

TEST REPORT

SAMPLE INFORMATION:

1. **Sample Description:** LED Street Light
2. **Trade Mark:**
3. **Models:** ARIALED 50
4. **Serial/Batch No. of Sample:** ---
5. **Manufacturer Date:** ----
6. **Manufacturer:** OrangeTek Limited
7. **Manufacturer Address:** Coach House, Blakenhall Park, Bar Lane, Barton under Needwood, Burton upon Trent DE138AJ
8. **Sample Quantity:** 5 units ARIALED 50



CLIENT INFORMATION

1. **Applicant:** OrangeTek Limited
2. **Applicant Address:** Coach House Blakenhall Park, Bar Lane, Barton under Needwood, Burton upon Trent DE13 8AJ
3. **Applicant Post Code:** ---
4. **Applicant Telephone:** ---+44 (0)128 371 6690

TEST INFORMATION:

1. **Applicant No:**
2. **Sampling Method:** Delivered by Applicant
3. **Date of Receipt:** 2013-06-04
4. **Issued Date:** 2013-06-10
5. **Test Item:** Input characteristic
6. **Ref. Documents for the Test:** Specified by client.

CONCLUSION:

REMARKS:

1. The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.
2. Characterization & Condition of Sample: Normal.
3. Ambient Condition During Testing: 25 ± 2 C, 50-60% RH.

Sample 1

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	54.00	0.261	0.983
220	50	54.10	0.250	0.980
230	50	54.20	0.240	0.977
240	50	54.20	0.231	0.973
250	50	54.30	0.223	0.970

Sample 2

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	54.10	0.261	0.982
220	50	54.10	0.250	0.979
230	50	54.20	0.240	0.976
240	50	54.30	0.231	0.973
250	50	54.30	0.223	0.970

Sample 3

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	54.00	0.261	0.984
220	50	54.00	0.250	0.981
230	50	54.10	0.240	0.977
240	50	54.10	0.231	0.973
250	50	54.30	0.223	0.969

Sample 4

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	54.10	0.261	0.983
220	50	54.20	0.250	0.980
230	50	54.20	0.240	0.976
240	50	54.30	0.231	0.973
250	50	54.30	0.223	0.969

Sample 5

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	54.00	0.261	0.982
220	50	54.20	0.250	0.979
230	50	54.30	0.240	0.976
240	50	54.30	0.231	0.972
250	50	54.40	0.223	0.969

Watts

Voltage \ Sample	1	2	3	4	5
210	54.00	54.10	54.00	54.10	54.00
220	54.10	54.10	54.00	54.20	54.20
230	54.20	54.20	54.10	54.20	54.30
240	54.20	54.30	54.10	54.30	54.30
250	54.30	54.30	54.30	54.30	54.40

VA

Voltage \ Sample	1	2	3	4	5
210	54.810	54.831	54.852	54.789	54.810
220	55.022	55.000	55.044	55.000	55.066
230	55.246	55.269	55.223	55.223	55.200
240	55.512	55.536	55.488	55.464	55.512
250	55.825	55.775	55.800	55.775	55.850

Notes:

1. Test be conducted after operating for 12 hours to reach their steady load state.
2. The measurement uncertainties are for a confidence probability of not less than 98%.
3. The measurement uncertainties of the below value (k=2), $U_{rel}(v)=0.1\%$, $U_{rel}(w)=0.1\%$, $U_{rel}(i)=0.2\%$, $U_{rel}(f)=0.05\%$, $U_{rel}(PF)=0.5$

Photograph of Sample

Photo 1 View of EUT



Photo 2 View of EUT

