

# TEST REPORT

# SABS

Microtronix Manufacturing  
Attention: Ms Odette Norman  
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Randburg

Your ref.: O/No.MAT032942  
Our ref.: DE595A  
Enquiries: KD Dhimmar  
Tel.: 012 428-6220  
Report No.: 2330/ DE595A  
Date: 05-11-2010  
Page: 1 of 3

## SECONDARY LIGHTS FOR MOTOR VEHICLES

### 1. DESCRIPTION OF SAMPLE

The sample consisted of a rear stop/position light equipped with an array of LED's. The light consisted of a black plastic housing approximately 105 mm in diameter and 20 mm deep. The circuitry was mounted inside the housing. The front opening was permanently covered with a red lens. Flying leads were provided for the connection to the supply.

The lens was marked as follows: " TOP SANS 1376-3  
R-S1"

The housing was marked as follows: " WHITE = -Ve SOLID= +Ve  
STRPE= =+Ve Function 12V-24V".

### 2. TESTS REQUESTED

The testing of a LED rear stop/position light for compliance with the requirements of standard SANS 1376-3:2006, 'Lights for motor vehicles', Part 3 'Secondary lights' as referenced to in VC 8050.

See page 3 for the photographs of the sample.

### 3. CONCLUSION

The LED rear stop/position light complied with the requirements of standard SANS 1376-3:2006, 'Lights for motor vehicles', Part 3 'Secondary lights' as referenced to in VC 8050. See Table 1.

SANAS Accredited Testing Laboratory No. T0085

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\*Obtainable upon request from the Chief Executive Officer, SABS, Private Bag X191, Pretoria, 0001.

**4. SAMPLE SUBMITTED**

The sample received in a condition suitable for testing.

Date sample received : 28-09-2010  
 Starting date of test : 11-10-2010  
 Completion date of test : 04-11-2010

**5. TEST METHOD**

The tests were conducted in accordance with the methods described in section 5 of SANS 1376-Part 3.

**6. TEST RESULTS**

The results of the tests are given in Table 1.

**TABLE 1 — SECONDARY LIGHTS**

PROPERTY	CLAUSE	RESULTS
General construction	Clause 3.1	Complied
Lamps	Clause 3.2	Not applicable
Grouped, combined and incorporated lights	Clause 3.3	Complied
Colour	Clause 3.5	Complied
Chromaticity co-ordinates	Clause 3.6	Complied
Stop light		See Annex A
Position light		See Annex B
Photometric properties	Clause 3.9	Complied
Stop light		Complied See Annex C-F
Position light		Complied See Annex G-L
Marking	Clause 4	Complied

This test was performed by SABS Commercial (Pty) Ltd,.

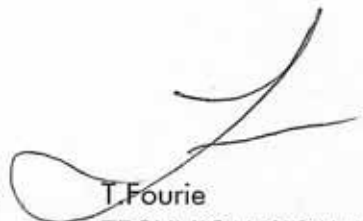
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Tested by: KD Dhimmar  
TEST OFFICER  
LIGHTING TECHNOLOGY



Checked by: AM Rocha  
TEST OFFICER  
LIGHTING TECHNOLOGY



T. Fourie  
TECHNICAL SIGNATORY  
LIGHTING TECHNOLOGY

PHOTOGRAPH OF THE SAMPLE

