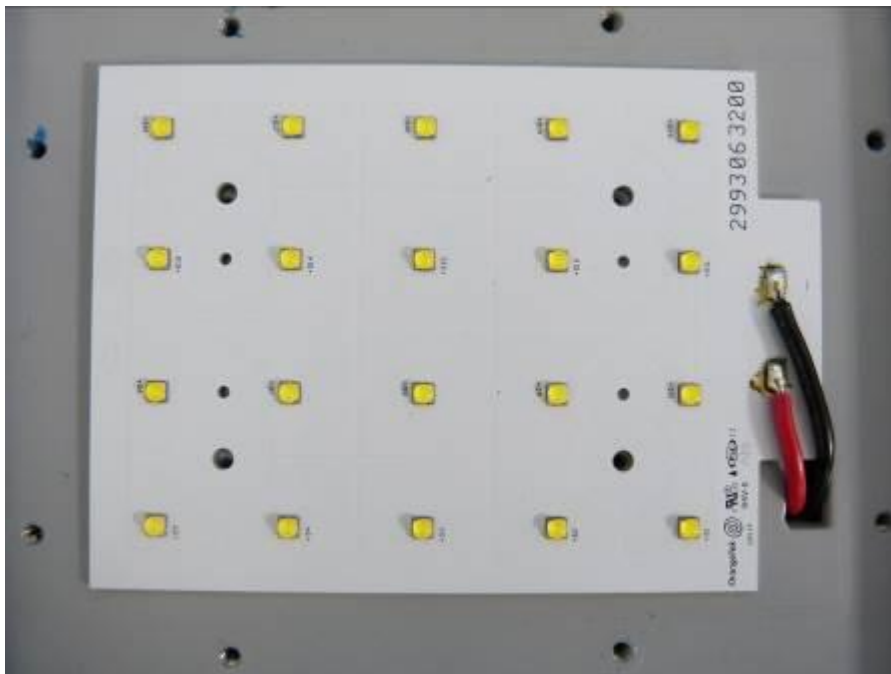
Tested Model



Tested Model



Tested Model



Set-up of test

