



ELECTRONICS TESTING CENTER, TAIWAN
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Ind. Ser. No. : 13-03-NEF-042

Issue Date : 2013 / 3 / 26

TEST REPORT

Ind. Ser. No. : 13-03-NEF-042
 Applicant : GlacialTech Inc
 Address : 9Fl.,No352,Sec.2,Jung Shan Rd. Jung He Dist, New Taipei
 City 235,Taiwan
 Products : LED Driver
 Model : Main Model : GP-LS150PH-210A
 : Series Model : GP-LSYYYYPH-XXXAZZZ
 (Model difference Consult ANNEX A)
 Date of Receipt : 2013 / 3 / 21
 Test specification : IEC60529 Edition 2.1 2001-02
 Inspection Site : Electronics Testing Center, Taiwan – Southern Taiwan
 Industry Service Department
 (TAF Certification No:1161)
 Testing Item : IP65
 Test condition : See the following sheets
 Test result : PASS



The test results relate only to the items tested.

The report shall not be reproduced except in full without the written approval of Electronics Testing Center, Taiwan.

This inspection has carried out to the best of our knowledge and ability, and our responsibility is limited to the exercise of reasonable care, this certification is not intended to believe the sellers from their contractual obligations.

Tested by : Yu Bin Qiu 2013.3.26
 Yu Bin Qiu
 Southern Taiwan Industry
 Service Department

Approved by : Yi Hong Lin 2013.3.26
 Yi Hong Lin
 Southern Taiwan Industry
 Service Department



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Testing Item: IP65

Testing Conditions :

(1) IP6X :

- (1) Maximum depression of 2kPa (20mbar) ◦
- (2) The test shall be continued for a period of 8 hours ◦

(2) IPX5 :

- (1) Internal diameter of the nozzle: 6.3 mm ◦
- (2) Delivery rate: 12.5 l/min $\pm 5\%$ ◦
- (3) Distance from nozzle to enclosure surface :
between 2.5 m and 3 m ◦
- (4) The duration of test is 3 min ◦

Testing Result :

Request/Experiment	Results	Remark
Accordance with IEC60529 13.1,13.4and 13.6 test. The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.	There is no trace of dust inside.	IP6X
After testing in accordance with appropriate requirements of IEC60529 14.1,14.2.5 and 14.3	No ingress of water was found inside.	IPX5



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Utilized testing equipments

	Kind of Instrument	Manufacturer	Model Serial NO.
✓	Thermo-Hygro Recorder Cal. Date:2012/06/14 Recommended Recal Date:2013 / 06 / 13	HAENNI	KRK-501/13491030-001
	Electrical Safety Compliance Analyzer	EXTECH	7452/E992214
	AC 20Kv 200mA	Asis	SYT-20kV200mA/S97-004
	Push And Pull Dynamometer with Linear Scale (0...50N)	PTL	P10.35/5001028
	Push-Pull gauge	ALGOL	NK-300/30954
	Protractor	—	A7028-J (0° ~ 90°)
✓	Stop Watch Clock Alarm Cal. Date:2012/09/04 Recommended Recal Date:2013/09/03	CATIGA	CT-500
✓	Test rod,1mm	E.D.&D.	TRP-02
	Test rod,2.5mm	ASIA QTECH	TRP-1/0803
	Test sphere 50mm	ASIA QTECH	TSP-1/0801
	Test finger	PTL	P10.14/5001023/13502009-001
	Test sphere 12.5mm	ASIA QTECH	TSP-2/0802
✓	DUST TEST CHAMBER Cal. Date:2012/04/25 Recommended Recal Date:2013/04/24	PTL	P14.41/5050255
	Drip Box (IPX1~IPX2)	PTL	P01.18/5080026
	Oscillating Tube (IPX3~IPX4)	PTL	P02.27/5080027
✓	Hose Nozzle (IPX5)	PTL	P03.26/5080028
	Hose Nozzle (IPX6)	PTL	P03.28/5080029
	Water Butt (IPX7~8)	—	—

LED Driver : IP6X Test Photo



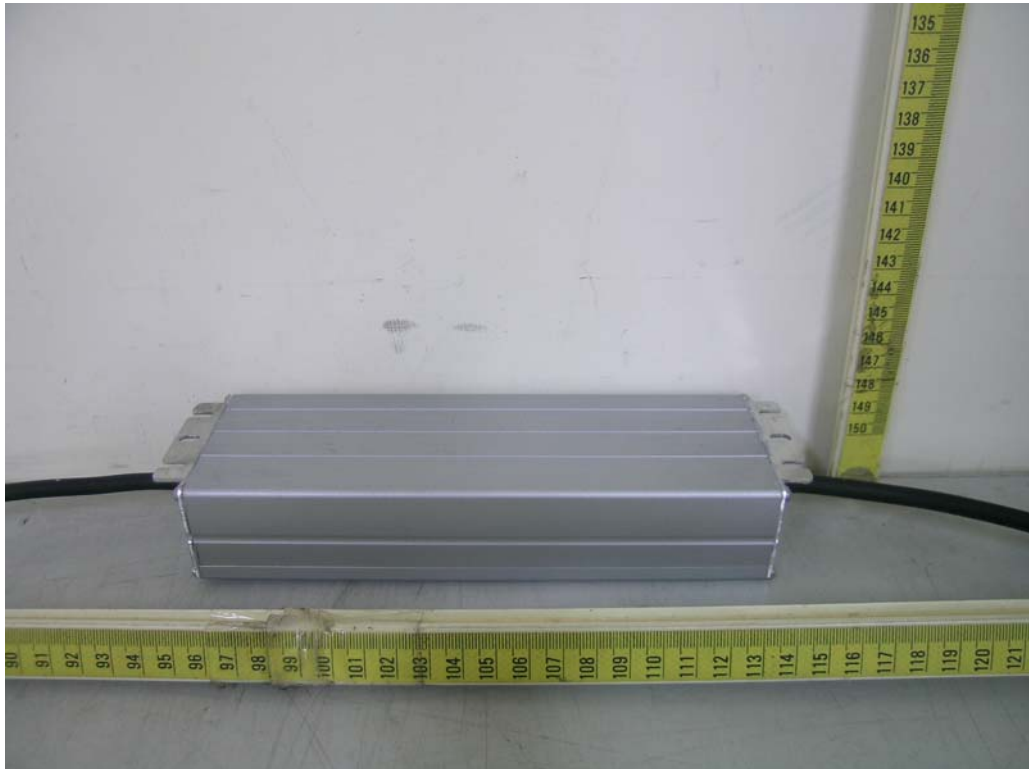
LED Driver : IPX5 Test Photo



LED Driver : Appearance



LED Driver : Appearance



LED Driver : Inside



LED Driver : Inside





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ANNEX A

Model : GP-LSYYYYPH-XXXAZZZ

YYY=120,150 XXX=086,115,172,227,343,099,107,113,143,210,284,428

ZZZ=maybe any character or number or blank for marketing purpose only