



CPR - DECLARATION of PERFORMANCE

N° 2831-CPR-F4382
(Conformity EU 305/2011)

1. Unique identification code of the product-type:

Model No.:	Brand:	Supplier:
ARF-WL8-O		
KM-WL8-O	K-Mesh	ASI Oy Ltd.
EK-WL8-O	EKHO	

2. Type, batch or serial number or any other element allowing identification of the construction product as required under article 11(4) of the CPR:

ARF-WL8-O	Wireless Optical Smoke Detector
KM-WL8-O	Wireless Optical Smoke Detector
EK-WL8-O	Wireless Optical Smoke Detector

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

For use in compatible fire detection and alarm system

4. Name, registered trade name or registered trade mark and contact address of the manufacturer:

ASI Oy Ltd.
Laitaatsillantie 3
Savonlinna
57170
Finland
asioy.fi

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in article 12(2):

N/A

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 1



7. In case of the declaration of performance concerning a construction product covered by harmonized standards:

EN54-7:2018
EN54-25:2008

BRE Global Assurance (Ireland) Limited, N.B. No. 2831, performed the necessary initial inspection of the manufacturing plant and the factory production control together with ongoing continuous surveillance and issued the following certificates confirming constancy of the conformity of the factory production control

Product code:	LPCB Certificate no.:	LPCB ref. no.:	CPR Reference:
ARF-WL8-O			
KM-WL8-O	1571b	1571b/01	2831-CPR-F4382
EK-WL8-O			

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

N/A

9. Declared performance:

ESSENTIAL CHARACTERISTICS	CLAUSE APPLICABLE	PERFORMANCE	HARMONISED STANDARD
Nominal activation conditions / Sensitivity, Response delay (response time) and performance under fire conditions	4.8, 5.2, 5.3, 5.4, 5.6, 5.7, 5.18	PASS	EN54-7:2018
Operational reliability	4.2 to 4.7, 4.9 to 4.11	PASS	
Tolerance to supply voltage	5.5	PASS	
Durability of operational reliability, temperature resistance	5.8, 5.9	PASS	
Durability of operational reliability, vibration resistance	5.13 to 5.16	PASS	
Durability of operational reliability, humidity resistance	5.10, 5.11	PASS	
Durability of operational reliability, corrosion resistance	5.12	PASS	
Durability of operational reliability, electrical stability	5.17	PASS	



ESSENTIAL CHARACTERISTICS	CLAUSE APPLICABLE	PERFORMANCE	HARMONISED STANDARD
Performance parameters under fire conditions	4.1, 4.2.2, 5.2, 8.3.7	PASS	EN 54-25:2008
Response delay (response time to fire)	8.2.3, 8.2.6	PASS	
Operational reliability	4.2.1, 4.2.3 to 4.2.7, 5.3, 5.4, 6, 7, 8.2.2, 8.2.4, 8.2.5, 8.2.7, 8.2.8, 8.2.9, 8.3.1, 8.3.2, 8.3.3, 8.3.4, 8.3.5, 8.3.6	PASS	
Durability of operational reliability, temperature resistance	8.3.9, 8.3.10, 8.3.11	PASS	
Durability of operational reliability, vibration resistance	8.3.16, 8.3.17 to 8.3.19	PASS	
Durability of operational reliability, humidity resistance	8.3.13, 8.3.14	PASS	
Durability of operational reliability, corrosion resistance	8.3.15	PASS	
Durability of operational reliability, electrical stability	8.3.20	PASS	

10. This declaration is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

**Tony Betka – Chief Executive Officer
ASI Oy Ltd., Savonlinna, FINLAND**

10 November 2022