



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Reference No. :	WTX20F03010384S
Applicant..... :	GlobTek, Inc.
Address. :	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer. :	GlobTek, Inc. GlobTek (Suzhou) Co., Ltd 186 Veterans Dr. Northvale, NJ 07647 USA
Address. :	Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou,JiangSu 215021, China
Product Name..... :	Power Supply
Model No..... :	GTM96600-6036-P2
Ratings..... :	--
Standards..... :	IEC 60529:1989+A1:1999+A2:2013
Date of Receipt sample :	2020-03-17
Date of Test :	2020-03-18 to 2020-03-19
Date of Issue..... :	2020-03-25
Test Report Form No. :	WST-60529-50B
Test Result..... :	Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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List of test items:

No.	Test Items	Requirement + Test	Result
1	IP68 Test	IEC 60529:1989+A1:1999+A2:2013	Pass
<p>Subcontract</p> <p>Whether parts of tests for the product have been subcontracted to other labs:</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, list the related test items and lab information:</p> <p>Test items: ---</p> <p>Lab information: --</p>			
<p>Trademark:</p> 			
<p>Model NO. /Series:</p> <p>GT**-*****</p> <p>The 1st "*" part can be 'M' or '-' or 'H' for market identification and not related to safety.</p> <p>The 2nd "*" can be 91099 or 96600 for market identification</p> <p>The 3rd "*" denotes the rated output wattage designation, which can be "01" to "65", with interval of 1.</p> <p>When the 2nd "*" = 91099</p> <p>The 4th "*" denotes the standard rated output voltage designation, which can be "09", "15", "24", "48";</p> <p>The 5th "*" is optional deviation, subtracted from standard output voltage, which can be "-0.01" to "-23.9" with interval of 0.01, or blank to indicate no voltage different.</p> <p>The 4th "*" and 5th "*" together denote the output voltage, with a range of 5-48volts.</p> <p>When the 2nd "*" = 96600</p> <p>The 4th "*" denote the standard rated output voltage designation, which can be "05" to "54" or "5.0" to "54.0" in 0.1V increments.</p> <p>The 5th "*" =Blank</p> <p>The 6th "*" =-P2 means Encapsulated class II</p> <p>=-P3 means Encapsulated class I or class II with functional earth</p> <p>The last * denote any six character = 0-9 or A-Z or ()[] or - or blank for marketing purposes.</p>			
<p>Remarks:</p> <p>1. Test of IP68 was carried out on model: GTM96600-6036-P2.</p> <p>2. All models have the same construction of protection against moisture.</p>			

Test Item :

Tests for protection against dust-proof: IP6X

Test Method:

The tests should be carried out under the standard atmospheric condition.

The atmospheric conditions during tests are as follows:

Temperature range: 20 °C to 30 °C.

Dust-proof luminaires (first characteristic IP numeral 6) shall be tested in a dust Chamber similar to that shown in Figure 6, in which talcum powder is maintained in suspension by an air current. The chamber shall contain 2 kg of powder for every cubic metre of its volume. The talcum powder used shall be able to pass through a square-meshed sieve whose nominal wire diameter is 50 µm and whose nominal free distance between wires is 75 µm. It shall not have been used for more than 20 tests.

The test shall proceed as follows:

- The luminaire is suspended outside the dust chamber and operated at rated supply voltage until operating temperature is achieved.
- The luminaire, whilst still operating, is placed with the minimum disturbance in the dust chamber.
- The door of the dust chamber is closed.
- The fan/blower causing the talcum powder to be in suspension is switched on.
- After 1 min, the luminaire is switched off and allowed to cool for 3 h whilst the talcum powder remains in suspension.

NOTE The 1 min interval between switching on the fan/blower and switching off the luminaire is to ensure that the talcum powder is properly in suspension around the luminaire during initial cooling, which is most important with smaller luminaires. The luminaire is operated initially as in item a) to ensure the test chamber is not overheated.

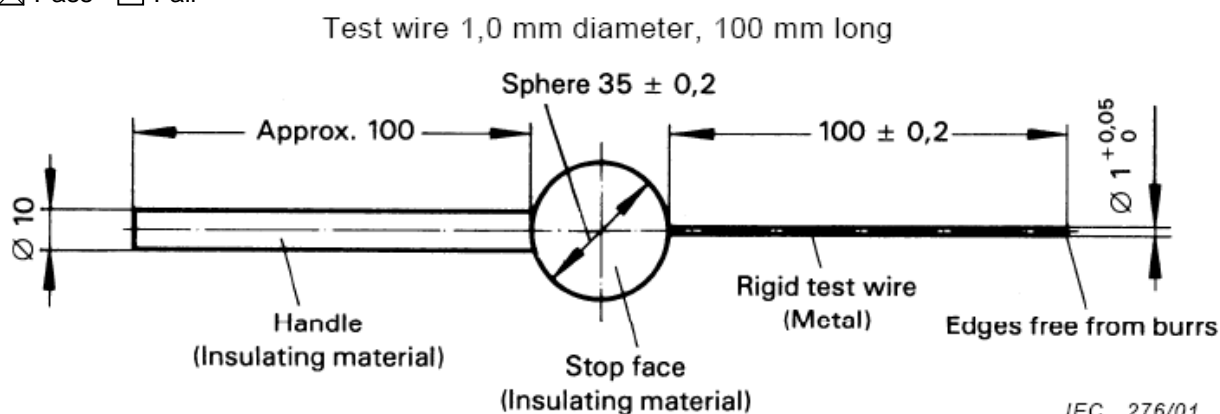
Acceptance Conditions:

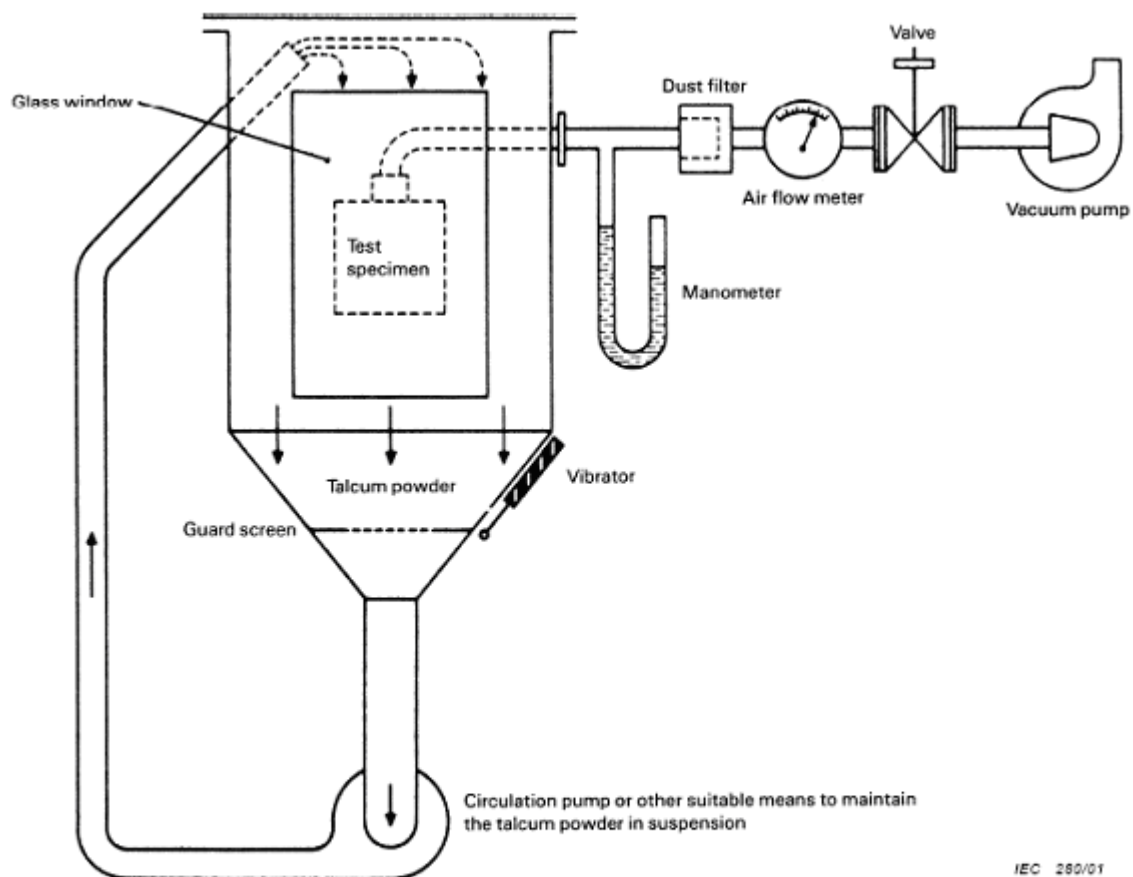
After completion of the tests, the luminaire shall withstand the electric strength test specified in Section 10, and inspection shall show:

No deposit of talcum powder inside enclosures for dust-tight luminaires.

Test Result:

☒ Pass ☐ Fail





IEC 280/01

NOTE See IEC 60068-2-68, figure 2 valid for La2 only.

Figure 2 – Test device to verify protection against dust (dust chamber)

Test Item :

Tests for protection against ingress moisture: IPX8

Test Method:

The tests should be carried out under the standard atmospheric condition. The atmospheric conditions during tests are as follows:

Temperature range: 15 °C to 35 °C; Relative humidity: 25% to 75%.

The tests are conducted with fresh water.

Unless there is a relevant product standard, the test conditions are subject to agreement between manufacturer and user, but they shall be more severe than those prescribed in 14.2.7 and they shall take account of the condition that the enclosure will be continuously immersed in actual use.

The test is made by completely immersing the enclosure in water in its service position as specified by the manufacturer so that the following conditions are satisfied:

—the lowest point of enclosures is located 1000 mm (According to the entrust) below the surface of the water;

—the highest point of enclosures is located 1000 mm (According to the entrust) below the surface of the water;

—the duration of the test is 60 min (According to the entrust);

—the water temperature does not differ from that of the equipment by more than 5 K. However, a modified requirement may be specified in the relevant product standard if the tests are to be made when the equipment is energized and/or its parts in motion.

Acceptance Conditions:

After testing in accordance with the appropriate requirements, the enclosure shall be inspected for ingress of water.

It is the responsibility of the relevant Technical Committee to specify the amount of water which may be allowed to enter the enclosure and the details of a dielectric strength test, if any.

In general, if any water has entered, it shall not:

- be sufficient to interfere with the correct operation of the equipment or impair safety;
- deposit on insulation parts where it could lead to tracking along the creepage distances;
- reach live parts or windings not designed to operate when wet;
- accumulate near the cable end or enter the cable if any.

If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment.

For enclosures without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.

Test Result:

☒ Pass ☐ Fail

Photo Documentation:
Model: GTM96600-6036-P2



Photo 1 -- Sample



Photo 2 -- During the test of IP6X



Photo 3 -- During the test of IPX8



Photo 4 -- After the test of IP68

Equipment Used during Test :

Equipment	Model/Type
Temperature & Humidity Datalogger	608-H1
Dustproof chamber	HY-FCX
Protection against water test device	KXT1318

===== End of Report =====