



# CERTIFIKAT

## Certificate of constancy of performance

**0402 - CPR - 457801**

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: PC-lys, Acryl-lys**

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 2006-10-11 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 2014-01-20

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

  
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This is issue 8. 3P05579

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# CERTIFIKAT

Appendix to 0402 - CPR - 457801

## Natural smoke and heat exhaust ventilator, *PC-lys, Acryl-lys*

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, flat or saddleback shaped flap made of polycarbonate, thickness  $\geq 10$  mm and its shape with arrow height  $0 - 0.5 \times W$  (maximum 600mm), or dome shaped flap made of acryl, 4 layer with thickness 3 mm and maximum arrow height 350 mm.

Frame of wood, thickness  $\geq 35$  mm, with or without insulation.

A single flap with hinges c/c maximum 500 mm.

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

### Specifications:

#### Opening of the ventilator

Length	800 - 2 400 mm
Width	800 - 1 200 mm
Frame height (above roof)	300 - 600 mm
Opening angle	160°
Opening mechanism	Electrical

#### Pneumatic opening mechanism, supplier and type

- Wintech A/S, type: BDST, cylinder  $\varnothing 63$  mm.

#### Electrical opening mechanism, supplier and type

- Actulux A/S, type: SA Power Single with current limiter LIP3, LIP5.
- Actulux A/S, type: SA Power mini with current limiter LIP5 (maximum ventilator size 1 000 x 1 000 mm, maximum flap weight 37 kg).

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## Performance/classification:

	<b>BDST</b>	<b>SA Power single</b>
Aerodynamic free area	See table 1 - 8	See table 1 - 8
Reliability	Re 50	Re 50
Snow load	SL 720	SL 800
Low ambient temperature	T(-05)	T(-15)
Wind load	WL 1 500	WL 1 500
Resistance to heat	B 300	B 300

	<b>SA Power mini</b>
Aerodynamic free area	See table 1 - 8
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 classifications:

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

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