

TEST REPORT

Project No.: H1-40011

Equipment Under Test: LED Luminaire

Manufacturer : ROSHANA FANAVARI ALEF Co. (ALEF Lighting Group)
Type : ALE150-EX (empty enclosure)
Rating : 85-265V, 50 Hz, 150 w, 1 module

Non-Transmission Test:

Client request (According to EN 60079-1 clause 15.3.3.4)

Applicant: ROSHANA FANAVARI ALEF Co. (ALEF Lighting Group)

No. Pages

5

Issue date

28-Oct-2018

Prepared by: Test Engineer

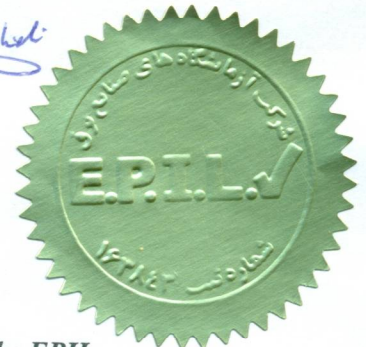
B. Hamidifard

Verified by: Technical Manager

S. Jamshidi

Approved by: CEO

S. M. Mirsadri



This report should not be reproduced in extracts without written approval by EPIL.

Test results pertain to the tested sample only.

Not Valid Without Lab Stamp.

CONTENTS

	Page
1 GENERAL INFORMATION	3
1.1 Product Information	3
1.2 Client Information	3
1.3 Test Results and Descriptions	3
2 PERFORMANCE AND RESULTS OF TESTS	4
2.1 Test for non-transmission of an internal ignition.....	4
3 FIGURE	5



***This report should not be reproduced in extracts without written approval by EPIL.
Test results pertain to the tested sample only.
Not Valid Without Lab Stamp.***

28-Oct-2018

H1-40011

Page 3 of 5

LQF-510-02

1. GENERAL INFORMATION

1.1. Product Information

Manufacturer : ROSHANA FANAVARI ALEF Co. (ALEF Lighting Group)
Type : ALE150-EX (empty enclosure)
Rating : 85-265V, 50 Hz, 150 w, 1 module

1.2. Client Information

Applicant : ROSHANA FANAVARI ALEF Co. (ALEF Lighting Group)
Tel : (+98) 021 – 65612755-6
Fax : (+98) 021 - 65612755

1.3. Test Results and Descriptions:

See page 4.



***This report should not be reproduced in extracts without written approval by EPIL.
Test results pertain to the tested sample only.
Not Valid Without Lab Stamp.***

2. PERFORMANCE AND RESULTS OF TESTS

2.1. Test for non-transmission of an internal ignition

2.1.1 Test data

Location	: EPIL
Engineer of EPIL	: Mr. Hamidi
Normative document	: IEN 60079-1

2.1.2 Ambient conditions

Ambient Temperature	: 23 °C
Humidity	: 33 %
Pressure	: 86.5 kPa

2.1.3 Procedure of test

The gaps i_E of the enclosure shall be at least equal to 90 % of the maximum constructional gap i_C as specified in the manufacturer's drawings ($0.9 i_C \leq i_E \leq i_C$).

The test mixtures to be used consist of the following, in volumetric ratio and at atmospheric pressure:

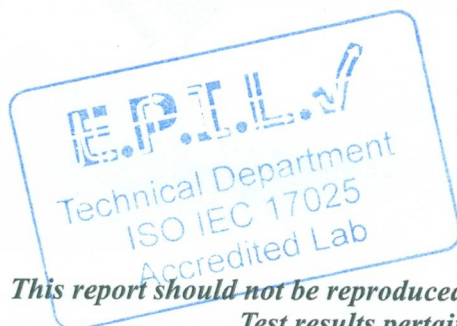
- (40±1) % hydrogen, (20 ± 1) % oxygen and the rest nitrogen; and
- (10±1) % acetylene, (24 ± 1) % oxygen and the rest nitrogen.

The tests shall be carried out five times with each test mixture. For devices intended for use only in hydrogen, only test mixture a) is required.

2.1.4 Result of test

The test was done according to standard and it passed the test.

✓ PASSED



*This report should not be reproduced in extracts without written approval by EPIL.
Test results pertain to the tested sample only.
Not Valid Without Lab Stamp.*

