

TEST REPORT

SAMPLE INFORMATION:

1. **Sample Description:** LED Street Light
2. **Trade Mark:**
3. **Models:** ARIALED 40
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 40



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	43.70	0.213	0.974
220	50	43.70	0.204	0.970
230	50	43.80	0.197	0.965
240	50	43.90	0.190	0.960
250	50	44.00	0.184	0.954

Sample 2

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	43.60	0.213	0.973
220	50	43.70	0.204	0.970
230	50	43.70	0.197	0.966
240	50	43.80	0.190	0.959
250	50	44.10	0.184	0.953

Sample 3

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	43.80	0.213	0.974
220	50	43.90	0.204	0.971
230	50	43.90	0.197	0.964
240	50	43.90	0.190	0.961
250	50	44.00	0.184	0.955

Sample 4

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	43.70	0.213	0.974
220	50	43.80	0.204	0.969
230	50	43.90	0.197	0.964
240	50	43.90	0.190	0.959
250	50	43.90	0.184	0.953

Sample 5

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	43.80	0.213	0.973
220	50	43.80	0.204	0.969
230	50	43.80	0.197	0.965
240	50	43.90	0.190	0.961
250	50	44.00	0.184	0.956

Watts

Voltage \ Sample	1	2	3	4	5
210	43.70	43.60	43.80	43.70	43.80
220	43.70	43.70	43.90	43.80	43.80
230	43.80	43.70	43.90	43.90	43.80
240	43.90	43.80	43.90	43.90	43.90
250	44.00	44.10	44.00	43.90	44.00

VA

Voltage \ Sample	1	2	3	4	5
210	44.688	44.667	44.709	44.646	44.667
220	44.946	44.968	44.946	44.902	44.924
230	45.241	45.218	45.264	45.241	45.241
240	45.576	45.600	45.528	45.552	45.552
250	45.950	45.925	45.975	45.900	45.975

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

