DECLARATION OF PERFORMANCE - ROOFLIGHTS

According to UE N°305/2011

D.O.P. ECOFEU 110 SCE

According to EN 12101-2 et EN 1873

2. Range designation : ECOFEU 110 SCE

Products concerned : ECOFEU 110 PN, ECOFEU 110 TC, ECOFEU 110 EL
ECOFEU ISO+ 110 PN, ECOFEU ISO+ 110 TC, ECOFEU ISO+ 110 EL

4. Manufacturer :

Kingspan Light + Air - 31 rue Nicéphore Nièpce – 69800 Saint Priest – France

3. Product description :

- Single panel, according to configuration ordered:
  - Opening by pneumatic power (PN) , electric (EL) or troy cable (TC)
  - Roof access
- Metal base HT mini 300 mm
- Dimensions range : taille min 1x1 m

3.1 Options available :

- Fall-trough protection, grid with wire Ø6 mm : (RE)
- Opening railings : (REO)
- Position contactors : (CP)
- Without thermal fuse : (STH)
- Handrail : (MC)
- Roof Access : (AT)

3.2 Intented use : ROOF ACCESSORY

3.3 Conditions of use and installation to meet certified performance:

Maximum permissible incline when installed in roof :

- Hinges parallel to the ridge: 0°
- Hinges perpendicular to the ridge : 0°

6. 7. Systems for assessment and verification of consistency of performance construction :

The notified body AFNOR CERTIFICATION N°0333 issued a certificate of constancy of performances according to Appendix ZA of EN 12101-2 :2003 system 1 standard, based on factory initial inspection, production controls and continuous supervision.
Certificate CE N°0333-CPR-219073

9. Performances déclarées :

Critères	Performances	Références Normatives
Aeraulic areas Aa	See table below	EN 12101-2, § 6, appendix B
Thermal trigger (thermal fuse) temperature	93°C / 110°C / 130°C / 140°C / 183°C	EN 12101-2, § 4.1
Opening type	Type B	EN 12101-2, § 4.3
Reliability	Re 300	EN 12101-2, § 7.1, appendix C
Opening under load	TC : SL 250 or SL 500 PN : SL 250 or SL 500 EL : SL 250	EN 12101-2, § 7.2, appendix D EN 1873, § 5.4.2
Low temperature	T(00)	EN 12101-2, § 7.3, appendix E
Wind load	WL 1500	EN 12101-2, § 7.4, appendix F EN 1873, §5.4.1
Heat ressistance	B300	EN 12101-2, § 7.5, appendix G EN 1873, §5.6
Fire reaction	PCA : B-S1,d0 / PCB : B-S1,d0 / Alu : M0 polyester : F	EN 12101-2, § 7.5.2.1 EN 1873, § 5.5
Outside fire performance	PND	EN 1873, § 5.7
Water tightness	Success	EN 1873, § 5.3
Impact resistance – small-sized hard body	Sucess	EN 1873, § 5.4.3.1

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Impact resistance – Fall-trough protection 1200 Joules	SB1200	EN 1873, § 5.4.3.2
Thermal transmittance : Urc, ref300	▪ ECOFEU 110 SCE : With PCA 16/5 = 2.8 W/m².K - Arc = 2.43 With PCA 32/5 = 2.4 W/m².K - Arc = 2.50 ▪ ECOFEU ISO+ 110 SCE : With PCA 16/5 = 2.1 W/m².K - Arc = 2.48 With PCA 32/5 = 1.8 W/m².K - Arc = 2.54	EN 1873, § 5.9.2.1
Thermal transmittance : panels	PCA 16/5 = 2.1 W/m².K PCA 32/5 = 1.3 W/m².K	EN 1873, §5.9.2.2
Acoustic attenuation	PND	EN 1873, §5.10
Light transmission factor	PCA 16/5 opal τD65 = 0.46 PCA 16/5 colourless τD65 = 0.66	EN 1873, §5.1
Air permeability	PND	EN 1873, §5.8
Durability	PCA 16/5 opal : ΔA, Cu 0, Ku 0 PCA 16/5 colourless : ΔA, Cu 0, Ku 0	EN 1873, § 5.2

Useful opening Area:

Costière hauteur 300mm minimum avec barreaudage
0,08

Opening under load (SL)

Dimensions (en mm)	SL 250	SL 500
1000x1000 PN	60g / 10 bars	60g / 17 bars
1000x1000 TC	1200N	1500N
1000x1000 EL	24V / 2.6A	-

In case of reclamation, the references of tests reports, date of issue, name of the test body would be communicated by the continuous supervision notified body.

10. The performances of the product identified in points 1 and 2 are conform to the performances declared in point 9. This Declaration Of Performances is established under the only responsibility of the manufacturer identified in point 4.

Signed for the manufacturer and under his name by Raoul Roth, CEO, in Saint Priest. Update : 08/03/2019.

Note: The chapters refer to EU Regulation 305/2011 on construction products.