

FIRE SAFETY CERTIFICATION

PRODUCT APPROVAL

No. **APF-1959**

LGAI TECHNOLOGICAL CENTER S.A. (APPLUS), according to the requirements of the SPC-102 Ed. 7, certifies the performances stated in the technical annex following the reference standard for:

Product range	MCR-PROLIGHT
Company	MERCOR, S.A. UL. GRZEGORZA Z SANOKA 2 80-408 GDANSK (POLAND)
Manufactured	MERCOR, S.A. STREET KWARCOWA 3 83-031 CIEPLEWO, POLAND
Standard Reference	EN 12101-2:2003 "Smoke and heat control systems. Part 2: specification for natural smoke and heat exhaust ventilators".
Product Details and Test Report	Please check at the technical annex file and the test reports nº FR-104-09-AUNE, FR 082/05 CPS (E) and FR-026-12-AUNE



Renovation of the initial certificate issued on 20th May 2022

Valid until 31st May 2025

Bellaterra, 24th May 2024

 LGAI Technological Center, S.A. Xavier Ruiz Peña Product Conformity B. U., Managing Director	
You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products	

This document is not valid without its technical annex, whose number coincides with the number of certificate.



APF-1959

Annex according to **EN 12101-2:2003**

SMOKE AND HEAT CONTROL SYSTEMS. PART 2: SPECIFICATION FOR NATURAL SMOKE AND HEAT EXHAUST VENTILATORS

CERTIFIED PERFORMANCES

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Nominal activation conditions/sensitivity	4.1 4.2	NA
Response relay (time relay)	7.1.2	NA
Operational reliability	7.1 7.4	NA
Effectiveness of smoke/hot gas extraction	6.	NA
Aerodynamic free surface	6.	NA
Performance parameters under fire conditions	7.5	30
Resistance to fire - Mechanical stability	7.5	B ₃₀₀
Ability to open under environmental conditions	7.2 7.3	NA
Fire reaction	7.5.2.1	NA

PASS; NPD = No Performance Determined; NA = Not Applicable

PRODUCT

Natural smoke and heat exhaust ventilator (NSHEV) "MCR-PROLIGHT".

Product range models:

Model	Actuator		Dimensions (width x length)
	Type	Reference	
MCR PROLIGHT Type E 180/250	Electric	SG80P/25-1050-8-2,5-4x NS	1937 x 2637 mm
MCR PROLIGHT type C 180	Electric	type SG80P/25-1050-8-2,5-4x NS	1937 x 1937 mm
MCR PROLIGHT Type DVP 300 x 300	Pneumatic	PUAV50	3200 x 3200 mm
MCR PROLIGHT Type NG-A 200/300	Pneumatic	PUAV 63/25-1050-10-12/6	2037 x 3037 mm

Smaller dimensions are allowed.

For smaller dimensions, its assembly, configuration and actuators shall be the same than the bigger dimensions.