According to Construction Products Council Regulation (UE) N° 305/2011

N : **DoP LUXLAME F OFE_indE**

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type:*

LUXLAME F OFE

2. *Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 paragraph 4:*
Information given on the tracking label :

Order confirmation Number + Product Number + Date of production

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

3.1 ***Product description:*** Natural smoke and heat exhaust ventilator (NSHEV) for wall installation with glass or insulated double skin aluminium blades.

3.2 Installation and implementation conditions in accordance with the certified performances

- Wall installation
- Dimensional range: **L** and **H** are the overall dimensions of the product

L = length in mm and H = width in mm

500 ≤ **L** ≤ 2 500 and 570 ≤ **H** ≤ 3 000 With 0,12 m² ≤ $\mathbf{A_v}$* ≤ 5,6m² *** Av = Lpa x Hpa = (L-80) x (H-76)**

3.3 Mode of operation:

Electrical opening and closing

	Standard	LS 24	LS 230	ML 24	ML 230
Power	24 W for 1 motor	29W for 1 motor	90W for 1 motor	36W for 1 motor	69W for 1 motor
Current	1 A for 1 motor	1.2 A for 1 motor	0.4 A for 1 motor	1.5 A for 1 motor	0.3 A for 1 motor
Voltage	24Vcc	24V	230V	24V	230V

3.4 Possible options :

Open / Close position switches

Thermal device release (according to the current standard).

4. *Name, registered trade name or trademark , in conformity with article 11, paragraph 5:*

Company name SOUCHIER – BOULLET SAS
Parc Segro – 42 rue de Lamirault
CS 20762
77090 COLLEGIEN
France

Production unit : SOUCHIER-BOULLET SAS
11 rue du 47ème R.A.
70400 HERICOURT
France

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

The notified body **TÜV Rheinland N° 0336** performed the determination of the product type on the basis of type testing, type calculation of the product, the initial inspection of the manufacturing plant and the factory production control and the continuous surveillance, assessment and evaluation of the factory production control under system 1 and issued the certificate of constancy of performance N°

CE Certificate N°0336 – CPR – 89207514.

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DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

9. *Declared performances :*

Harmonised technical specification: EN 12101-2:2003	Essential characteristics	Performance
	Nominal activation conditions / sensitivity, as:	
	Initiation device	present
	Opening mechanism	present
	Inputs and outputs	present
	Response delay (response time), as:	
	Reliability	≤ 60 s
	Opening under (snow, wind) load	
	Low ambient temperature	
	Fire Performance	
	Operational reliability, as:	
	Reliability	Re 1000 (+10 000), Type B
	Effectiveness of smoke/hot gas extraction, as:	
	Aerodynamic free area	$A_a = A_v^* \times Cv^{**}$
	Performance parameters under fire conditions, as:	
	Resistance to heat	B_{300} 30
	Mechanical stability	$\Delta A_{throat} < 10\,\%$
	Reaction to fire	A1
	Performance under environnemental conditions, as:	
	Opening under load	SL: NPD
	Low ambient temperature	T(00)
	Stability under wind load	WL 3000
	Resistance to wind-induced vibration (where included)	NPD
	Resistance to heat	B_{300} 30
	Durability, as:	
	Response delay (response time)	≤ 60 s
	Operational reliability	Re 1000 (+10 000)
	Performance parameters under fire conditions	≤ 60 s; $\Delta A_{throat} < 10\,\%$

** **Calculation of flow coefficient**

	Flow coefficient / Overall dimensions (mm)		
Numbers of blades	**500 ≤ L < 1 000**	**1 000 ≤ L < 1 500**	**1 500 ≤ L ≤ 2 500**
2 to 5	0,56	0,58	0,60
6 to 9	0,54	0,56	0,58
10 to 14	0,52	0,54	0,56

10. *The performance of the product identified in points 1 et 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.*

Signed for and on behalf of the manufacturer by: **David Maillart – R&D Manager**

The 28/03/2024
In Collégien