


Prüfbericht-Nr.: Test Report No.:	50114002 001	Auftrags-Nr.: Order No.:	114071980	Seite 1 von 1 Page 1 of 1
Kunden-Referenz-Nr.: Client Reference No.:	12102279	Auftragsdatum: Order date:	04.12.2017	
Auftraggeber: Client:	OrangeTek Limited Needwood, Burton upon Trent DE13 8AJ, United Kingdom			
Prüfgegenstand: Test item:	LED Street Light			
Bezeichnung / Typ-Nr.: Identification / Type No.:	IGNIS 1 72 LED 96W			
Auftrags-Inhalt: Order content:	TÜV Rheinland - Test report			
Prüfgrundlage: Test specification:	Electrical Parameter measurement			
Wareneingangsdatum: Date of receipt:	13.12.2017	See photos attached in report.		
Prüfmuster-Nr.: Test sample No.:	A000666750			
Prüfzeitraum: Testing period:	14.12.2017 – 15.12.2017			
Ort der Prüfung: Place of testing:	TÜV Rheinland Taiwan Ltd., Taichung Branch			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland Taiwan Ltd., Taichung Branch			
Prüfergebnis*: Test result*:	Siehe Sonstiges / See Other			
geprüft von / tested by:		kontrolliert von / reviewed by:		
18. Dec., 2017 Ryan C.M. Hsieh / Engineer <i>Ryan Hsieh</i>		20. Dec., 2017 Jordan Wu / Technical Certifier <i>Jordan Wu</i>		
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
Sonstiges / Other: This test report consists of 5 pages for test results of input power, input current, power factor and VA.				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* 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 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				
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. 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.				



TEST DATA LED Street Light – Electrical Parameter Measurement	
Report Number.:	50114002 001
Order Number.:	114071980
Date of issue	See cover page
Total number of pages	5 pages
Name of Testing Laboratory preparing the Report.....:	TÜV Rheinland Taiwan Ltd., Taichung Branch
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 1 72 LED 96W
Testing.....:	Input power, input current, power factor and VA
Date of receipt of test item.....:	13.12.2017
Date (s) of performance of tests....:	14.12.2017-15.12.2017

Summary of testing:

1. This project is for LED Street Light Electrical Parameter Measurement for input power, input current and power factor and VA under 100% light output with original setting by manufacturer.
2. Tests are conducted at ambient temperature 25°C.
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	96.8	0.469	0.984
220	50	96.7	0.448	0.980
230	50	96.7	0.432	0.973
240	50	96.6	0.415	0.969
250	50	96.5	0.398	0.968

Sample 2 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	96.5	0.468	0.982
220	50	96.4	0.447	0.979
230	50	96.3	0.429	0.975
240	50	96.2	0.413	0.970
250	50	96.1	0.398	0.966

Sample 3 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	96.68	0.468	0.984
220	50	96.63	0.448	0.981
230	50	96.57	0.430	0.976
240	50	96.49	0.415	0.968
250	50	96.42	0.399	0.967

Sample 4 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	96.8	0.468	0.984
220	50	96.7	0.448	0.981
230	50	96.6	0.430	0.978
240	50	96.6	0.415	0.970
250	50	96.5	0.399	0.967

Sample 5 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	96.9	0.471	0.979
220	50	96.8	0.449	0.979
230	50	96.7	0.429	0.979
240	50	96.6	0.411	0.978
250	50	96.7	0.395	0.978

Measured wattage at 100% light output

Voltage(V)/Sample	1 (W)	2 (W)	3 (W)	4 (W)	5 (W)
210	96.8	96.5	96.68	96.8	96.9
220	96.7	96.4	96.63	96.7	96.8
230	96.7	96.3	96.57	96.6	96.7
240	96.6	96.2	96.49	96.6	96.6
250	96.5	96.1	96.42	96.5	96.7

Measured VA at 100% light output

Voltage(V)/Sample	1 (VA)	2 (VA)	3 (VA)	4 (VA)	5 (VA)
210	98.4	98.2	98.3	98.3	99.0
220	98.7	98.5	98.5	98.5	98.9
230	99.3	98.8	99.0	98.9	98.8
240	99.7	99.2	99.6	99.6	98.8
250	99.7	99.6	99.7	99.8	98.8

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

Photo Documentation



Picture 1 Rear side of EUT



Picture 2 Front side of EUT