



CERTIFIKAT

Certificate of constancy of performance

0402 - CPR - SC0333-11

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

Natural smoke and heat exhaust ventilator

as specified in appendix to this certificate,
for use in smoke and heat control systems

Product name: DK 240

produced by or for

Optilite A/S
Bjerrevej 138
DK-8700 HORSENS
Denmark

and produced in the manufacturing plant

same as above

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 12101-2:2003

under system 1 are applied and that

the product fulfils all the prescribed requirements set out above.

This certificate was first issued on 2011-04-20 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Borås 2013-12-17

SP Technical Research Institute of Sweden
Certification, Notified Body No. 0402


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This is issue 2. 3P05579
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Natural smoke and heat exhaust ventilator, *DK 240*

For use in smoke and heat control systems, in construction works.
Dual purpose ventilator, intended for comfort ventilation as well as smoke and heat exhaust ventilation under fire conditions.

Dome shaped flap made of multiwall polycarbonate, thickness 10-20 mm.

Frame of wood, thickness ≥ 60 mm, with or without insulation.

The ventilator can be equipped with or without wind deflectors, having a height of 375-425 mm.

The ventilator is for installation as a part of a continuous roof light.

The ventilator is for roof mounting, and is tested with and without side wind.

Specifications:

Opening of the ventilator

Length	2 400 mm
Width	1 600 - 2 400 mm
Frame height (above roof)	300 mm
Opening mechanism	Electrical
Opening mechanism, supplier and type	Actulux A/S, SA Power double

Performance/classification:

Aerodynamic free area	See table 1
Reliability	Re 50
Snow load	SL 800
Low ambient temperature	T(-15)
Wind load	WL 1 500
Resistance to heat	B 300

Reaction to fire classification:

Wooden frame	D-s2,d0
Polycarbonate	B-s1,d0

Table 1, C_v values

Length x Width (mm)	Height of windshield (mm)	Without windshield (C_v)	With windshield (C_v)
2 400 x 1 600	375	0,13	0,65
2 400 x 2 000	400	0,12	0,66
2 400 x 2 400	425	0,11	0,66