

<b>Prüfbericht-Nr.:</b> Test Report No.:	<b>50114003 001</b>	<b>Auftrags-Nr.:</b> Order No.:	<b>114071980</b>	Seite 1 von 1 Page 1 of 1
<b>Kunden-Referenz-Nr.:</b> Client Reference No.:	<b>12102279</b>	<b>Auftragsdatum:</b> Order date:	<b>04.12.2017</b>	
<b>Auftraggeber:</b> Client:	OrangeTek Limited Coach House, Blakenhall Park, Bar Lane, Barton under Needwood, Burton upon Trent DE13 8AJ, United Kingdom			
<b>Prüfgegenstand:</b> Test item:	LED Street Light			
<b>Bezeichnung / Typ-Nr.:</b> Identification / Type No.:	IGNIS 1 72 LED 75W			
<b>Auftrags-Inhalt:</b> Order content:	TÜV Rheinland - Test report			
<b>Prüfgrundlage:</b> Test specification:	Electrical Parameter measurement			
<b>Wareneingangsdatum:</b> Date of receipt:	13.12.2017	See photos attached in report.		
<b>Prüfmuster-Nr.:</b> Test sample No.:	A000666750			
<b>Prüfzeitraum:</b> Testing period:	14.12.2017 – 15.12.2017			
<b>Ort der Prüfung:</b> Place of testing:	TÜV Rheinland Taiwan Ltd., Taichung Branch			
<b>Prüflaboratorium:</b> Testing laboratory:	TÜV Rheinland Taiwan Ltd., Taichung Branch			
<b>Prüfergebnis*:</b> Test result*:	Siehe Sonstiges / See Other			
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>		
18. Dec., 2017 Ryan C.M. Hsieh / Engineer		20. Dec., 2017 Jordan Wu / Technical Certifier		
<b>Datum</b> Date	<b>Name / Stellung</b> Name / Position	<b>Unterschrift</b> Signature	<b>Datum</b> Date	<b>Name / Stellung</b> Name / Position
<b>Sonstiges / Other:</b> This test report consists of 5 pages for test results of input power, input current, power factor and VA.				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> Condition of the test item at delivery:		<b>Prüfmuster vollständig und unbeschädigt</b> Test item complete and undamaged		
<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><b>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.</b> 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.</p>				



## TEST DATA

### LED Street Light – Electrical Parameter Measurement

**Report Number.** .....: 50114003 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 75W

**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	74.7	0.360	0.989
220	50	74.7	0.344	0.987
230	50	74.7	0.329	0.986
240	50	74.6	0.316	0.984
250	50	74.6	0.304	0.982

Sample 2 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	74.6	0.359	0.989
220	50	74.5	0.343	0.988
230	50	74.4	0.328	0.986
240	50	74.4	0.315	0.984
250	50	74.3	0.303	0.982

Sample 3 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	74.6	0.358	0.991
220	50	74.5	0.342	0.989
230	50	74.5	0.328	0.988
240	50	74.5	0.315	0.987
250	50	74.5	0.304	0.985

Sample 4 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	73.4	0.354	0.988
220	50	73.3	0.338	0.987
230	50	73.3	0.324	0.985
240	50	73.2	0.310	0.983
250	50	73.2	0.299	0.981

Sample 5 loaded with 100% light output

Input Voltage(V)	Frequency (Hz)	Input Power (W)	Input Current (A)	Power Factor
210	50	73.4	0.353	0.989
220	50	73.3	0.337	0.987
230	50	73.3	0.323	0.985
240	50	73.3	0.311	0.983
250	50	73.3	0.299	0.981

## Measured wattage at 100% light output

Voltage(V)/Sample	1 (W)	2 (W)	3 (W)	4 (W)	5 (W)
210	74.7	74.6	74.6	73.4	73.4
220	74.7	74.5	74.5	73.3	73.3
230	74.7	74.4	74.5	73.3	73.3
240	74.6	74.4	74.5	73.2	73.3
250	74.6	74.3	74.5	73.2	73.3

## Measured VA at 100% light output

Voltage(V)/Sample	1 (VA)	2 (VA)	3 (VA)	4 (VA)	5 (VA)
210	75.6	75.4	75.3	74.3	74.2
220	75.6	75.4	75.3	74.3	74.3
230	75.7	75.5	75.4	74.4	74.4
240	75.9	75.6	75.5	74.5	74.6
250	76.0	75.7	75.6	74.6	74.7

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