Test report issued under the responsibility of:

TEST REPORT
EN 60695-2-11
Fire hazard testing.
Part 2-11: Glowing/hot-wire based test method.
Glow-wire flammability test method for end-products (GWEPT)

Test Report number. .....:	SAFEONOKT210101.00
Tested by (name + signature) .....: Laboratory Technician	Carlos Royo
Approved by (name + signature).....: Technical Director (Document signed by means of electronic signature)	David Latorre
Date of issue.....:	01-04-2021
Total number of pages .....:	9
Applicant's name.....:	ONOK LUZ TÉCNICA, S.L.
Address .....:	Polígono Industrial B, Parcela 3 46800 Xàtiva (Valencia – Spain)
Testing laboratory .....:	IMQ TECNOCREA, S.L.
Address .....:	C/ Sèquia de Benàger, 23. Pol. Ind. Alquería de Moret 46210 Picanya (Valencia – Spain)
Test specifications:	
Standard .....:	EN 60695-2-11:2014
Test procedure .....:	CE SAFE
Non-standard test method.....:	N/A
Test Report Form No.....:	03EN60695_2_11_03
Test Report Form(s) Originator .....:	Tecnocert
Master Test Report Form .....:	Dated 10-2020

The reflected results are property of the applicant and without his/her previous authorisation they will not be communicated to a mediator.

Testing laboratory accepts no responsibility for damages resulting for use or improper interpretation of the information contained in this document.

Test item description .....:	Glowing/hot-wire based test method
Trade mark .....:	onok lighting
Manufacturer .....:	ONOK LUZ TÉCNICA, S.L.
Model/Type reference .....:	FOCUS 95 / FCS9A95D33BWB
Colour .....:	White
Dimension (mm) .....:	160mm x 90mm (Ø)
Mass per unit area (kg/m^2) .....:	N/A

The tests marked with * are not covered by the accreditation of ENAC

ilac-MRA ENAC ENSAYOS Nº 1078/LE2135

Summary of testing: The luminaire ONOK reference FCS9A95D33BWB **is accordant** with the glow wire test at 850ºC analysed in this test report.

Test performed (name of test and clause):	**Testing location:**
- EN 60695-2-11:2014 Relevant specification EN 60598-1:2015 + AC:2015 + AC:2016, subclause 13.3.2	IMQ TECNOCREA, S.L. C/ Sèquia de Benàger, 23 Pol. Ind. Alquería de Moret 46210 Picanya (Valencia – Spain)

Possible test of verdicts:

- test case does not apply to the test object..... : N/A
- test object dos meet the requirement..... : P (Pass)
- test object does not meet the requirement..... : F (Fail)

Testing:

Date of receipt of test item ..... : 11-03-2021

Date (s) of performance of test..... : 17-03-2021 to 31-03-2021

Environmental conditions:

Temperature (min. / max.)..... : 21ºC / 25ºC

Relative humidity (min. / max)..... : 37% / 51%

General remarks:

ENAC is signature of EA (European co-operation for Accreditation) Multilateral Agreement on test matters.

The test results presented in this report relate only to the object tested.

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When decision rule for the statement of conformity is not inherent in the standard, then the binary statement for simple acceptance (or reject) rule is applied (w=0). In this case, the risk of false acceptance (or false reject) is up to 50%.

Uncertainties of measurements are calculated and available to the customer. Even if not required, the laboratory has estimated the measurement uncertainty in according to IMQ TECNOCREA Internal Procedure PTG_TECNO_05, in order to ensure compliance with the IEC Guide 115 “Application of uncertainty of measurement to conformity assessment activities in the electrotechnical sector”. Moreover, Internal Procedure PTG_TECNO_03 ensures that the requirements for traceability of calibrations, of all test equipment requiring calibration, and calibration intervals are met. Internal Procedure are to be assumed in the current version at the time of the TR issue.

"(See Enclosure #)" refers to additional information appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

General product information:

The luminaire reference FCS9A95D33BWB includes the same components as reference FCS8A80D33BWB.

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Clause	Requirement + Test	Result - Remark	Verdict
4	**TEST SPECIMENS**		—
4.2	Complete end product	Yes ☒ No ☐	—
4.3	Partial en product (alternative)		
	a) cut a piece containing the part under examination from a complete and assembled end product, or	Yes ☐ No ☒	—
	b) cut an aperture in the complete end product to allow the glow-wire access, or	Yes ☐ No ☒	—
	c) remove the part under examination in tis entirety and test it separately	Yes ☐ No ☒	—
5	**TEST APPARATUS**		—
	Specified layer used ..... :	Silk paper	—
	Vertical distance to the glow wire point of application ..... :	201mm	—
7	**CONDITIONING**		—
7.1	Conditioning of test specimens (24h, temp. 15ºC-35ºC / HR 45%-75%)		P
7.2	Conditioning of specified layers (24h, temp. 15ºC-35ºC / HR 45%-75%)		P
7.3	Testing conditions (24h, temp. 15ºC-35ºC / HR ≤75%)		P
	Testing completed within 30 min after specimen removed from conditions specified in 7.1 (min.)... :		P
8	**TEST PROCEDURE**		—
8.1	Surface tested and points of application ..... :	(see annex 1)	—
8.2	Test temperature ..... :	850ºC	—
8.3	Number of test specimens..... :	1	—
9	**OBSERVATIONS AND MEASUREMENTS**		—
	Results..... :	See table 9	—
	Burning material is withdrawn with the glow-wire. :	Yes ☒ No ☐	—
	Specimen is totally burned ..... :	Yes ☐ No ☒	—
	Ignition of the layer placed underneath the specimen ..... :	Yes ☐ No ☒	—

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Clause	Requirement + Test	Result - Remark	Verdict

10	**EVALUATION OF TEST RESULTS**		—
	Classification according to GWEPT (ºC) ..... :	850	—
	a) there is no ignition, or		P
	b) all the following situations are applied:		P
	i) Flames or glowing combustion of the test specimen extinguish within 30s after removal of the glow wire; and		P
	ii) Layer place underneath the test specimen does not ignite.		P

9	**TABLE: Measurements**				—
Part under test ..... :	Holder				
Material designation ..... :	N/A				
Test temperature (ºC)	**Ignition (Yes/No)**	**Time of application t_A (s)**	**Time to ignition t_i (s)**	**Time to extinguishment t_E (s)**	
850	Yes	30	5	9	
Supplementary information:					
Part under test ..... :	Terminal block				
Material designation ..... :	N/A				
Test temperature (ºC)	**Ignition (Yes/No)**	**Time of application t_A (s)**	**Time to ignition t_i (s)**	**Time to extinguishment t_E (s)**	
850	Yes	30	1	3	
Supplementary information:					
Part under test ..... :	Convertor				
Material designation ..... :	N/A				
Test temperature (ºC)	**Ignition (Yes/No)**	**Time of application t_A (s)**	**Time to ignition t_i (s)**	**Time to extinguishment t_E (s)**	
850	Yes	30	3	5	
Supplementary information:					
Part under test ..... :	Reflector				
Material designation ..... :	N/A				
Test temperature (ºC)	**Ignition (Yes/No)**	**Time of application t_A (s)**	**Time to ignition t_i (s)**	**Time to extinguishment t_E (s)**	

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850	No	30	0	0
Supplementary information:				
Part under test ..... :	Ring (support reflector and glass)			
Material designation ..... :	N/A			
Test temperature (ºC)	**Ignition (Yes/No)**	**Time of application t_A (s)**	**Time to ignition t_i (s)**	**Time to extinguishment t_E (s)**
850	Yes	30	1	10
Supplementary information:				

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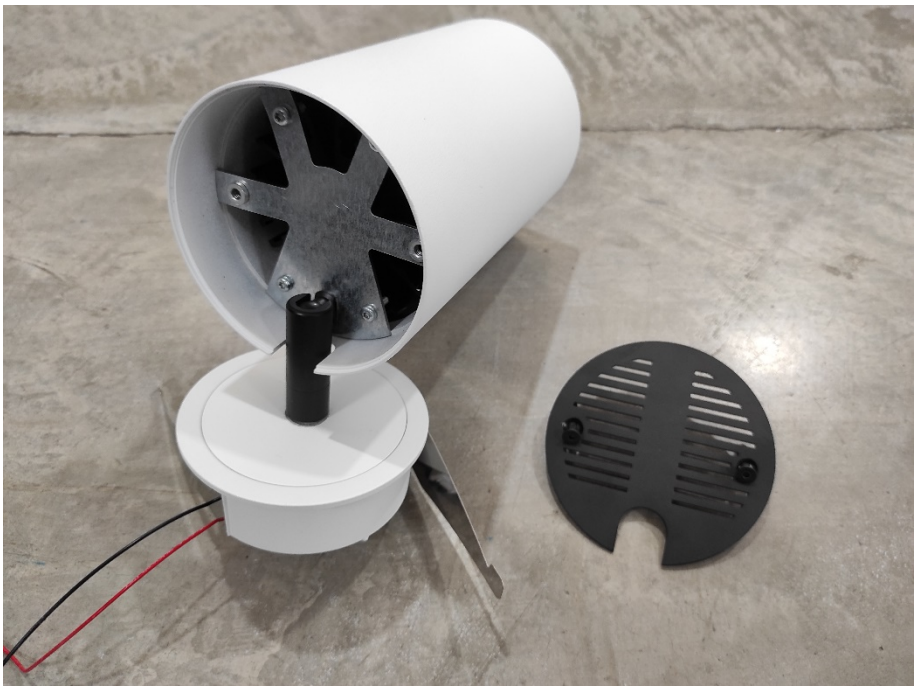
	ANNEX 1: Photos	—



EN 60695-2-11			
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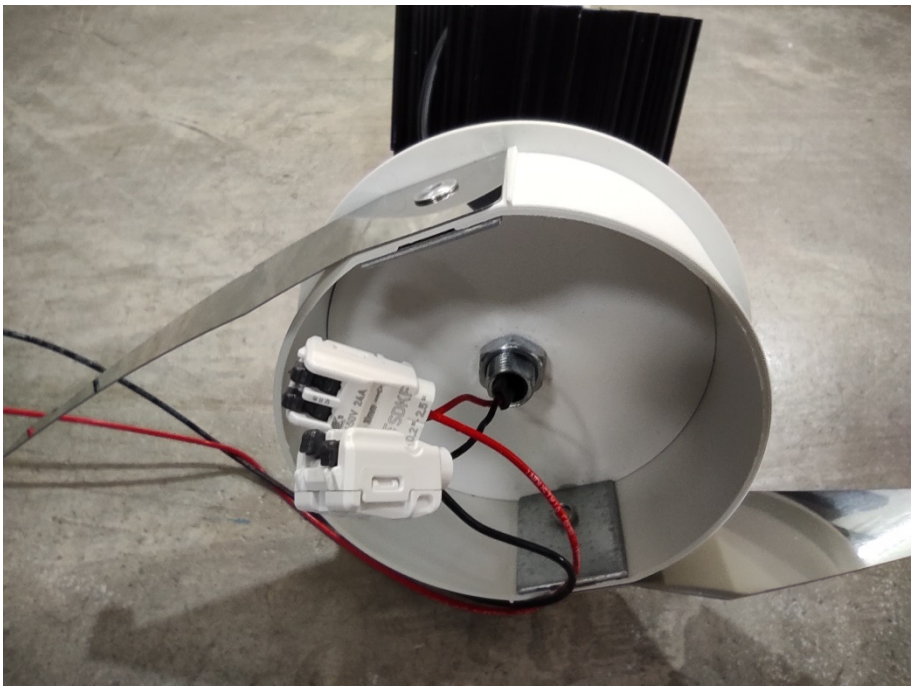

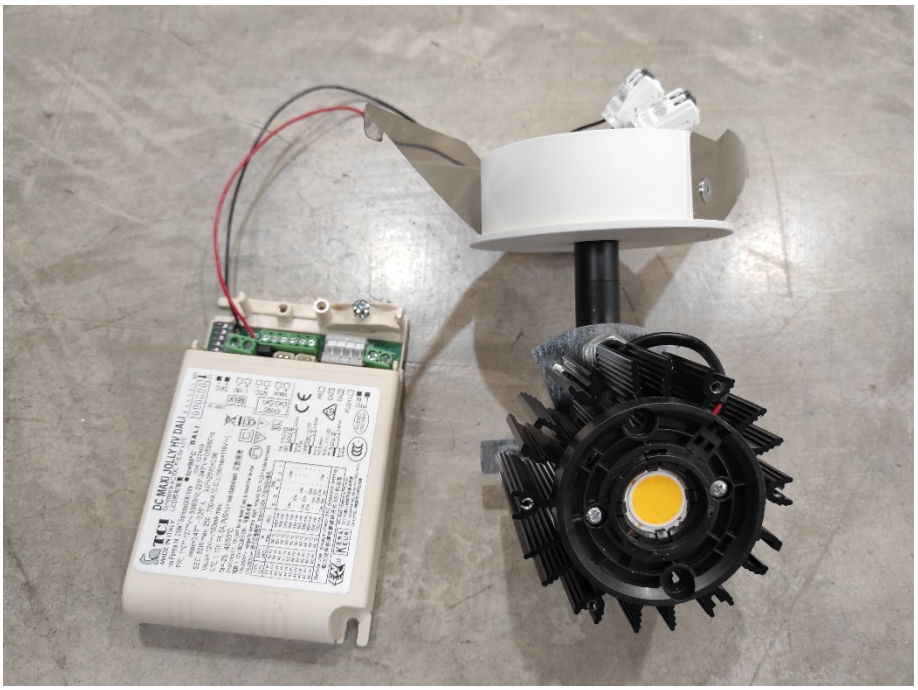

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Clause	Requirement + Test	Result - Remark	Verdict