

TEST REPORT

Number: C/191891I2

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(**) Activities marked are not covered by the ENAC accreditation

SORT OF TEST Sine swept vibration

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SPAIN

SAMPLE IDENTIFICATION Luminaire: "Farm Led: Q0959"

DATE/S OF TEST 28/06/2019

DATE OF RECEPTION 24/06/2019

OBSERVATIONS

Authorized signatory/ies Date of issue 03/07/2019

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SAMPLE DESCRIPTION AND PERFORMED TESTS

Sample description (***)

(***): Information provided by the applicant. The laboratory is not responsible for such information

ITAINNOVA sample code	Applicant Identification
C/191891/1	Luminaire "Farm Led" Model: Q0959 SN: 190621



Picture 1. Sample description.



Picture 2. Sample identification: on the luminaire (Left) // on the packaging (Right).

Performed test

Acceptance Criteria:

- Visual inspection:
 - o Absence of disassembled or deformed parts.
 - o Absence of damaged or deformed parts.
- Functional verification:
 - The luminaire keeps switched on during the test.

Test results

ITAINNOVA sample code	Standard	Type of test	Result
C/191891/1	UNE-EN 60068-2-6: 2008 (Vibration profile according to the definition included in the standard: UNE-EN 60598-1:2009 Section. 4.20) (**)	Sine swept vibration	O

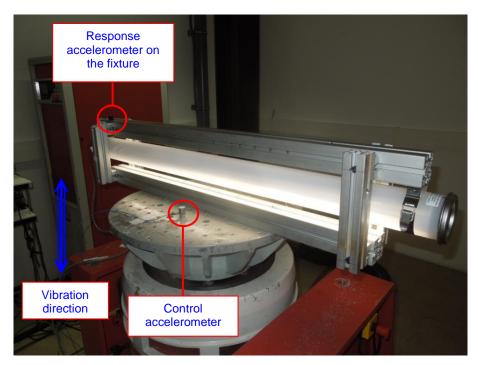
C= Compliance. NC= No Compliance. NA= Not Apply



TEST EQUIPMENT AND TEST SET UP

Test equipment					
Denomination	Identification code				
Vibration shaker LDS, model V830A	2PG61052-370				
Controller, LDS Dactron LASER USB	2PG61052-370-02				
Slip table (for horizontal tests), LDS LPT 600-C	2PG61052-370-07				
Control accelerometer, PCB 353B31	2PG61052-432				
Test set up remarks					

- The luminaire is tested in its more demanding position (hanged from the ceiling). With this purpose, it is built a fixture strong enough to allow the disposition of the sample in the mentioned position.
- The luminaire keeps switched on during test execution.



Picture 3. Test set-up.



SINE SWEPT VIBRATION TEST

Test conditions						
Standard		UNE-EN 60068-2-6: 2008				
	(Vibration profile according to the definition included in the standard: UNE-I 60598-1:2009 Section. 4.20) (**)			the standard: UNE-EN		
Type of vi	bration	Sine swept				
Axis	Frequency	Amplitude	Swept rate	Duration		
Vertical	10 a 55 Hz.	0,35 mm. (Pk-Pk)	1 Octaves/min	30 min.		
Test set-up		According to picture 3				
Control st	rategy	By means of an accelerometer on the vibration surface				
Evaluation method		Visual inspection after test Functional check during and after test				

Control curves

- Control curve (white line): it is within the tolerance range established in the UNE-EN 60068-2-6: 2008 standard.
- Response curve on the fixture (blue line): no resonances (amplification >2) are pointed in the tested frequency range.

