

ABC Marketing

4800 Eastland Drive Elkhart, IN 46516 Phone (574)293-9399 Fax (574)293-5801

TEST REPORT 151110-3225952

Report Date: 10 November 2015

Test Component: ABC Marketing 3225952 Red 3-LED

ID lamp

Devices Tested: Three (3) each submitted 20 October 2015

Test Summary (FMVSS-108)

Photometric Tests – Identification Lamp Rear

SAE J592e (Identification Lamp Rear) PASSED

Mechanical Tests per SAE J575e **PASSED** Vibration **PASSED** Moisture **PASSED** Thermal **PASSED** Durability **PASSED LED Life PASSED** Color (SAE J578c) **PASSED Dimensional Tests PASSED**

Socket Tests per SAE J567b

Not Applicable

Dimensional Tests PASSED

Signature of responsible engineer:

Say / Robin

DESCRIPTION SHEET

Device Name: ABC Marketing 3225952 Red 3-LED

ID lamp

Markings:

Lens: "DOT ISTP214

Housing: None

Lens Information:

Material: Polycarbonate (Red transparent) Shape/Dimensions: 393 mm L x 31 mm W x 11mm H

Attachment Method: Vibration welded to body

Gasket: None

Housing:

Material: Polycarbonate (Black))

Shape/Dimensions: 393 mm L x 31 mm W x 17 mm H

Attachment Method: Vibration welded to lens

Gasket: 23 mm L x 20 mm W x 2 mm H

BULB	FUNCTION	QUANTITY	VOLTAGE	
LED	P2 (Red)	3	14V	

Note: lens complies with SAE J576 JUL 91 requirements as specified in FMVSS 108.

TEST RESULT SHEET

Device Name: ABC Marketing 3225952 Red 3-LED

ID lamp

Photometric Tests:

Specification(s): FMVSS-108 (SAE J592e)

Tests performed by: Gary I. Robin

Results: Meets requirements at all points for:

SAE J592e (Marker Lamp – P2)

Test distance: 100 feet

Photometry test voltage: 14.00V

Lens area requirements:

Lamp is an identification lamp.

Lens area requirements are not applicable.

Bulb socket requirements – SAE J567b:

The bulb socket requirements are not applicable because the lamp is a sealed unit.

TEST RESULT SHEET

Device Name: ABC Marketing 3225952 Red 3-LED

ID lamp

Mechanical tests: SAE J575e
Test performed by: Gary I. Robin

Sample: 3

Vibration test (Shock test).

There was no evidence of material physical weakness, lens or reflector rotation, displacement or rupture of components.

LEDs were not damaged. PASSED

Moisture Test:

Lamp had 0cc of moisture accumulation inside of its cavity

 $(\leq 2$ cc required).

Dust Test:

No dust was found on the interior surfaces of the device. The maximum candlepower after external cleaning was

at least 100% of the HV candlepower prior to exposure. NOT REQUIRED

Corrosion Test:

There was no evidence of excessive corrosion which

would affect the proper functioning of the device. NOT REQUIRED

Thermal Test: PASSED

There was no evidence of reduced function from

temperature or humidity. PASSED

Durability Test: PASSED

LED Life Test:

Lamp is not blinking, blackening or shutting off after

1000 hrs. PASSED

TEST DATA SHEET

Device Name: ABC Marketing 3225952 Red 3-LED

ID lamp

Test Item	Chroma Test per SAE J578C
Test Date	7/1/2015
Equipment	power Supply, chroma Meter

Test Condition:

1. 23~28° C

2. Voltage: 14.00 V.

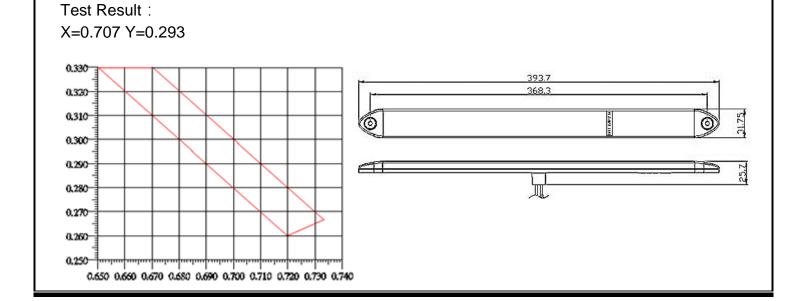
Test Method:

Mount specimen on tooling, chroma test at a distance of 1.5 m using CIE fixture.

Determined Standard:

Y≦0.33 (yellow boundary)

Y≧0.98-X(purple boundary)



Result: PASSED SAE J578C color test

Day 1 Palmi

By:

PHOTOMETRIC TEST DATA SHEET

Device Name: ABC Marketing 3225952 Red 3-LED

ID lamp

Sample number: 1

Specification:

SAE J592e (Red Clearance, ID or Sidemarker Lamp (P2)

Voltage: 14.0 V (Device tested after 30 minute warm-up)

Current: 20 mA

<u>LOCATION</u>	MEASURED CP	REQUIRED MIN CP	MAX CP
10U 45L	1.21	.25	15
10U V	9.91	.25	15
10U 45R	1.33	.25	15
H 45R	1.38	.25	15
H V	12.04	.25	15
H 45L	1.24	.25	15
10D 45L	1.25	.25	15
10D V	10.32	.25	15
10D 45R	1.32	.25	15
Zone 1	3.83	0.75	
Zone 2	32.27	0.75	
Zone 3	3.88	0.75	

Device meets SAE J592e P2 requirements at all points.

Day 1 Palmi

By:

Reviewed and approved for submittal by:

Gary I. Robin

Responsible Engineer

Day 1 Palmi

November 11, 2015