

TEST REPORT

1. Applicant

Name : WOOKANG TECH CO., LTD.
Address : 175-16. Cheongcheon-Dong, Bupyeong-Gu,
Incheon-City, Korea

2. Products

Name : LED Light
Model/Type : LED 1100
Manufacturer : WOOKANG TECH CO., LTD.
Remark : -

3. Test Standard/Method : IEC 60529:2001, KS C IEC 60529:2002

4. Test Results : IP68 (Refer to document)

5. Use of Report : For Quality Control.

6. Date of Application : 2010. 01. 04

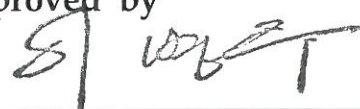
7. Date of Issue : 2010. 01. 07

Tested by



Machinery Components Center
Chang-ho Kim

Approved by



Machinery Components Center
Leader Byung-woo Lee

The above test report is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

Korea Testing Laboratory

TEST RESULTS

for Degree of protection provided by enclosures(IP Code)

1. Test Results

| Code letters | IP | Test method and Record | Results |
|--|----------|--|-------------|
| <p>1st Characteristic numerals</p> <p>Against ingress of solid foreign objects</p> | 6 | <p>1. CONDITIONS</p> <p>1.1 Talcum powder(mesh) : Wire diameter=50 μm, width between wires=75 μm</p> <p>1.2 Amount of talcum powder of the test chamber : 2kg/m³</p> <p>2. TEST</p> <p>2.1 Volume of the enclosures : about 40 cm³</p> <p>2.2 Reduction air pressure : -2.0 kPa (-200 mmH₂O)</p> <p>2.3 Flow rate : 0.0 LPM</p> <p>2.4 Extraction rate per hour : 0 volumes/h</p> <p>2.5 Test duration : 8 hours</p> | Pass |
| <p>2nd Characteristic numerals</p> <p>Against ingress of water with harmful effects</p> | 8 | <p>1. CONDITIONS</p> <p>1.1 The lowest point of enclosure : 400 mm</p> <p>1.2 The highest point of enclosure : 338 mm</p> <p>1.3 Differential temperature of water and enclosure (less than 5K) : about 1.0 K</p> <p>1.4 Hydraulic test : 2.0 kg/cm²</p> <p>2. TEST</p> <p>2.1 The duration of the test is : 3 hour</p> | Pass |

2. Reference Data

- (1) Test conditions : 19.0 °C, 34 %RH, 86~106 kPa
- (2) Size : 52 mm×52 mm×62 mm
- (3) Test is only lamp part