

TEST REPORT

SAMPLE INFORMATION:

1. **Sample Description:** LED Street Light
2. **Trade Mark:**
3. **Models:** ARIALED 60 dim to 70% current
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 60



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	45.00	0.218	0.978
220	50	45.10	0.210	0.974
230	50	45.30	0.202	0.970
240	50	45.50	0.195	0.965
250	50	45.60	0.189	0.960

Sample 2

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	45.10	0.218	0.977
220	50	45.10	0.210	0.974
230	50	45.20	0.202	0.969
240	50	45.40	0.196	0.964
250	50	45.50	0.189	0.959

Sample 3

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	45.10	0.219	0.978
220	50	45.20	0.210	0.973
230	50	45.30	0.203	0.969
240	50	45.30	0.195	0.965
250	50	45.50	0.189	0.961

Sample 4

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	45.00	0.219	0.979
220	50	45.20	0.210	0.974
230	50	45.40	0.202	0.971
240	50	45.40	0.195	0.966
250	50	45.60	0.189	0.960

Sample 5

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	45.10	0.218	0.977
220	50	45.30	0.210	0.973
230	50	45.30	0.202	0.970
240	50	45.40	0.196	0.966
250	50	45.60	0.189	0.959

Watts

Voltage \ Sample	1	2	3	4	5
210	45.00	45.10	45.10	45.00	45.10
220	45.10	45.10	45.20	45.20	45.30
230	45.30	45.20	45.30	45.40	45.30
240	45.50	45.40	45.30	45.40	45.40
250	45.60	45.50	45.50	45.60	45.60

VA

Voltage \ Sample	1	2	3	4	5
210	45.864	45.843	45.885	45.906	45.864
220	46.178	46.156	46.200	46.134	46.134
230	46.529	46.506	46.575	46.552	46.506
240	46.896	46.920	46.848	46.872	46.944
250	47.325	47.300	47.275	47.325	47.350

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

