



Certificate of Conformity

Certification Body:

Certificate number: **CM30089 Rev4**



Global-Mark Pty Ltd
Suite 4.07
32 Delhi Road
North Ryde NSW 2113
Australia
Tel: +61 2 9886 0222
www.Global-Mark.com.au

THIS TO CERTIFY THAT

Velux Roof Windows GGL & GPL, incorporating EDW Flashing Kits

Type and/or use of product:

Velux Roof Windows GGL and GPL (incorporating EDW Flashing kits) are used to bring natural light and air into attics or loft rooms where ventilation is required.

Velux Roof Windows GGL and GPL (incorporating EDW Flashing kits) are designed for use with all building types, subject to limitations detailed within this certificate and the technical literature.

Description of product:

Velux GGL Roof Windows are an openable, centre pivoting roof window for in-reach applications.

Velux GPL Roof Windows are an openable centre pivoting with top-hung "dual action" roof window for in-reach applications.

Velux EDW Flashing kits integrate with GGL & GPL Roof Windows for weather proofing.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2019 A1

Certificate Holder:

Velux Australia Pty Ltd
78 Henderson Road
Alexandria NSW 2015
Australia
Tel: 1300 859 856
www.velux.com.au

Volume One – including Amendment 1

Volume Two – including Amendment 1

Performance Requirement(s)

FP1.4

Health & Amenity – Weatherproofing

P2.2.2

Weatherproofing

CP2

Protection from Spread of Fire

P2.3.1

Protection from Spread of Fire

Deemed-to-Satisfy Provision(s):

B1.4 (h) (ii)

Structure

3.6.0 (b) (iv)

Structure – Glazing

Specification B1.2

Structure – Buildings in Cyclonic Areas

3.0.4 (m) & (q)

Structure – Glazing in high wind areas

D2.24

Access & Egress – Protection of openable windows

3.9.2.6

Protection of openable windows in Bedrooms

3.9.2.7

Protection of openable windows in rooms other

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: **06/08/2021**

Date of expiry: **06/08/2024**



Certificate number: **CM30089**

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				than Bedrooms
	F4.2	Health & Amenity – Natural Light	3.8.4.2	Natural Light
	F4.3	Health & Amenity – Natural Light borrowed from adjoining room		
	F4.6	Health & Amenity – Ventilation	3.8.5.2	Ventilation
	F4.7	Health & Amenity – Ventilation borrowed from adjoining room		
	J1.4	Energy Efficiency – Building Fabric	3.12.1.3	Energy Efficiency – Building Fabric
	J3.3	Energy Efficiency – Building Sealing	3.12.3.2	Energy Efficiency – Building Sealing
State or territory variation(s):	NT Spec B1.2	NT Addition to Spec B1.2		
	VIC F4.2 (b), (c), (d)	Health & Amenity – Natural Light	SA P2.3.1 (a) (ii), (iii)	Spread of Fire
	NSW J(A)1	Building Fabric (Class 2 & 4 only)	NSW Part 3.12.1	Building Fabric Thermal Insulation
	NSW J(A)2	Building Sealing (Class 2 & 4 only)	NSW Part 3.12.3	Building Sealing
	NSW J(B)1	Energy Efficiency (Class 3, 5, 6, 7, 8 & 9)		
	NT Section J	Replaced by BCA2009 Section J	NT Part 3.12	Replaced by BCA2009 Part 3.12
	QLD Section J	Replaced by BCA2009 Section J (Class 2 only)	TAS Part 3.12	May use BCA2016 Part 3.12 (expires 30 April 2020)
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 and Volume 2 – Schedule 3 – Definitions: Velux Roof Windows 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 Roof Windows with EDW Flashing kits have maximum design wind load limits as published within the relevant technical data				2, 3, 4, 5, 6, 7, 8 & 9

sheets.

Volume 2 – 3.6.1 – Structure - Glazing

Velux Roof Windows and 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.

Volume 1 – Spec 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, the roof lights, skylights or the like 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.

Volume 1 – D2.12 – Access & Egress

Roof Windows shall not be placed within 3 metres of an emergency access path of travel when the emergency access path crosses the same roof area.

Volume 1 – F4.2 & F4.3 & Volume 2 – 3.8.4.2 – Natural Light

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 no less than 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.

Volume 1 – F4.6 & F4.7 & Volume 2 – 3.8.5.2 – Ventilation

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 and other opening areas to total a minimum of 5% of the total floor area of the room – therefore if solely relying upon roof lights, no less than 5% of room floor area is required in Roof Light opening area for natural ventilation.

Volume 1 – JP1 & Volume 2 – P2.6.1

1 & 10

2, 3, 4, 5, 6, 7, 8 & 9

2, 3, 4, 5, 6, 7, 8 & 9

All Building Types

All Building Types

All Building Types

U_w & $SHGC_w$ values in accordance with energy efficiency & building fabric requirements.

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.

Volume 1 – NSW JP1 & Volume 2 – NSW P2.6.1

U_w & $SHGC_w$ values in accordance with NSW BASIX.

Volume 1 – NSW J(A)1 & J(B)1

U_w & $SHGC_w$ values in accordance with energy efficiency requirements.

Volume 1 – NT & QLD Section J

U_w & $SHGC_w$ values in accordance with energy efficiency requirements of BCA 2009 Section J.

Volume 2 – NT Part 2.6

U_w & $SHGC_w$ values in accordance with building fabric requirements of BCA 2009 Part 2.6.

General

Velux Roof Windows & Flashing kits to be specified in accordance with the document(s) listed in Appendix A, A3 of this certificate by a suitably qualified building professional.

General

Velux Roof Windows & Flashing kits to be installed in accordance with the document(s) listed in Appendix A, A5 of this certificate by a suitably qualified building professional.

All Building Types

1, 2, 4 & 10

3, 5, 6, 7, 8 & 9

2, 3, 4, 5, 6, 7, 8 & 9

1 & 10

All Building Types

All Building Types



Certificate of Conformity

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.

A3 Product specification

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

1. Aust GGL Product Sheet 2020 (V-AUS 0820) 3.06
2. V22 GGL light & ventilation
3. Declaration of Performance GGL 3076 F
4. Declaration of Performance GGL 2076 F
5. Aust GPL Product Sheet 2020 (V-AUS 0820) 3.05
6. V22 GPL light & ventilation
7. Declaration of Performance GPL 3076F
8. Declaration of Performance GPL 2076F
9. EDW Flashing V22 - 453578-2013-10 – Installation instructions

A4 Manufacturer and manufacturing plant(s)

Velux Australia Pty Ltd
78 Henderson Road
Alexandria NSW 2015
Australia

VKR France
Zone Industrielle
80210 Feuquières-en-Vimeu (Somme)
FRANCE

A5 Installation requirements

Roof windows may be installed in orientations between 0 and 70 degrees when measured from the horizontal plane.

Refer to Velux product installation instructions:

- GGL ROOF WINDOW V22 - 452953-2013-03
- GPL ROOF WINDOW V22 - 452954-2014-06
- EDW Flashing V22 - 453578-2013-10

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 BCA 2019:

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

* Compliance with A2.2(4) has not been established when undertaking the evaluation of this product and issuing the certification. A2.2(4) describes a process that is site specific, within which a CodeMark certificate may be part of the evidence considered.

B2 Reports

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

Ref	Author	Reference	Date	Description	NATA Registration
1	Velux Australia Pty Ltd	Aust GGL Product Sheet 2020 (V-AUS 0820) 3.06	08 2020	Product data sheet for GGL Centre Pivot Roof Windows	-
2	Velux Australia Pty Ltd	-	2016	Technical data sheet for GGL/GGU Centre Pivot Roof Windows	-
3	Velux Australia Pty Ltd	GGL SK08 3076F 39BG09	25-Sep-17	Declaration of Product Performance	-
4	Velux Australia Pty Ltd	GGL SK08 2076F 39BG09	27-Sep-17	Declaration of Product Performance	-
5	Velux Australia Pty Ltd	Aust GPL Product Sheet 2020 (V-AUS 0820) 3.05	08 2020	Product data sheet for GPL Dual Action Roof Windows	-
6	Velux Australia Pty Ltd	-	2016	Technical data sheet for GPL Dual Action Roof Windows	-
7	Velux Australia Pty Ltd	GPL SK08 3076F 39BG09	25-Sep-17	Declaration of Product Performance	-
8	Velux Australia Pty Ltd	GPL SK08 2076F 39BG09	27-Sep-17	Declaration of Product Performance	-
9	Velux Australia Pty Ltd	-	27-Sep-17	Letter relating to Velux product groups	-
10	Calderone & Associates	Form 15	16-Jul-17	Structural Certificate	-
11	Calderone & Associates	-	16-Jul-17	Structural Analysis Report	-
12	CSIRO	FCO-2046	05-Jun-17	Fire Assessment Report	165
13	Ian Bennie & Associates	2014-006-S1	05-May-14	Window Opener Test Certificate	2371
14	Ian Bennie & Associates	2014-006-S3	07-May-14	Window Opener Test Certificate	2371
15	Ian Bennie & Associates	2017-016-NCC-S4	13-Jul-17	Window Opener Test Certificate	2371
16	Ian Bennie & Associates	2017-016-POW-S4	13-Jul-17	Window Opener Test Certificate	2371
17	Ian Bennie & Associates	2014-006-S4	07-May-14	Window Opener Test Certificate	2371
18	Ian Bennie & Associates	2017-016-NCC-S3	13-Jul-17	Window Opener Test Certificate	2371
19	Ian Bennie & Associates	2017-016-POW-S3	13-Jul-17	Window Opener Test Certificate	2371
20	Ian Bennie & Associates	2014-006-S6	07-May-14	Window Opener Test Certificate	2371
21	Ian Bennie & Associates	2014-006-S5B	07-May-14	Window Opener Test Certificate	2371
22	Ian Bennie & Associates	4023S5	06-Dec-04	Weathertightness & Structural Test Report	2371
23	Ian Bennie & Associates	4023S8	06-Dec-04	Weathertightness & Structural Test Report	2371
24	Ian Bennie & Associates	2009-098-S8	18-Jan-10	Weathertightness & Structural Test Report	2371
25	Ian Bennie & Associates	2014-067-S2&5	10-Dec-14	Weathertightness & Structural Test Report	2371

B2 Reports cont'd

Ref	Author	Reference	Date	Description	NATA Registration
26	Australian Windows Association	Velux Window Testing	18-Jul-17	WERS certificate	–
27	Ian Bennie & Associates	2017-016-R1	13-Jul-17	Windows Test Report	2371
28	Danish Technological Institute	0108/728433	23-Nov-16	Windows Performance Certificate	–
29	Danish Technological Institute	LTN/MJLD	11-Aug-17	Letter relating to Velux product groups	–
30	Danish Technological Institute	0108/728433b	23-Nov-16	Windows Performance Report	–
31	IFT Rosenheim	13-000540-PR03	20-Feb-14	Windows Performance Certificate	–

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