



Reliability Laboratory

TEST REPORT

Report No. : HCO0059A/2007

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Date : October 15, 2007

WANSTAR TECHNOLOGY CO., LTD.
NO.100, SINGFU E. RD., SINJHUANG CITY,
TAIPEI COUNTY, TAIWAN, R.O.C.



The following merchandise was submitted and identified by the vendor as:

Product Description: LED Lamp
Style/ Item No.: WS-S60/ No.1
Quantity: total 1 piece
Testing Period: Oct. 9, 2007

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required : (According to client's test specification, please see attached sheets in detail.)

- 1. Temperature Rise test

Test Results : -PLEASE SEE ATTACHED SHEETS-

Signed for and on behalf of
SGS TAIWAN Ltd.

Terence Hsieh
Asst. Manager



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1. Temperature Rise test:

Test Equipment:

Name	Brand	Model	Serial No.
Data Acquisition System	Fluke	2680A	8709005
AC Power Source	EXTECH	6205	1140244

Lab Environmental Conditions:

Ambient temperature: 25±3°C
 Relative humidity: 55±20%RH

Test Method/ Specification:

Test method: Measure the temperature rise value of the designated positions on the exterior of the case.

Sample condition: Connect the specimen with rated voltage (110V_{AC} and 220 V_{AC}) separately to light the LED of specimen under this test.

Measuring positions: Position 1 ~ Position 4 (as shown in photo 1, 2)

Test duration: Until thermal stability achieve.

- Record power consumption and rated current of specimen under this test.

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Specimen:

Style/ Item No.: WS-S60/ No.1

Quantity: total 1 piece

Test Result:

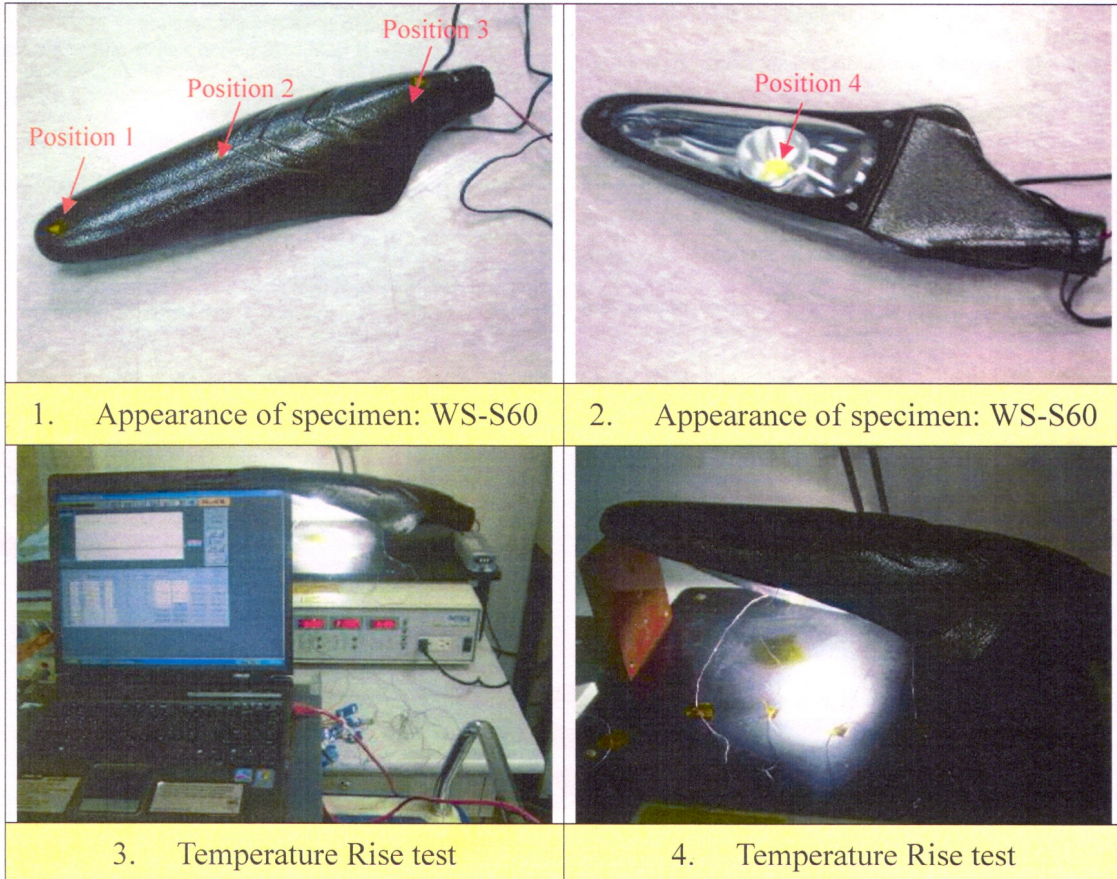
Test Item Style/ Item No.		Temperature Rise Value Measurement (110V _{AC})			Temperature Rise Value Measurement (220V _{AC})		
		Initial Temperature	Final Temperature	Temperature Rise Value (ΔT)	Initial Temperature	Final Temperature	Temperature Rise Value (ΔT)
WS-S60/ No.1	Position 1	24.55°C	46.65°C	21.10	24.16°C	47.45°C	23.29
	Position 2	25.08°C	49.71°C	24.63	24.14°C	51.28°C	27.14
	Position 3	25.09°C	39.96°C	14.87	24.17°C	41.68°C	17.51
	Position 4	24.95°C	38.37°C	13.42	24.03°C	40.14°C	16.11
	Ambient Temperature	24.38°C	24.99°C	0.61	23.89°C	25.62°C	1.73

Test Item Style/ Item No.	Power Consumption (110V _{AC})	Rated Current (110V _{AC})	Power Consumption (220V _{AC})	Rated Current (220V _{AC})
WS-S60/ No.1	63.6W	0.61A	62.9W	0.31A

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Test Photos:



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