Delta Electronics, Inc.
252 Shangying Road, Guishan Industrial Zone,
Taoyuan County 33341, Taiwan, R.O.C.
TEL : +886-3-359-1968

TEST REPORT

SAMPLE INFORMATION:

1. **Sample Description:** LED Street Light
2. **Trade Mark:**
3. **Models:** ARIALED 40 dim to 50% 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 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.

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Sample 1

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	22.40	0.115	0.925
220	50	22.60	0.112	0.913
230	50	22.80	0.110	0.901
240	50	22.90	0.108	0.888
250	50	23.10	0.106	0.874

Sample 2

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	22.30	0.115	0.924
220	50	22.40	0.112	0.914
230	50	22.40	0.110	0.900
240	50	22.50	0.108	0.889
250	50	22.70	0.106	0.874

Sample 3

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	22.50	0.115	0.926
220	50	22.60	0.112	0.914
230	50	22.60	0.110	0.902
240	50	22.70	0.107	0.887
250	50	22.90	0.106	0.873

Sample 4

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	22.50	0.115	0.925
220	50	22.70	0.112	0.912
230	50	22.80	0.110	0.902
240	50	22.90	0.108	0.889
250	50	22.90	0.106	0.873

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Sample 5

Input voltage(V)	Frequency(Hz)	Input power(W)	Input current(A)	Power factor
210	50	22.40	0.115	0.924
220	50	22.50	0.112	0.912
230	50	22.60	0.110	0.901
240	50	22.60	0.108	0.886
250	50	22.80	0.106	0.875

Watts

Voltage \ Sample	1	2	3	4	5
210	22.40	22.30	22.50	22.50	22.40
220	22.60	22.40	22.60	22.70	22.50
230	22.80	22.40	22.60	22.80	22.60
240	22.90	22.50	22.70	22.90	22.60
250	23.10	22.70	22.90	22.90	22.80

VA

Voltage \ Sample	1	2	3	4	5
210	24.192	24.171	24.192	24.213	24.171
220	24.684	24.706	24.662	24.706	24.662
230	25.231	25.254	25.208	25.208	25.208
240	25.800	25.824	25.776	25.848	25.800
250	26.425	26.400	26.450	26.425	26.450

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), Urel(v)=0.1% , Urel(w)=0.1% , Urel(i)=0.2% , Urel(f)=0.05% , Urel(PF)=0.5

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Photograph of Sample

Photo 1View of EUT

Photo 2 View of EUT