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REPORT NO.: EM-SC150105 (C1M1712299, C1M1512097) REISSUE DATE: 2017. 12. 20

1. APPLICANT : OrangeTek Limited
Coach House Blakenhall Park Bar Lane,
Barton under Needwood, Burton upon Trent,
DE13 8AJ, United Kingdom.
2. MANUFACTURER : OrangeTek Limited
Coach House Blakenhall Park Bar Lane,
Barton under Needwood, Burton upon Trent,
DE13 8AJ, United Kingdom.
3. PREPARED BY : AUDIX Technology Corporation.
EMC Department
No. 53-11, Dingfu, Linkou Dist.,
New Taipei City 244, Taiwan
Tel: (02) 2609-9301~2; Fax: (02) 2609-9303
4. DESCRIPTION OF DEVICE
 - A) MODEL NO. : AriaLED mini 74W
 - B) SERIAL NO. : N/A
 - C) TEST UNIT : Sample 1, Sample 2, Sample 3, Sample 4, Sample 5
 - D) TEST VOLTAGE : AC 210V/50Hz, AC 220V/50Hz, AC 230V/50Hz,
AC 240V/50Hz, AC 250V/50Hz
5. DATE OF MEASUREMENT : 2015. 12. 10
6. PLACE OF MEASUREMENT : **AUDIX Technology Corporation**
EMC Department
Immunity Test Site
No. 53-11, Dingfu, Linkou Dist.,
New Taipei City 244, Taiwan
- **REMARK OF REV. 01** : **model number changed**
- **SIGNATURE** : 
Alex Deng/Deputy Manager
AUDIX Technology Corporation
EMC Department
Reissue Date: 2017. 12. 20

Sample 1 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 74.4 | 0.362 | 0.976 |
| 220 | 50 | 74.2 | 0.347 | 0.971 |
| 230 | 50 | 74.3 | 0.335 | 0.965 |
| 240 | 50 | 74.1 | 0.322 | 0.957 |
| 250 | 50 | 74.1 | 0.312 | 0.949 |

Sample 2 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 74.5 | 0.363 | 0.977 |
| 220 | 50 | 74.4 | 0.348 | 0.972 |
| 230 | 50 | 74.3 | 0.334 | 0.966 |
| 240 | 50 | 74.2 | 0.322 | 0.959 |
| 250 | 50 | 74.2 | 0.312 | 0.951 |

Sample 3 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 74.3 | 0.362 | 0.977 |
| 220 | 50 | 74.1 | 0.347 | 0.971 |
| 230 | 50 | 74.1 | 0.333 | 0.965 |
| 240 | 50 | 74.0 | 0.322 | 0.958 |
| 250 | 50 | 74.1 | 0.311 | 0.951 |

Sample 4 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 74.3 | 0.362 | 0.976 |
| 220 | 50 | 74.2 | 0.347 | 0.971 |
| 230 | 50 | 74.2 | 0.334 | 0.964 |
| 240 | 50 | 74.1 | 0.323 | 0.957 |
| 250 | 50 | 74.1 | 0.312 | 0.950 |

Sample 5 100% Light output

| Input voltage(V) | Frequency(Hz) | Input power(W) | Input current(A) | Power factor |
|------------------|---------------|----------------|------------------|--------------|
| 210 | 50 | 74.6 | 0.363 | 0.976 |
| 220 | 50 | 74.5 | 0.348 | 0.971 |
| 230 | 50 | 74.4 | 0.335 | 0.964 |
| 240 | 50 | 74.4 | 0.323 | 0.957 |
| 250 | 50 | 74.2 | 0.313 | 0.949 |

Watts

| Voltage \ Sample | 1 | 2 | 3 | 4 | 5 |
|------------------|------|------|------|------|------|
| 210 | 74.4 | 74.5 | 74.3 | 74.3 | 74.6 |
| 220 | 74.2 | 74.4 | 74.1 | 74.2 | 74.5 |
| 230 | 74.3 | 74.3 | 74.1 | 74.2 | 74.4 |
| 240 | 74.1 | 74.2 | 74.0 | 74.1 | 74.4 |
| 250 | 74.1 | 74.2 | 74.1 | 74.1 | 74.2 |

VA

| Voltage \ Sample | 1 | 2 | 3 | 4 | 5 |
|------------------|------|------|------|------|------|
| 210 | 76.2 | 76.3 | 76.0 | 76.1 | 76.3 |
| 220 | 76.5 | 76.6 | 76.3 | 76.4 | 76.7 |
| 230 | 76.9 | 76.9 | 76.8 | 76.9 | 77.1 |
| 240 | 77.4 | 77.4 | 77.3 | 77.5 | 77.6 |
| 250 | 78.1 | 78.0 | 77.9 | 78.0 | 78.2 |

Notes: Test be conducted after operating for 1 hour to reach their steady load state.

Photograph of Sample

Photo 1 View of EUT



Photo 2 View of EUT

