

EC-CERTIFICATE OF CONFORMITY

0336 - CPD - 34044

In compliance with Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive-CPD), amended by Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

Natural smoke and heat exhaust ventilator

Commercial name(s):

Lumera

placed on the market by
Brakel Aluminium B.V.

and produced in the factory
Brakel Aluminium B.V.

Linie 48
5405 AN Uden
The Netherlands

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the approved body 1234-Efectis Nederland B.V and 1368-IFI Institute for Industrial aerodynamics GmbH have performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control system are inspected by 0336-TÜV Rheinland Nederland B.V. and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

EN 12101-2

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 7th December 2010 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Apeldoorn, 1st July 2013

TÜV Rheinland Nederland B.V.
Boogschutterstraat 11A
NL – 7324 AE Apeldoorn
The Netherlands



Managing Director TÜV Rheinland Nederland B.V.

This certificate dated 1 July 2013 consists of 1 certificate and 1 annex of 2 pages

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Annex 1 (page 1 of 2)

Natural smoke and heat exhaust ventilator

Commercial name(s):

Lumera

Concerning a 'rooftype' ventilator with a single flap, electrically controlled.

Field of Application and classification:

Min. width [mm]	Max. width [mm]	Min. length [mm]	Max. length [mm]	Max. Surface m ²
700	3000	300	2000	3,5

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Annex 1 (page 2 of 2)

Natural smoke and heat exhaust ventilator

Commercial name(s):

Lumera

Concerning a 'rooftype' ventilator with a single flap, electrically controlled.

The classifications for this dimensional range are:

- Cv:

Nominal size	Exhaust flap without base in saddle roof				
	Coefficients of discharge without side wind influence				
	0°	30°	45°	60°	75°
$0.4 \leq H/W \leq 1.0$	0.00	0.46	0.55	0.61	0.64
$1.0 < H/W \leq 1.5$	0.00	0.52	0.59	0.63	0.65
$1.5 < H/W$	0.00	0.58	0.63	0.65	0.65

Nominal size	Exhaust flap without base in facade				
	Coefficients of discharge without side wind influence				
	0°	30°	45°	60°	75°
$0.4 \leq H/W \leq 1.0$	0.00	0.52	0.64	0.73	0.76
$1.0 < H/W \leq 1.5$	0.00	0.58	0.68	0.74	0.76
$1.5 < H/W$	0.00	0.66	0.73	0.76	0.76

Nominal size	Exhaust flap without base in roof horizontal				
	Coefficients of discharge without side wind influence				
	0°	30°	45°	60°	75°
$0.4 \leq H/W \leq 1.0$	0.00	0.46	0.55	0.61	0.64
$1.0 < H/W \leq 1.5$	0.00	0.52	0.59	0.63	0.65
$1.5 < H/W$	0.00	0.58	0.63	0.65	0.65

- Re 1000 (Dual purpose Re 10.000)
- SL 250, SL 500
- T(-15)
- WL3000
- B300

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