



STC Test Report

Date : 2016-12-14
No. : DE117407

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- Applicant** : GlacialTech Inc
6Fl., No.346 Sec 2 Jung Shan Road., Jung He Dist., New Taipei City 235, Taiwan
- Description of Sample(s)** : Submitted sample(s) said to be
Product: LED Driver
Brand name: GlacialPower
Model no.: See page 2
Electrical rating: Not provided
Quantity submitted: 2 pieces
Country of origin: Not provided
Country of destination: Not provided
Manufacturer: GlacialTech Inc
6Fl., No.346 Sec 2 Jung Shan Road., Jung He Dist., New Taipei City 235, Taiwan
- Date Sample(s) Received** : 2016-03-10
- Date Tested** : 2016-03-10 to 2016-03-14
- Investigation Requested** : Test according to the Ingress protection requirements of clause 13 and 14 of IEC 60529.
- Conclusion(s)** : The submitted sample(s) complied with IP 67 requirements (selective clause) of:
IEC 60529: 1989 + A1: 1999 + A2: 2013
[Degrees of protection provided by enclosures (IP code)]
Clause 13: Tests for protection against solid foreign objects indicated by the first characteristic numeral.
Clause 14: Tests for protection against water indicated by the second characteristic numeral.
- Remark(s)** : This test report is based on the previous report of DE115658 which was issued on 2016-03-25, just changed applicant, brand name and model number.


Li Chang Jun, Ricky
Authorized Signatory
Electrical Safety Department
For and on behalf of
STC (Dongguan) Company Limited



STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)

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Model List

	Model No.
Test model	GP-LE100N-12V
Additional models	GP-LE100N-24V
Except for the model number and electric parameter are different; The additional models are same in the waterproof dustproof constructions, shape of enclosures, materials and electronic circuits with the test model GP-LE100N-12V .	

Model No	Input	Output Vdc	Output A	Output (W)
GP-LE100N-12V	100-240Vac 50/60Hz, 2.0A ta:50°C, tc:90°C	12	0.01~8.5	102
GP-LE100N-24V		24	0.01~4.2	100.8

Note:

"zzz" can be any character, number or blank, V: Constant voltage;

"yy" represents the max. output voltage which may be any number from 12 to 24.

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IEC 60529 Degrees of protection provided by enclosures (IP Code)

<u>Clause</u>	<u>Description</u>	<u>Result</u>	<u>Remark</u>
13.1	Test means.....	Noted	--
13.2	Test conditions for first characteristic numerals 1,2,3,4	Not applicable	--
13.3	Acceptance conditions for first characteristic numerals 1, 2, 3, 4.....	Not applicable	--
13.4	Dust test for first characteristic numerals 5 and 6..	Complied	IP6X
13.5	Special conditions for first characteristic numeral 5	Not applicable	--
13.5.1	Test conditions for first characteristic numeral 5...	Not applicable	--
13.5.2	Acceptance conditions for first characteristic numeral 5	Not applicable	--
13.6	Special conditions for first characteristic numeral 6	Complied	--
13.6.1	Test conditions for first characteristic numeral 6...	Complied	--
13.6.2	Acceptance conditions for first characteristic numeral 6	Complied	No dust entered the enclosure

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IEC 60529 Degrees of protection provided by enclosures (IP Code)

<u>Clause</u>	<u>Description</u>	<u>Result</u>	<u>Remark</u>
14.1	Test means.....	Noted	--
14.2	Test conditions	Noted	--
14.2.1	Test for second characteristic numeral 1 with the drip box	Not applicable	--
14.2.2	Test for second characteristic numeral 2 with the drip box	Not applicable	--
14.2.3	Test for second characteristic numeral 3 with oscillating tube or spray nozzle.....	Not applicable	--
14.2.4	Test for second characteristic numeral 4 with oscillating tube or spray nozzle.....	Not applicable	--
14.2.5	Test for second characteristic numeral 5 with the 6,3mm nozzle.....	Not applicable	--
14.2.6	Test for second characteristic numeral 6 with the 12,5mm nozzle.....	Not applicable	--
14.2.7	Test for second characteristic numeral 7: temporary immersion between 0,15 to 1m.....	Complied	IPX7
14.2.8	Test for second characteristic numeral 8 : continuous immersion subject to agreement.....	Not applicable	--
14.3	Acceptance conditions	Complied	No water entered the enclosure

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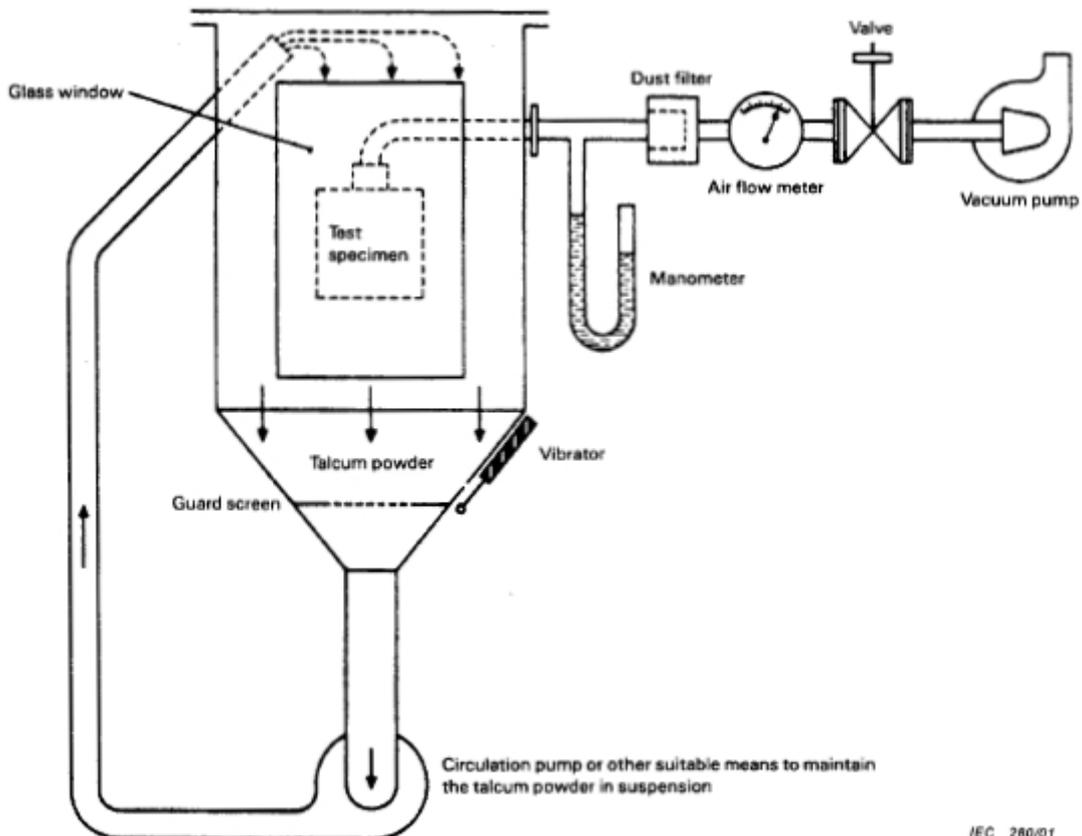
Test description

IP 6X

The test is made using a dust chamber incorporating the basic principles shown in figure whereby the powder circulation pump may be replaced by other means suitable to maintain the talcum powder in suspension in a closed test 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.

The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump. the suction connection shall be made to a hole specially provided for this test. the test shall be continued for a period of 8 h.

Test result: PASS



JEC 280/01

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Test description

IP X7

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:

- a) Immersion depth: 100 cm;
 - b) The duration of the test is 30 min;
 - c) 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.

Test result: PASS

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Test Photo



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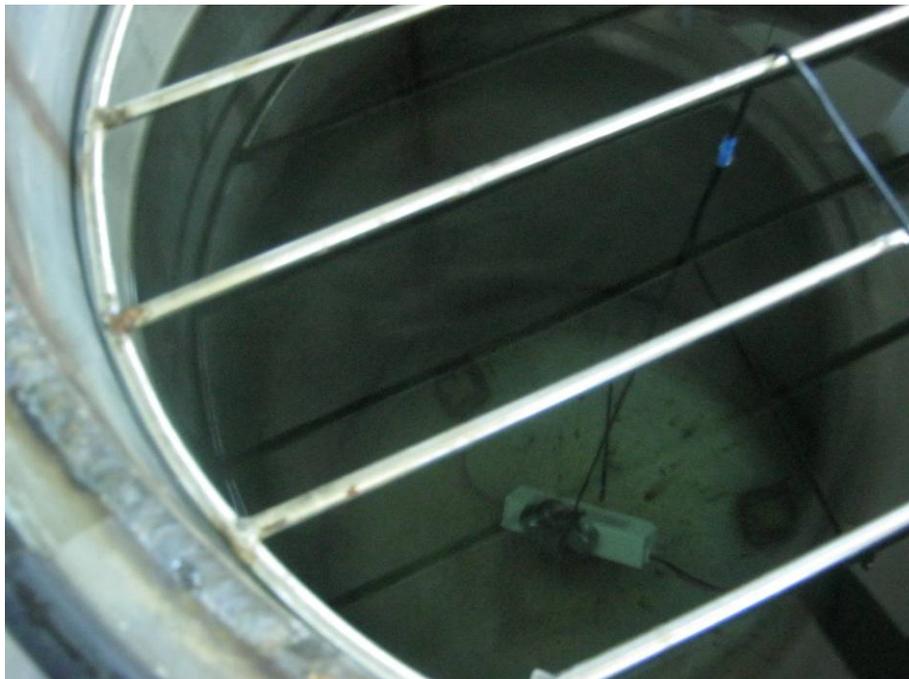


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Product Photographs



***** End of Test Report *****

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