

Prüfbericht-Nr.: <i>Test Report No.:</i>	11050589 001	Auftrags-Nr.: <i>Order No.:</i>	114066173	Seite 1 von 1 Page 1 of 1
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	12098719	Auftragsdatum: <i>Order date:</i>	10.07.2017	
Auftraggeber: <i>Client:</i>	OrangeTek Limited Coach House, Blakenhall Park, Bar Lane, Barton under Needwood, Burton upon Trent DE13 8AJ, United Kingdom			
Prüfgegenstand: <i>Test item:</i>	LED Street Light			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	IGNIS mini 24.5W			
Auftrags-Inhalt: <i>Order content:</i>	TÜV Rheinland - Test report			
Prüfgrundlage: <i>Test specification:</i>	Electrical Parameter measurement			
Wareneingangsdatum: <i>Date of receipt:</i>	27.06.2017	See photos attached in report.		
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000573007			
Prüfzeitraum: <i>Testing period:</i>	27.06.2017 – 29.06.2017			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland Taiwan Ltd., Taichung Laboratory			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland Taiwan Ltd., Taichung Laboratory			
Prüfergebnis*: <i>Test result*:</i>	Siehe Sonstiges / See Other			
geprüft von / tested by:		kontrolliert von / reviewed by:		
10. Jul., 2017	Ryan C.M. Hsieh / Engineer	11. Jul., 2017	Julia Lai / Technical Certifier	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
Sonstiges / Other: Details see next pages. This test report consists of 5 pages for test results of input power, input current, power factor and VA.				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
<p>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</p> <p>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>				
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				



TEST DATA

LED Street Light – Electrical Parameter Measurement

Report Number.: 11050589 001

Order Number.: 114066173

Date of issue: See cover page


Total number of pages: 5 pages

**Name of Testing Laboratory
preparing the Report**.....: TÜV Rheinland Taiwan Ltd., Taichung Laboratory

Applicant's name.....: OrangeTek Limited

Address: Coach House, Blakenhall Park, Bar Lane, Barton under Needwood,
Burton upon Trent DE13 8AJ, United Kingdom

Test item description: LED Street Light

Trade Mark: **OrangeTek** 

Manufacturer.....: OrangeTek Limited Taiwan Branch
Rm. B1, 18F., No.51, Sec. 2, Gongyi Rd., Nantun Dist., Taichung
City 408, Taiwan

Model/Type reference: IGNIS mini 24.5W

Testing.....: **Input power, input current, power factor and VA**

Date of receipt of test item.....: 27.06.2017

Date (s) of performance of tests....: 27.06.2017

Summary of testing:

1. This project is for LED Street Light Electrical Parameter Measurement for input power, input current and power factor under 100% light output with original setting by manufacturer.

2. Tests are conducted at ambient temperature 25°C, humidity 55%RH

3. Five samples are tested and each sample is tested under input voltage AC 210V/50Hz, AC 220V/50Hz, AC 230V/50Hz, AC 240V/50Hz and AC 250V/50Hz.

All above conditions are requested by client.

General remark:

This test report is valid for received test samples only and shall not be reproduced in part without approval of testing laboratory.

Sample 1 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	23.8	0.096	0.985
220	50	23.8	0.095	0.982
230	50	23.8	0.092	0.980
240	50	23.7	0.098	0.975
250	50	23.7	0.099	0.972

Sample 2 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	23.5	0.095	0.984
220	50	23.5	0.093	0.981
230	50	23.5	0.089	0.979
240	50	23.4	0.088	0.977
250	50	23.4	0.099	0.969

Sample 3 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	23.7	0.096	0.985
220	50	23.7	0.093	0.982
230	50	23.6	0.089	0.981
240	50	23.6	0.094	0.979
250	50	23.6	0.100	0.971

Sample 4 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	23.7	0.096	0.985
220	50	23.7	0.094	0.982
230	50	23.6	0.089	0.981
240	50	23.6	0.086	0.977
250	50	23.6	0.101	0.970

Sample 5 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	23.8	0.096	0.984
220	50	23.7	0.094	0.982
230	50	23.7	0.089	0.980
240	50	23.7	0.086	0.978
250	50	23.7	0.101	0.970

Measured wattage at 100% light output

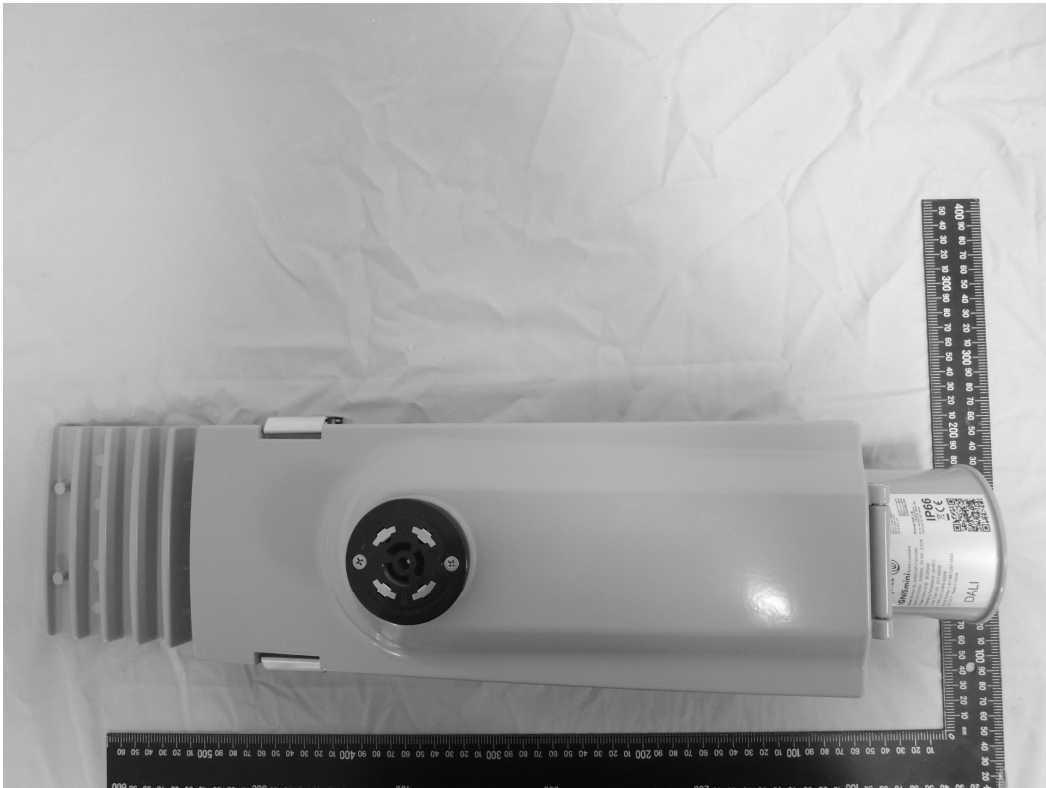
Voltage(V)/Sample	1 (W)	2 (W)	3 (W)	4 (W)	5 (W)
210	23.8	23.5	23.7	23.7	23.8
220	23.8	23.5	23.7	23.7	23.7
230	23.8	23.5	23.6	23.6	23.7
240	23.7	23.4	23.6	23.6	23.7
250	23.7	23.4	23.6	23.6	23.7

Measured VA at 100% light output

Voltage(V)/Sample	1 (VA)	2 (VA)	3 (VA)	4 (VA)	5 (VA)
210	24.2	23.9	24.1	24.1	24.2
220	24.2	24.0	24.1	24.1	24.2
230	24.2	24.0	24.1	24.1	24.2
240	24.3	24.0	24.1	24.2	24.2
250	24.4	24.2	24.3	24.3	24.4

Notes: Tests were conducted after operating for 1 hour to reach their steady load state.

Photo Documentation



Picture 1 Rear side of EUT



Picture 2 Front side of EUT