Certificate of Conformity

Certification Body:

global-mark

Global-Mark Pty Ltd,
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Australia
Tel: +61 2 9886 0222
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Certificate number: CM30090 Rev4

THIS IS TO CERTIFY THAT

Velux Skylights FS, VS, VSE & VSS with EDW Flashing kits & Skylights FCM, VCM, VCE & VCS with custom Flashing

Type and/or use of product:

Velux Skylights (incorporating EDW Flashing kits or custom flashing) are used to bring natural light and air into attics or loft rooms where ventilation is required.

Velux Skylights (incorporating EDW Flashing kits or custom flashing) are designed for use with all building types, subject to limitations detailed within this certificate and the technical literature.

Description of product:

Velux FS & FCM are fixed / non-openable skylights for daylighting purposes only.

Velux VS, VSE & VSS are top hung, openable skylights for daylighting & ventilation purposes.

Velux VCM, VCE & VCS are top hung, openable skylights for daylighting & ventilation purposes in low-pitch applications.

Velux EDW Flashing kits integrate with FS, VS, VSE & VSS Skylights for weather proofing, custom flashing is required for FCM, VCM, VCE & VCS Skylights.

Certificate Holder:
Velux Australia Pty Ltd
78 Henderson Road
Alexandria NSW 2015
Australia
Tel: 1300 859 856
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COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) — **BCA 2019 + A1**

	Volume One including Amendment 1		Volume Two including Amendment 1	
Performance Requirement(s)	**FP1.4**	Weatherproofing	**P2.2.2**	Weatherproofing
	CP2	Spread of fire	**P2.3.1**	Spread of fire
Deemed-to-Satisfy Provision(s):	**B1.4 (h) (ii)**	Determination of structural resistance of materials and forms of construction	**3.0.4 (m)**	Determination of structural resistance of materials and forms of construction
			3.6.0 (b) (iv)	Glazing

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

The purpose of Global-Mark **construction site audits** is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions.

In placing **the CodeMark mark** on the product/system, the certificate holder makes a declaration of compliance with the certification standard(s) and confirms that the product is identical to the product certified herein. In issuing this Certificate of Approval Global-Mark has relied on the **expertise of external bodies** (laboratories, and technical experts).

Herve Michoux
Global-Mark Managing Director

Peter Gardner
Unrestricted Building Certifier

Date of issue: 27/04/2021

Date of expiry: 27/04/2024

ABCB JAS-ANZ

		Specification B1.2	Design of buildings in cyclonic areas	**3.0.4 (q)**	Glazing in high wind areas (FCM skylight only)
		D2.24	Protection of openable windows	**3.9.2.6**	Protection of openable windows – bedrooms
				3.9.2.7	Protection of openable windows – rooms other than bedrooms
		F4.2	Methods and extent of natural light	**3.8.4.2**	Natural light
		F4.3	Natural light borrowed from adjoining room		
		F4.6	Natural ventilation	**3.8.5.2**	Ventilation requirements
		F4.7	Ventilation borrowed from adjoining room		
		G5.2	Construction in bushfire prone areas	**3.10.5.0 (c)**	Construction in bushfire prone areas
		J1.4	Building fabric – Roof lights	**3.12.1.3**	Building fabric – Roof lights
		J3.3	Building sealing – Roof lights	**3.12.3.2**	Building sealing – Roof lights
	State or territory variation(s):	**NT Spec B1.2**	NT Addition to Spec B1.2		
				SA P2.3.1 (a)(ii), (iii)	Spread of fire
		VIC F4.2 (b), (c), (d)	Methods and extent of natural light		
		NSW G5.2	Construction in bushfire prone areas	**NSW 3.10.5.0**	Construction in bushfire prone areas
				QLD 3.10.5.0	Construction in bushfire prone areas
		NSW J(A)1	Building fabric (Class 2 & 4 only)	**NSW Part 3.12**	Part 3.12 does not apply in NSW, refer to BASIX requirements.
		NSW J(A)2	Building sealing		
		NSW J(B)1	Energy Efficiency (Class 3, 5, 6, 7, 8 & 9 buildings)		
		NT Section J	Replaced by BCA2009 Section J (Class 2 & 4 only, Section J does not apply to Class 3, 5, 6, 7, 8 & 9)	**NT Part 3.12**	Replaced by BCA2009 Part 3.12
		QLD Section J	Replaced by BCA2009 Section J (Class 2 only). For all other classifications NCC 2019 Section J applies.		

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B	
Limitations and conditions:	**Building classification/s:**
Volume 1 – Schedule 3 & Volume 2 – Schedule 3 Velux Skylights are to be installed at an angle between 0 and 70 degrees measured from the horizontal plane.	**All Building Types**
Volume 1 B1.4 (h) (ii) Velux Skylights with EDW or custom flashing have maximum wind load limits as detailed within relevant product data sheets.	**2, 3, 4, 5, 6, 7, 8 & 9**
Volume 2 - 3.6.1 FCM Skylights with custom flashing kits, are approved for use in cyclonic wind zones, as defined by the Northern Territory Deemed to Comply Manual, refer to the FCM Skylight technical data sheet for maximum permissible design wind loads. FS, VS, VSE, VSS, VCM, VCE & VCS Skylights and relevant Flashing kits are to be specified only for non-cyclonic wind zones (up to N3 wind regions) and have maximum permissible design wind load limits as published within the relevant technical data sheets.	**1 & 10**
Volume 1 – Specification B1.2 & Volume 2 – 3.0.4 (q) Skylight model FCM 3446 (970mm x 1275mm) has not yet been certified for NT DTC conditions and therefore may not be used in Cyclonic wind regions where compliance with the NT DTC manual applies.	**All Building Types**
Volume 1 - Specification C1.1 – 3.6 When installed in a roof that is required to have a FRL or where the roof covering is required to be non-combustible, skylights must: (a) have an aggregate area of not more than 20% of the roof surface; and (b) be not less than 3 m from— (i) any boundary of the allotment other than the boundary with a road or public place; and (ii) any part of the building which projects above the roof unless that part has the FRL required of a fire wall and any openings in that part of the wall for 6 m vertically above the rooflight or the like are protected in accordance with C3.4; and (iii) any rooflight or the like in an adjoining sole-occupancy unit if the walls bounding the unit are required to have an FRL; and (iv) any rooflight or the like in an adjoining fire-separated section of the building; and (c) if a ceiling with a resistance to the incipient spread of fire is required, be installed in a way that will maintain the level of protection provided by the ceiling to the roof space.	**2, 3, 4, 5, 6, 7, 8 & 9**
Volume 1 - D2.12 Skylights shall not be placed within 3 metres of an emergency access path of travel that may cross the same roof area.	**2, 3, 4, 5, 6, 7, 8 & 9**
Volume 1 – F4.2 & F4.3 & Volume 2 – 3.8.4.2 Compliance requires combined window, roof light and other opening areas to total a minimum percentage of floor area for the room. When solely relying upon roof lights, at least 3% of room floor area is required for Roof Lights, alternately 10% of room floor area for Windows, or a proportional combination of the two.	**All Building Types**

Volume 1 – F4.6 & F4.7 & Volume 2 – 3.8.5.2 Applicable for habitable rooms, offices, shops, factories, workrooms, sanitary compartments, bathrooms, shower rooms, laundries and any other rooms occupied by a person that requires Natural ventilation. Compliance requires combined window, roof light & other opening areas to total a minimum of 5% of the total floor area of the room. When solely relying on roof lights, at least 5% of room floor area is required in Roof Light opening area for natural ventilation.	**All Building Types**
Volume 1 – G5.2 & Volume 2 – 3.10.5.0 (c) Velux Skylights with EDW or custom flashing may be installed in buildings in designated bushfire prone areas up to & including BAL40.	**1, 2, 3 & 10**
Volume 1 – JP1 & Volume 2 – P2.6.1 U_W & $SHGC_W$ values in accordance with energy efficiency & building fabric requirements. Skylights contribute towards the energy efficiency of the building envelope.	**All Building Types**
Volume 1 – J1.4 & Volume 2 – 3.12.1.3 The total area of Roof Lights and the corresponding U_W & $SHGC_W$ values must comply with parameters contained within clause J1.4 of Volume 1 and clause 3.12.1.3 of Volume 2.	**All Building Types**
Volume 1 – NSW JP1 & Volume 2 – NSW P2.6.1 U_W & $SHGC_W$ values in accordance with NSW BASIX. Skylights contribute towards the energy efficiency of the building envelope.	**1, 2, 4 & 10**
Volume 1 – NSW J(A)1 & J(B)1 U_W & $SHGC_W$ values in accordance with energy efficiency requirements. Skylights contribute towards the energy efficiency of the building envelope.	**3, 5, 6, 7, 8 & 9**
Volume 1 – NT & QLD Section J & Volume 2 – NT Part 2.6 U_W & $SHGC_W$ values in accordance with energy efficiency requirements of BCA 2009 Volume 1 Section J & Volume 2 Part 2.6. Skylights contribute towards the energy efficiency of the building envelope.	**All Building Types**
General Velux Skylights with approved flashing are to be specified in accordance with the document(s) listed in Appendix A3 of this certificate by a suitably qualified building professional.	**All Building Types**
General Velux Skylights with approved flashing are to be installed in accordance with the document(s) listed in Appendix A5 of this certificate by a suitably qualified building professional.	**All Building Types**

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

See page 1 of this certificate: Type and/or use of product

A2 Description of product

See page 1 of this certificate: Description of product

- Skylights may be installed in orientations between 0 and 70 degrees when measured from the horizontal plane.
- Velux Skylights options are available in a range of standard sizes, as described in Items 1, 2, 3, 4, 5, 6, 7 & 8 as listed in Appendix B2.

A3 Product specification

Refer to items 1, 2, 3, 4, 5, 6, 7 & 8 listed in B2:

1. Velux Models Summary – 2021
2. Aust FCM Product Sheet 2021
3. Aust FS Product Sheet 2021
4. Aust VS Product Sheet 2021
5. Aust VSE Product Sheet 2018
6. Aust VSS Product Sheet 2021
7. Aust VCM Product Sheet 2018
8. Aust VCS Product Sheet 2021
9. EDW Flashing A21 452259-2012-06 – Installation instructions

A4 Manufacturer and manufacturing plant(s)

Velux Australia Pty Ltd
78 Henderson Road
Alexandria NSW 2015
Australia

VELUX Greenwood
450 Old Brickyard Rd Greenwood
South Carolina 29649
USA

A5 Installation requirements

Refer to Velux product installation instructions for FS, VS, VSE, VSS, FCM, VCM, VCE & VCS skylights.

Refer to Velux product installation instructions for EDW Flashing kit – EDW Flashing A21 452259-2012-06.

A6 Other relevant technical data

Any referenced documents within the technical literature identified in Appendix A, A3 and Appendix A, A5.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The following assessment methods have been used to determine compliance with NCC 2019:

Code Clause	Assessment Method(s)	Evidence of suitability	Evidence reference in B2
NCC Volume One FP1.4	A2.2 (2) (a) & (b)	A5.2 (1) (d)	Items 34, 36, 38, 40, 41 & 42
NCC Volume Two P2.2.2	A2.2 (2) (a) & (b)	A5.2 (1) (d)	Items 34, 36, 38, 40, 41 & 42
NCC Volume One CP2	A2.2 (2) (a) & (c)	A5.2 (1) (e)	Item 18
NCC Volume Two P2.3.1	A2.2 (2) (a) & (c)	A5.2 (1) (e)	Item 18
NCC Volume One B1.4 (h) (ii)	A2.3 (2) (a) & (b)	A5.2 (1) (d) & (e)	Items 9, 10, 11, 12, 13, 35, 36, 38 & 42
NCC Volume Two 3.0.4 (m)	A2.3 (2) (a) & (b)	A5.2 (1) (d) & (e)	Items 9, 10, 11, 12, 13, 35, 36, 38 & 42
NCC Volume Two 3.6.0 (b)(iv)	A2.3 (2) (a) & (b)	A5.2 (1) (d) & (e)	Items 9, 10, 11, 12, 13, 35, 36, 38 & 42
NCC Volume One Specification B1.2	A2.3 (2) (a)	A5.2 (1) (d)	Items 14, 15, 16, 17, 35, 37, 39 & 42
NCC Volume Two 3.0.4 & (q)	A2.3 (2) (a)	A5.2 (1) (d)	Items 14, 15, 16, 17, 35, 37, 39 & 42
NCC Volume One D2.24	A2.3 (2) (a)	A5.2 (1) (d)	Items 27, 28, 29, 30, 31, 32 & 33
NCC Volume Two 3.9.2.6	A2.3 (2) (a)	A5.2 (1) (d)	Items 27, 28, 29, 30, 31, 32 & 33
NCC Volume Two 3.9.2.7	A2.3 (2) (a)	A5.2 (1) (d)	Items 27, 28, 29, 30, 31, 32 & 33
NCC Volume One F4.2	A2.3 (2) (a)	A5.2 (1) (f)	Items 1, 2, 3, 4, 5, 6, 7 & 8
NCC Volume One F4.3	A2.3 (2) (a)	A5.2 (1) (f)	Items 1, 2, 3, 4, 5, 6, 7 & 8
NCC Volume Two 3.8.4.2	A2.3 (2) (a)	A5.2 (1) (f)	Items 1, 2, 3, 4, 5, 6, 7 & 8
NCC Volume One F4.6	A2.3 (2) (a)	A5.2 (1) (f)	Items 1, 4, 5, 6, 7 & 8
NCC Volume One F4.7	A2.3 (2) (a)	A5.2 (1) (f)	Items 1, 4, 5, 6, 7 & 8
NCC Volume Two 3.8.5.2	A2.3 (2) (a)	A5.2 (1) (f)	Items 1, 4, 5, 6, 7 & 8
NCC Volume One G5.2	A2.3 (2) (a) & (b)	A5.2 (1) (d) & (f)	Items 19, 20, 21, 22, 23, 24, 25 & 26
NCC Volume Two 3.10.5.0 (c)	A2.3 (2) (a) & (b)	A5.2 (1) (d) & (f)	Items 19, 20, 21, 22, 23, 24, 25 & 26
NCC Volume One J1.4	A2.3 (2) (a) & (b)	A5.2 (1) (e) & (f)	Item 43
NCC Volume Two 3.12.1.3	A2.3 (2) (a) & (b)	A5.2 (1) (e) & (f)	Item 43
NCC Volume One J3.3	A2.3 (2) (a)	A5.2 (1) (d)	Item 44
NCC Volume Two 3.12.3.2	A2.3 (2) (a)	A5.2 (1) (d)	Item 44

B2 Reports

The following reports have been used as evidence to determine compliance with NCC 2019:

Ref	Author	Reference	Date	Description	NATA Registration
1	Velux Australia Pty Ltd	Velux Models Summary – 2021	Jan 2021	List of Velux Skylight, Roof Window & Sun Tube Product Range	–
2	Velux Australia Pty Ltd	Aust FCM Product sheet 2021	Jan 2021	Product data sheet for FCM Fixed Skylights	–
3	Velux Australia Pty Ltd	Aust FS Product sheet 2021	Jan 2021	Product data sheet for FS Fixed Skylights	–
4	Velux Australia Pty Ltd	Aust VS Product sheet 2021	Jan 2021	Product data sheet for VS Manually operated Skylights	–
5	Velux Australia Pty Ltd	Aust VSE Product sheet 2018 web	Jan 2018	Product data sheet for VSE Electronically operated Skylights	–
6	Velux Australia Pty Ltd	Aust VSS Product sheet 2021	Jan 2021	Product data sheet for VSS Solar powered Skylights	–
7	Velux Australia Pty Ltd	Aust VCM Product sheet 2018 web	Jan 2018	Product data sheet for VCM Manually operated Skylights	–
8	Velux Australia Pty Ltd	Aust VCS Product sheet 2021	Jan 2021	Product data sheet for VCS Solar powered Skylights	–
9	Calderone & Associates	Form 15	27 Feb 2021	Structural Design Certificate	–
10	Calderone & Associates	Skylight Glass Design Report	26 Feb 2021	Structural Analysis Report	–
11	GHD Consulting Engineers	33-18220-S001 Rev 1	30-Aug-2016	Structural Detail Drawing	–
12	GHD Consulting Engineers	33-18220-S001 Rev 2	26-Jul-2017	Structural Detail Drawing	–
13	GHD Consulting Engineers	33-18220-S002 Rev 2	26-Jul-2017	Structural Detail Drawing	–
14	GHD Consulting Engineers	NT Sec 40 Cert	26-Jul-2017	Structural Certificate	–
15	GHD Consulting Engineers	QLD Form 15 Cert	26-Jul-2017	Structural Certificate	–
16	NT Building Advisory Committee	DTCM M/828/01-06	03-Aug-2017	Compliance Letter	–
17	GHD Consulting Engineers	M/828/01-06	16-Jun-2017	Structural Detail Drawing	–
18	CSIRO	FCO-2046	05-Jun-2017	Fire Assessment Report	165
19	Exova Warringtonfire	2391800.2	05-Jan-2010	Fire Test Report	3277
20	Exova Warringtonfire	2548902.1	25-Feb-2011	Fire Test Report	3277
21	Exova Warringtonfire	2398200.2	05-Jan-2010	Fire Test Report	3277
22	Exova Warringtonfire	2398100.3	05-Jan-2010	Fire Test Report	3277
23	Exova Warringtonfire	2548900.1	25-Feb-2011	Fire Test Report	3277
24	Exova Warringtonfire	31154800.1	15-Jan-2015	Fire Test Report	3277
25	Exova Warringtonfire	2686100.2	18-Jul-2012	Fire Test Report	3277
26	Exova Warringtonfire	46234000.2	23-Jan-2018	Fire Assessment Report	3277
27	Ian Bennie & Associates	2014-006-S2	05-May-2014	Window Test Certificate	2371
28	Ian Bennie & Associates	2017-016-NCC-S2	13-Jul-2017	Window Test Certificate	2371
29	Ian Bennie & Associates	2017-016-POW-S2	13-Jul-2017	Window Test Certificate	2371
30	Ian Bennie & Associates	2017-016-NCC-S9	13-Jul-2017	Window Test Certificate	2371

B2 Reports cont'd

Ref	Author	Reference	Date	Description	NATA Registration
31	Ian Bennie & Associates	2017-016-POW-S9	13-Jul-2017	Window Test Certificate	2371
32	Ian Bennie & Associates	2017-016-NCC-S11	13-Jul-2017	Window Test Certificate	2371
33	Ian Bennie & Associates	2017-016-POW-S11	13-Jul-2017	Window Test Certificate	2371
34	Ian Bennie & Associates	2009-098-S5	14-Jan-2010	Weathertightness & Structural Test Report	2371
35	Ian Bennie & Associates	2009-098-S6	14-Jan-2010	Weathertightness & Structural Test Report	2371
36	Ian Bennie & Associates	2009-098-S1	18-Jan-2010	Weathertightness & Structural Test Report	2371
37	Ian Bennie & Associates	2009-098-S12	18-Jan-2010	Weathertightness & Structural Test Report	2371
38	Ian Bennie & Associates	2009-098-S10	18-Jan-2010	Weathertightness & Structural Test Report	2371
39	Ian Bennie & Associates	2009-098-S16	18-Jan-2010	Weathertightness & Structural Test Report	2371
40	Ian Bennie & Associates	2015-014-S5	18-Sep-2015	Weathertightness & Structural Test Report	2371
41	Ian Bennie & Associates	2015-014-S05	07-Sep-2015	Weathertightness & Structural Test Certificate	2371
42	Ian Bennie & Associates	2012-099-S1-2&4	13-Sep-2013	Weathertightness & Structural Test Report	2371
43	Australian Windows Association	Velux Window Testing	18-Jul-2017	WERS certificate	–
44	Ian Bennie & Associates	2017-016-R1	13-Jul-2017	Window Test Report	2371

The Certificate Holder has chosen not to make the above identified evidence of compliance publicly available, due to the documents being considered commercial in confidence.

End of Certificate