

TEST REPORT

Report No.: HCO0311/2007

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Date: November 5, 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, No.2
Quantity: Total 2 pieces
Testing Period: Oct. 31, 2007 to Nov. 5, 2007

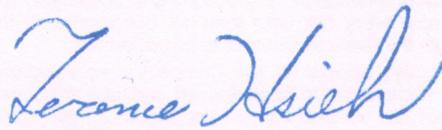
We have tested the submitted sample(s) as requested and the following results were obtained:

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

1. Dust test
2. Waterproof 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. Dust test:

Test Equipment:

Name	Brand	Model	Serial No.
Dust Tester	T-MACHINE	TMJ-9723C	T-23-050411

Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

Test Method/ Specification:

Test method: Reference to IEC 60529 Edition 2.1: 2001-02--IP6X (Dust test)

Sample condition: Non-operating

Type of dust: Talcum powder

The amount of dust: 2 kg

The chamber size: 1 m³

The maximum depression: -20 mbar

Test duration: 8 hours

- Examine the protection against ingress of dust of specimen and perform functional check after this test.
- Functional check: Connect the specimen with rated voltage (110V_{AC} and 220 V_{AC}) separately to examine the LED of specimen could be lighting normally or not?



Reliability Laboratory

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Specimen:

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

Quantity: 1 piece

Test Result:

Check Item Style/Item No.	Does any dust deposit inside the enclosure at the end of the test?	Functional check
WS-S60/ No.1	No	Normal

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2. Waterproof test:

Test Equipment:

Name	Brand	Model	Serial No.
IPX5 Water Jet Hose Nozzle Set	PTL	P03.26	5050565

Lab Environmental Conditions:

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

Test Method/ Specification:

Test method: Reference to IEC 60529 Edition 2.1: 2001-02--IPX5
 Sample condition: Non-operating
 Test means: Spraying the enclosure from all practicable directions with a stream of water from a standard test nozzle as specified in test standard.
 Internal diameter of the nozzle: 6.3 mm
 Delivery rate: 12.5 l/min ±5%
 Distance from nozzle to enclosure surface: between 2.5 m and 3 m
 Core of the substantial stream: circle of approximately 40 mm diameter at 2.5 m distance from nozzle
 Test duration: 3 minutes

- Examine the protection against ingress water of specimen and perform functional check after this test.
- Functional check: Connect the specimen with rated voltage (110V_{AC} and 220 V_{AC}) separately to examine the LED of specimen could be lighting normally or not?



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Specimen:

Style/ Item No.: WS-S60/ No.2

Quantity: 1 piece

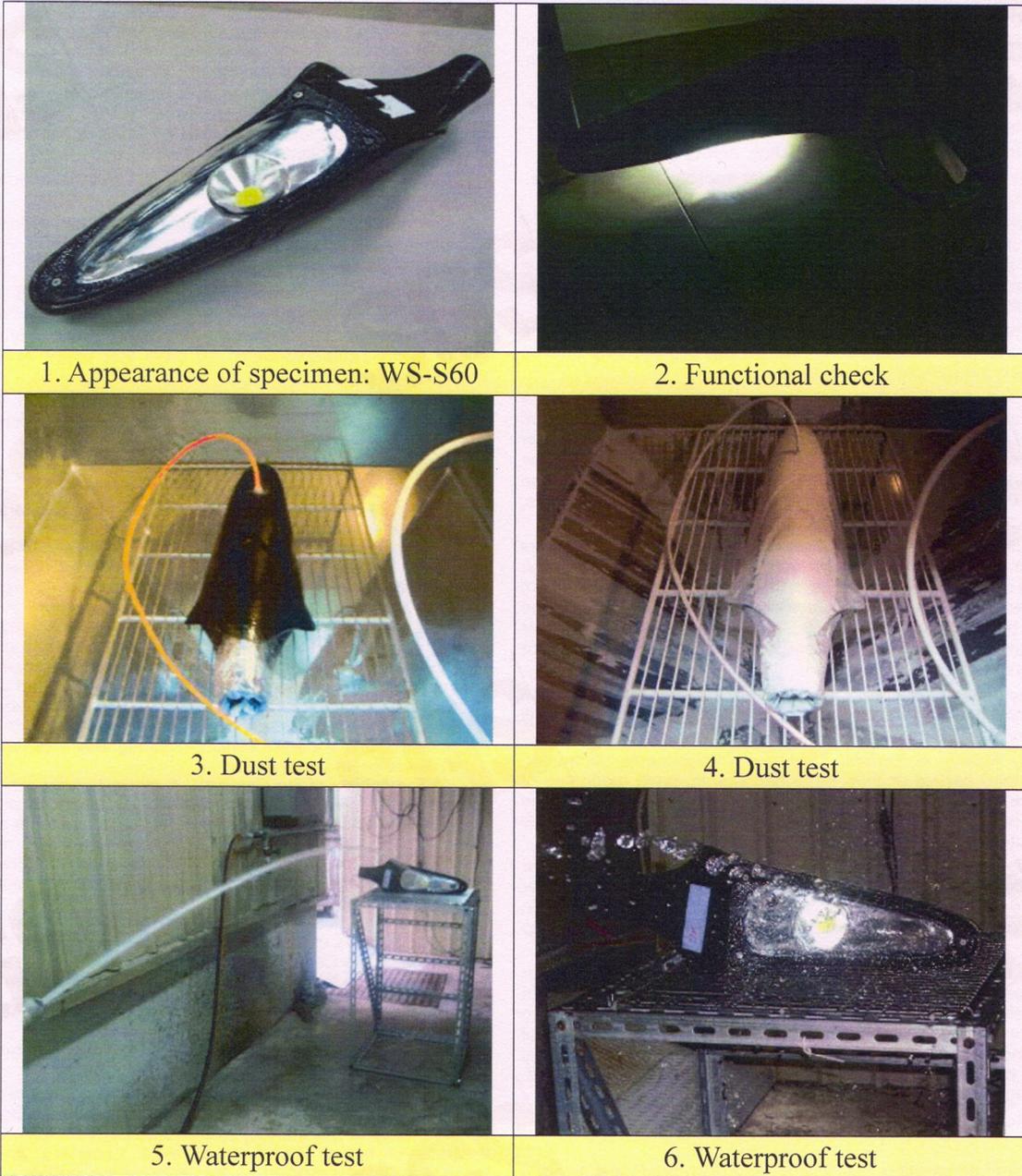
Test Result:

Style/Item No.	Check Item Does any water permeated into the specimen?	Functional check
WS-S60/ No.2	No	Normal

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Test Photos:



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