



Reliability Laboratory

TEST REPORT

Report No.: HC40011/2008
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Date: March 4, 2008

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: Apr. 2, 2008

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 following sheets in detail.)
1. Vibration 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. Vibration test:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B34	121615

Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

Test Method/ Specification:

Sample condition: Operating

Weight: 4.30 kgw

Wave form: Random

Frequency: 50~500 Hz

Frequency (Hz)	Left Slope (dB/Oct.)	PSD (G ² /Hz)	Right Slope (dB/Oct.)
50	-	0.01	0
500	0	0.01	-

⇨ equivalent to 2.12 Grms

Direction: X, Y, Z axes (see photo 4 ~ 9)

Duration: 60 minutes / axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated voltage (110V_{AC} and 220 V_{AC}) separately to examine whether the LED of specimen could be lighting normally or not



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Specimen:

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

Quantity : 1 piece

Test Result:

<div style="text-align: center;">Check Item</div> <div style="text-align: left;">Style/ Item No.</div>	<div style="text-align: center;">Appearance Check (Visual check)</div>	<div style="text-align: center;">Functional check</div>
<div style="text-align: center;">WS-S60/ No.1</div>	<div style="text-align: center;">No visible damage</div>	<div style="text-align: center;">Normal</div>

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Test Photos:



1. Appearance of specimen: WS-S60



2. Appearance of specimen: WS-S60



3. Functional check

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Test Photos--Continued:



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