



TEST REPORT

Report Reference No.....	CTL2003022051-IP
Tested by (name + signature).....	Lily Zhang <i>Lily Zhang</i>
Supervised by (name + signature).....	Arno Liu <i>Arno Liu</i>
Approved by (name + signature).....	Ethan Chen <i>Ethan Chen</i>
Date of issue.....	Mar.20, 2020
Testing Laboratory Name.....	Shenzhen CTL Testing Technology Co., Ltd.
Address.....	Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055s
Testing location.....	Zhongshan GTT International Co., Ltd.
Applicant's name.....	Guangzhou Teehon Electronics Co., LTD.
Address.....	2/F, Building A, No.1, Henggang East Road, Dongping, Baiyun District, Guangzhou, Guangdong, China
Test specification:	
Test specifications / Test standard :	Verification test according to sub-clause 14.2.4 (IP67) of IEC 60529:1989+A1:1999+A2:2013
IP code.....	IP67
Test procedure.....	Test report
Non-standard test method.....	N/A
Test item description.....	LED work lamp
Trade Mark.....	Teehon
Manufacturer.....	Guangzhou Teehon Electronics Co., LTD. 2/F, Building A, No.1, Henggang East Road, Dongping, Baiyun District, Guangzhou, Guangdong, China
Model/Type reference.....	TH-1918, TH-W0127E, TH-W0127E-Y, TH-W0127E-F, TH-2101, TH-W0218E, TH-6240, TH-1410, TH-0215, TH-0215L, TH-1212, TH-0118, TH-0118L, TH-1518, TH-1042, TH-6450, TH-1748, TH-2012, TH-W0112C, TH-W0209E, TH-W0309E, TH-W0112E, TH-W0118E, TH-W0115E, TH-0315E, TH-0318E, TH-W0218E, TH-W0124E, TH-W0124E-T, TH-W0330E, TH-W0145E, TH-W0160C, TH-W0148E, TH-W0248C, TH-2260, TH-AT0420C, TH-AT0440C, TH-AT0460C, TH-AT0480C, TH-AT04100C, TH-AT04120C, TH-AT04140C, TH-AT04160C, TH-AT04180C, TH-AT04200C, TH-AT04220C, TH-AT04240C
Test result :	Refer to the next pages.

1. Function / Description :

LED work lamp, powered by DC9-60V, housed with enclosure

Model Differences:

All models TH-1918, TH-W0127E, TH-W0127E-Y, TH-W0127E-F, TH-2101, TH-W0218E, TH-6240, TH-1410, TH-0215, TH-0215L, TH-1212, TH-0118, TH-0118L, TH-1518, TH-1042, TH-6450, TH-1748, TH-2012, TH-W0112C, TH-W0209E, TH-W0309E, TH-W0112E, TH-W0118E, TH-W0115E, TH-0315E, TH-0318E, TH-W0218E, TH-W0124E, TH-W0124E-T, TH-W0330E, TH-W0145E, TH-W0160C, TH-W0148E, TH-W0248C, TH-2260, TH-AT0420C, TH-AT0440C, TH-AT0460C, TH-AT0480C, TH-AT04100C, TH-AT04120C, TH-AT04140C, TH-AT04160C, TH-AT04180C, TH-AT04200C, TH-AT04220C, TH-AT04240C have same electrical circuit; only the model's name, appearance, color are difference.
All tests were conducted on the representative model TH-1918.

2. Summary of testing and conclusion :**Clause 13.4**

- The test is made using a dust chamber.
- The talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is 50 μm and the nominal width of a gap between wires 75 μm . The amount of talcum powder to be used is 2 kg per cubic meter of the test chamber volume.

Clause 14.2.7

- The lowest point of enclosures with a height less than 850 mm is located 1000 mm below the surface of the water
- The duration of the test is 30 min.

The test was done in the Zhongshan GTT International Co., Ltd;

Tests were performed on Mar.09, 2020 to Mar.18, 2020.

3. Test Result:

CLAUSE	Verdict
13.4 Test for first characteristic numeral 6 (IP6X)	Pass
After Testing:	Pass
<ul style="list-style-type: none">No dust enter into the enclosure inside.	Pass

CLAUSE	Verdict
14.2.7 Test for second characteristic numeral 7 (IPX7)	Pass
After Testing:	Pass
<ul style="list-style-type: none">No water enter into the enclosure inside.	Pass
<ul style="list-style-type: none">After test, The sample can be operated normally, No damage to the safety of the sample	Pass

4. Photo document

Photo 1 Front view



Photo 2 Back view



Photo 3 side view



Photo 4 side view



Photo 5 Testing view(IPX5)



Photo 6 Testing view(IPX5)



Photo 7 After test view



Photo 8 After test view



--- End of Report ---