

World-leading skylights and roof windows

Product information and price list (RRP incl. GST) September 2017





Throughout the construction industry, VELUX is a by-word for quality, a reputation that has been painstakingly built up for more than 30 years in New Zealand and for over 75 years around the world.

Perfectly designed to withstand the world's harshest climatic conditions, all VELUX products are of the highest quality and will perform superbly for a lifetime of faultless service.

Take a look through this guide and judge for yourself. For range, quality, value, guarantees, delivery and service – VELUX is a world leader.

Guaranteed to last...

10 Year Warranty all skylights, roof window

on all skylights, roof windows and sun tunnels.

From September 2017

ALL VELUX Skylights
supplied with High Performance
laminated double glazing
as standard

High Performance double glazing (04)

Laminated inner panes for added safety.

Outer pane of toughened safety glass.

Low-E³ coating maximises Light
Transmittance/reduces Solar Heat Gain.

Argon filled cavity together with
Low-E³ coating increases thermal
performance by reducing heat flow
through the pane.

NEAT™ Coating on outer pane
reduces cleaning frequency.

Warm edge technology increases energy efficiency.

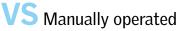
For full Technical details see page 11



Pitched roof Skylights

VSS Solar-powered









FS Fixed (non-opening)





Flat/low-pitched Skylights

VCS Solar-powered



VCM Manually operated



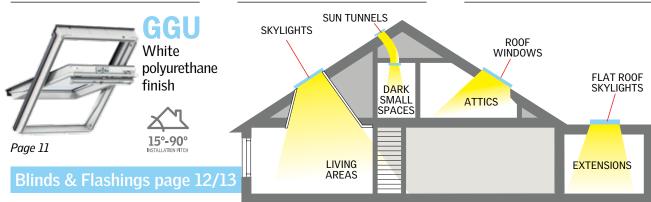
FCM Fixed (non-opening)





Sun Tunnels and Roof Windows









Solar-powered, top-hung skylight

The ultimate skylight that provides abundant daylight and controllable ventilation. Features a solar panel that captures available daylight to recharge a highly efficient, concealed battery-powered operator and control system.

- Wireless installation. No electrician required.
- White painted interior timber frame and sash.
- Outer aluminium cappings (grey).
- Smooth profile sits lower in the roof, does not obstruct the roofline.
- Available in 6 sizes.
- Remote control operation.
- Rain sensor automatically closes the skylight when rain is detected.
- High Performance double glazing as standard, with NEAT™ outer coating: reduces cleaning frequency.
- · Includes removable insect screen.
- Flashings to be ordered separately.



Hailstone Test±

VELUX Simulated Tests ASTM E822-2009

WERS max 5 stars (summer rating)

**** **NZ Standards**

NZS4223



Solar-powered, top-hung skylight

For flat/low-pitched roofs

The ultimate flat roof skylight that provides abundant daylight and controllable ventilation. Features a solar panel that captures available daylight to recharge a highly efficient, concealed battery-powered operator and control system.

- Wireless installation. No electrician required. ASTM E822-2009
- Maintenance Free White PVC interior frame for a tough, hard wearing interior finish.
- Outer aluminium cappings (grey).
- Available in 4 sizes.

VCS

- Remote control operation.
- Rain sensor automatically closes the skylight when rain is detected.
- High Performance double glazing as standard, with NEAT™ outer coating: reduces cleaning frequency.
- Includes removable insect screen.
- Requires custom-made flashing (not supplied by VELUX).

Technical Performance (complete skylight)

R-value[†] 0.40 Solar Heat Gain 0.24 Co-efficient[†]

Hailstone Test±

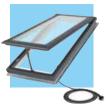
VELUX Simulated Tests

WERS max 5 stars (summer rating)



NZ Standards NZS4223





Also available

15°-90°

Electrically operated

- · Choice of 6 sizes.
- 2 metre lead (supplied) plugs into power point.
- White painted interior timber frame and sash.
- Insect screen, rain sensor and control pad included.
- Flashings to be ordered separately.

Wireless control system for VSS/VCS/VSE

- · Radio frequency controller with advanced control options for both skylight and blind operation.
- · Home Automation Systems interface (KLF 200) available (order separately).



Blinds for VSS/VCS/VSE

Solar-Powered Blackout - DSH (for VSS/E) Solar-Powered Blackout - DSC (for VCS)

Skylight remote control can be used to operate blinds.

- · All blinds are available in white.
- Easy to fit using the VELUX Pick&Click! System.
- * For roofs below 15° pitch, VSS/E skylights need to be raised to 15° and custom flashed. VELUX can assist with technical advice and drawings.
- † R-value (m² K/W) and SHGC data based on NFRC simulations at 90° installation pitch (VSS/VSE/VCS nominal skylight size 1200mm x 1200mm).
- ± Hailstone test not conducted on VSS solar panel.
- NB: Contact VELUX when installing VSS above/below combination \Box due to positioning of solar panel.







Manually operated top-hung skylight

- · White painted interior timber frame and sash.
- · Outer aluminium cappings (grey).
- · Operated by winder handle** for withinreach situations or by rod** for out-ofreach use.
- · Smooth profile sits lower in the roof, does not obstruct the roofline.
- · Available in 6 sizes.
- **NEW** High Performance double glazing as standard, with NEAT™ outer coating: reduces cleaning frequency.
- · Includes removable insect screen.
- Flashings to be ordered separately.



Solar Heat Gain Co-efficient[†]

Hailstone Test

VELUX Simulated Tests ASTM F822-2009

WERS max 5 stars (summer rating)

**** **NZ Standards** NZS4223



VCM

Manually operated top-hung skylight

- · Maintenance free White PVC interior frame for a tough interior finish.
- **NEW** High Performance double glazing as standard, with NEAT™ outer coating: reduces cleaning frequency.
- · Includes removable insect screen.
- Outer aluminium cappings (grey).
- Available in 4 sizes.
- Operated by winder handle** for withinreach situations or by rod** for out-ofreach use.
- Requires custom-made flashing (not supplied by VELUX).

Technical Performance (complete skylight)

R-value[†] 0.40 Solar Heat Gain Co-efficient[†] 0.24

Hailstone Test

VELUX Simulated Tests ASTM F822-2009

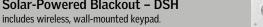
WERS max 5 stars (summer rating)





Blinds for VS

Solar-Powered Blackout - DSH



- All blinds are available in white.
- Easy to fit using the VELUX Pick&Click!* System.

Manual control** options VS

- Winder handle for operating within-reach.
- Telescopic rod control for out-of-reach situations. (145cm in length, extendable up to 285cm.)

ZZZ 201

ZCT 300

Blinds for VCM

Solar-Powered Blackout - DSC

includes wireless, wall-mounted keypad.



- All blinds are available in white.
- Easy to fit using the VELUX Pick&Click!* System.

Manual control** options VCM

- Winder handle for operating within-reach.
- Telescopic rod control for out-of-reach situations. ZZZ 212 (145cm in length, extendable up to 285cm.)

ZCT 300

For roofs below 15° pitch, VS skylights need to be raised to 15° and custom flashed. VELUX can assist with technical advice and drawings.

[†] R-value (m² K/W) and SHGC data based on NFRC simulations at 90° installation pitch (VS/VCM nominal skylight size 1200mm x 1200mm).

^{**} Order separately.





IMPROVED GLASS

FS

Fixed (non-opening)

Cost effective for creating light-filled rooms where adequate ventilation already exists. Energy efficient glazing and the use of blinds ensures heat transference is minimised.

- · White painted interior timber frame.
- · Outer aluminium cappings (grey).
- · Flashings to be ordered separately.
- NEW High Performance double glazing with NEAT™ coating on outer pane: reduces cleaning frequency.
- Smooth profile sits lower in the roof, does not obstruct the roofline.
- · Available in 7 sizes.



R-value[†] 0.49 Solar Heat Gain Co-efficient[†] 0.26

Hailstone Test VELUX Simulated Tests

ASTM E822-2009 WERS max 5 stars

(summer rating) $\star\star\star\star\star\star$

NZ Standards NZS4223



Fixed (non-opening)

The brilliantly simple FCM flat roof skylight incorporates the VELUX High Performance double glazed, laminated unit and an all-metal exterior frame.

For flat/low-pitched roofs

- NEW High performance double glazing with NEAT™ coating on outer pane: reduces cleaning frequency.
- · Approx 99% UV Block.
- Available in 8 sizes.
- Maintenance-free anodized heavy-gauge aluminium frame.
- Requires custom-made flashing (not supplied by VELUX).

Technical Performance (complete skylight) R-value[†] 0.44

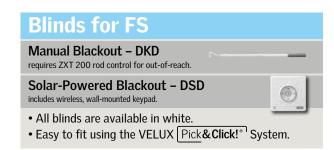
Solar Heat Gain Co-efficient[†] 0.27

Hailstone Test VELUX Simulated Tests ASTM E822-2009

WERS max 5 stars (summer rating)

★ ★ ★ ★ ★ NZ Standards





Blinds for FCM

Manual Blackout - DKC

For complete room darkening. Colour – white. Accessory Tray ZZZ 199 required. For out-of-reach operation order telescopic rod ZXT 200.

Solar-Powered Blackout - DSC

For complete room darkening. Colour – white. Includes a keypad and pre-charged solar battery. Accessory Tray ZZZ 199 required.



- * For roofs below 15° pitch, FS skylights need to be raised to 15° and custom flashed. VELUX can assist with technical advice and drawings.
- † R-value (m² K/W) and SHGC data based on NFRC simulations at 90° installation pitch (FS/FCM nominal skylight size 1200mm x 1200mm).





GGU white polyurethane centre-pivot roof window

Put fresh air at your fingertips with a centre-pivot VELUX Roof Window. Easy to operate. Ideal for within-reach attic situations.

- Wooden core encased in moistureresistant white polyurethane.
- A short pull on the top control bar allows filtered background ventilation even while the window remains shut.
- A second pull on the control bar allows the window to rotate for maximum ventilation – and up to 180° for cleaning the outer pane from inside the room.
- Flashings to be ordered separately.
- Available in 7 sizes.
- Laminated double glazing as standard.
- Noise reduction (GGU only) 35 decibels.



Technical Performance (complete skylight)





EVERFINISH – Frame and sash are encapsulated with a thick, seamless, white, polyurethane for a tough maintenance-free interior finish.



PASSIVE VENT - For controllable passive ventilation when you want it.

Blinds for GGU

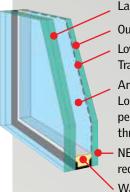
Manual Blackout - DKL for complete room darkening

- All blinds are available in white.
- Easy to fit using the VELUX Pick & Click! System.

From September 2017

ALL VELUX Skylights supplied with High Performance laminated double glazing as standard

High Performance double glazing (04)



Laminated inner panes for added safety.

Outer pane of toughened safety glass. Low-E³ coating maximises Light Transmittance/reduces Solar Heat Gain.

Argon filled cavity together with Low-E³ coating increases thermal performance by reducing heat flow through the pane.

NEAT[™] Coating on outer pane reduces cleaning frequency. Warm edge technology increases energy efficiency.



Benefits:

Radiant heat block approx 72%

UV Harmful rays block approx 99%

Noise reduction factor
 32 decibels

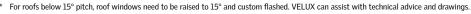
WERS rating

5 stars

- Double layer of Low-E³ coating.
- · 10 year warranty on insulated glass seal.

NEAT™ Photocatalytic Coating

- Silicone Dioxide/Titanium Dioxide coating reacts with the sun's UV rays to decompose surface organic dirt before rinsing away with the next shower of rain, thereby reducing cleaning frequency.
- The coating also makes the glass surface smoother, so water disperses evenly, sheets off and evaporates quickly therefore minimising water spotting on the pane.



[†] SHGC calculated according to EN 14351-1:2006 + A1:2010 (window size 1140mm x 1180mm).

BLINDS – effective light control



Tailor-made to fit perfectly to each size of Skylight or Roof Window, VELUX Blackout Blinds are easy to install and are supplied with aluminium side channels that allow the blind to be positioned at any point down the window.

Blackout blinds

Provide complete room darkening. Manual or solar powered options.

- · Keypad supplied with Solar Blinds only.
- · Blind can be stopped at any position.
- Reduce light by approx 100%.
- Available in white only.

Pick & Click!®



The innovative VELUX Pick & Click! System makes installing our blinds a snap!

Blind options

| | • | |
|-------|----------------|-----------------|
| Blind | Blackout Solar | Blackout Manual |
| VSE/S | \checkmark | |
| VS | \checkmark | |
| FS | √ ^ | √ ^ |
| VCM/S | \checkmark | |
| FCM | √ " | √ « ^ |
| GGU | | \checkmark |

- ^ Manual Blinds for Fixed Skylights require ZXT 200 rod control for out-of-reach situations.
- " Accessory Tray ZZZ 199 required to fit blinds to FCM.
- All solar powered blinds include wireless, wall-mounted keypad (KLI 110), and can also be controlled by KLR 200 skylight controller (available with VSE/VSS/VCS skylights, or purchased separately).

NB: New VELUX blinds do not fit VELUX Skylights manufactured prior to March 2010/VELUX Roof Windows manufactured prior to March 2014 – contact VELUX for details to fit older models.

SUN TUNNELS

Improved design reduces installation time

NEW generation VELUX Sun Tunnels feature a range of improvements that make installation faster and easier. Tube assembly time is reduced and less time is spent in the roof cavity.

Rigid Sun Tunnels suit roof spaces with minimal obstructions. They have a highly reflective shaft to achieve maximum light output. Flexible Sun Tunnels can be used when obstructions prevent the use of Rigid Sun Tunnels.



Designed to provide natural light into corridors, stairwells, bathrooms and cupboards; where installation of a VELUX Skylight is not possible.



Flexible Sun Tunnel (TWF 0K14)

- New Flexi Loc quick
 assembly system
- assembly system.

 4mm toughened glass.
- Dual-layered ceiling diffuser.
- 1500mm long, 350mm diameter.
- Minimum distance from ceiling to roof space 0.4m.



Rigid Sun Tunnel (TWR 0K14)

- New Flexi Loc quick
 assembly system
- assembly system.
- 4mm toughened glass.Dual-layered ceiling diffuser.
- 1700mm long, 350mm diameter. Extendable to 6000mm using ZTR extensions.
- Minimum distance from ceiling to roof space 0.9m.



Low-pitch Rigid Sun Tunnel (TCR 014)

- Double-glazed diffuser, rigid tube and stylish curb-mounted module.
- 1200mm long, 350mm diameter. Extendable to 6000mm using ZTR extensions.
- Custom-made flashing required (not supplied by VELUX).

Clever design

The unique VELUX top flashing allows for a lower installed height. The top flashing element is a one-piece section that overlaps the top of, and diverts water around, the skylight or roof window.

Flashings are available for skylights and roof windows when installed in roofs from 15° - 90°.

Low-pitch skylights require custom made flashings (not supplied by VELUX).





Precision-made Flashings Safe, effective rainwater drainage

The unique construction of VELUX flashings ensures safe drainage of rainwater coming from the roof above the window. Because the roofing material covers both top and sides, VELUX flashings are largely unobtrusive. To harmonise even further with the roofing material, they are available in standard grey aluminium.



EDW flashing - for metal or tile roofing. e.g. corrugate, tile

- Flashing for single skylight or roof window.
- Designed for roof pitches from 15° to 90°.
 For roofs below 15° create pitch-up and use custom made flashing (not supplied by VELUX).



EDL flashing - for flat profile roofing material. e.g. shingle, slate

- Flashing for single skylight or roof window.
- Designed for roof pitches from 15° to 90°.
 For roofs below 15° create pitch-up and use custom made flashing (not supplied by VELUX).



EKW combi flashing - for metal or tile roofing. e.g. corrugate, tile

- · Flashing for combination of multiple skylights or roof windows.
- Can be used to combine units vertically or horizontally.
- Designed for roof pitches from 15° to 90°

Contact VELUX when installing VSS above/below combination due to positioning of solar panel.

Opening Skylights (pitched roofs) **LEW** 1140 x 700 High Performance Double Glazing (04) C04 M04 M06 S01 **S06** Size code ▶ M08 VSS Solar-powered skylight (RRP) \$ 2,040 2,110 2,170 2,230 2,150 2,280 1,820 1,990 VSE Electrically operated skylight (RRP) \$ 1,920 2,030 1,950 2,070 VS Manual opening skylight[†] (RRP) \$ 920 1,000 1,060 1,110 1,030 1,150 †NB: Operating Rod (ZCT 300) for out-of-reach operation and winder handle (ZZZ 201 for within-reach operation in place of hook) to be purchased separately. Blinds (vss, vse, vs) **DSH Solar Blackout blind** White only (RRP) \$ 570 590 610 630 610 650 Wireless wall-mounted keypad supplied

| Fixed Skylights (pitched roofs) | | | | | | | | |
|---|---------------------|-----------|-----------|-----------|------------|------------|------------|-------------|
| 15°-90° Overall frame dimension v | wxh mm | 550 x 700 | 550 x 980 | 780 x 980 | 780 x 1180 | 780 x 1400 | 1140 x 700 | 1140 x 1180 |
| High Performance Double Glazing (04) Size | ze code > | C01 | C04 | M04 | M06 | M08 | S01 | S06 |
| FS Fixed skylight IMPROVED GLASS | (RRP) \$ | 470 | 530 | 600 | 650 | 710 | 630 | 750 |
| Blinds (FS) | | | | | | | | |
| DKD Manual Blackout blind** White only | (RRP) \$ | 170 | 180 | 200 | 220 | 240 | 220 | 260 |
| DSD Solar Blackout blind White only Wireless wall-mounted keypad supplied. | (RRP) \$ | 560 | 570 | 590 | 610 | 630 | 610 | 650 |
| **Requires ZXT 200 control rod for out-of-reach situations (at additional cost). NB: VELUX recommends Solar Blinds for high situations. NEW VELUX blinds do not fit VELUX Skylights manufactured prior to March 2010 and must be explored accordingly. | | | | | | | | |

NEW VELUX blinds do not fit VELUX Skylights manufactured prior to March 2010 and must be ordered accordingly.

| Flashings for pitched roof Skylights (vss, vse, vs, Fs) | | | | | | | | |
|--|----------|-----|-----|-----|-----|-----|-----|-----|
| EDW Flashing Kits For metal or tile roofing material up to 120mm profile height. e.g. corrugate, tile. | (RRP) \$ | 140 | 160 | 170 | 180 | 190 | 200 | 210 |
| EDL Flashing Kits For flat profile roofing material up to 8mm thick (5mm thick when used with FS skylights). e.g. shingle, slate. | (RRP) \$ | 140 | 140 | 160 | 160 | 160 | 190 | 190 |

Note: To group skylights vertically or horizontally and achieve larger sizes use VELUX combi flashings – contact VELUX for details and prices. Consider positioning of solar panel when installing VSS above/below combination.

For roofs below 15° pitch, skylights need to be raised to 15° and custom flashed (not supplied by VELUX).

NEW VELUX flashings do not fit VELUX Skylights manufactured prior to March 2010 and must be ordered accordingly.

| Electric and Rod Controls | | | | | | | |
|---------------------------|---|----|--------------------|--|--|--|--|
| ZZZ 212 | Winder handle (white) to operate VCM low-pitch openable skylights within reach | / | (RRP) \$ 50 | | | | |
| ZZZ 201 | Winder handle (white) to operate VS openable skylights within reach | 8 | (RRP) \$ 50 | | | | |
| ZXT 200 | Extendable rod control to operate DKD/DKC manual fixed skylight blinds. 100cm – 180cm length | N- | (RRP) \$ 60 | | | | |
| ZCT 300 | Extendable rod control to operate VS/VCM manual openable skylights. 145cm – 285cm length | | (RRP) \$ 70 | | | | |
| KLF 200 | Interface Unit. Connect to building managements systems, sensors and switches. WiFi Capable. Individual control of 5 products (or groups), up to 200 products in total. Pairs wirelessly with VSS/VSE/VCS and is wired to the home automation system. | | (RRP) \$ 495 | | | | |

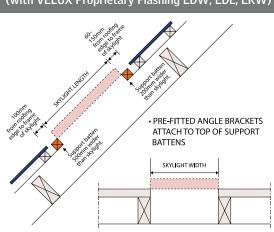
Skylights (flat/low-pitched roofs) High Performance Double Glazing (04) Size code ▶ 2222 2246 3030 2234 2270 3046 3434 4646 2.440 VCS Solar-powered skylight White pvc 2,110 2.220 2,200 (RRP) \$ VCM Manual opening skylight[†] 1.490 1,130 1,260 1,240 (RRP) \$ White pvc 510 560 FCM Fixed skylight (RRP) \$ 450 840 540 670 560 760 Custom-made flashing by Roofer required (not supplied by VELUX). See curb build diagram on back cover. †NB: Operating Rod (ZCT 300) for out-of-reach operation and winder handle (ZZZ 212 for within-reach operation in place of hook) to be purchased separately. Blinds (vcs, vcm, fcm) **DSC Solar Blackout blind** White only VCM/ (RRP) \$ 570 600 590 690 VCS Wireless wall-mounted keypad supplied. **DKC Manual Blackout blind White only** Accessory Tray ZZZ 199 required. (RRP) \$ 180 190 210 200 240 210 300 Requires ZXT 200 control rod for out-of-reach situations **DSC Solar Blackout blind** White only (RRP) \$ 570 590 600 590 640 600 690 Accessory Tray ZZZ 199 required. FCM Wireless wall-mounted keypad supplied. **ZZZ 199 Accessory tray** 190 Required to fit DKC/DSC blinds onto FCM (RRP) \$ 150 160 160 170 180 180 low-pitch skylights only. Recommended for within-reach situations only **Laminated Double Glazing** Size code ▶ **CK02 CK04 MK04 MK06 MK08** SK06 **SK08 GGU Roof Window -** White polyurethane finish 720 780 870 960 1,010 1,220 1,390 Flashings for Roof Window (GGU) **EDW Flashing Kits** 150 160 170 180 190 210 220 For metal or tile roofing material up to (RRP) \$ 120mm profile height e.g. corrugate, tile. **EDL Flashing Kits** For flat profile roofing material up to 8mm thick 140 150 160 170 170 190 200 (RRP) \$ e.g. shingle, slate. Blinds (GGU) **DKL Manual Blackout blind** White only 120 130 150 170 190 210 230 NEW VELUX blinds and flashings do not fit VELUX Roof Windows purchased prior to March 2014 and must be ordered accordingly. Sun Tunnels Pitched roofs TWF 0K14 Sun Tunnel with flexible shaft - 1500mm long, 350mm diameter 490 TWR 0K14 Sun Tunnel with rigid shaft - 1700mm long, 350mm diameter 690 (RRP) \$ 15°-60° ZTR 0K14 Rigid extension – 1180mm long (TWR only) 270 Low-pitch/flat roofs **TCR 014** Sun Tunnel with rigid shaft - 1200mm long, 350mm diameter 790 (RRP) \$ ZTR 0K14 Rigid extension - 1180mm long (RRP) \$ 270 0°-60°

Framing and trim-out guides

Complete installation instructions are supplied with each product and available for download on www.velux.co.nz

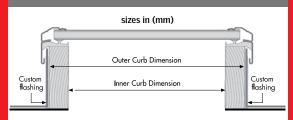
Pitched roof skylights VSS, VSE, VS, FS

(with VELUX Proprietary Flashing EDW, EDL, EKW)



Flat/low-pitched roof skylights VCS, VCM, FCM

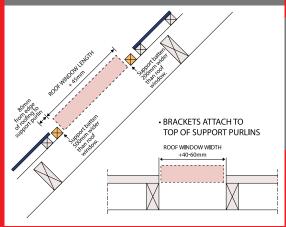
Custom-made flashing by Roofer required (not supplied by VELUX)



| Size | Outer Curb dimensions | Inner Curb dimensions | Skylight Width overall |
|------|-----------------------|-----------------------|------------------------|
| 2222 | 648 x 648 | 572 x 572 | 692 x 692 |
| 2234 | 648 x 952 | 572 x 876 | 692 x 997 |
| 2246 | 648 x 1257 | 572 x 1181 | 692 x 1302 |
| 2270 | 648 x 1867 | 572 x 1791 | 692 x 1911 |
| 3030 | 851 x 851 | 775 x 775 | 895 x 895 |
| 3046 | 851 x 1257 | 775 x 1181 | 895 x 1302 |
| 3434 | 952 x 952 | 876 x 876 | 997 x 997 |
| 4646 | 1257 x 1257 | 1181 x 1181 | 1302 x 1302 |

Roof windows (GGU)

(with VELUX Proprietary Flashing EDW, EDL, EKW)



Bringing light to life.

AUCKLAND HEAD OFFICE & SHOWROOM

Neison Street

Neison Street

Princes Street

VELUX New Zealand Ltd 62b Princes Street, Onehunga 1061 PO Box 12632, Penrose, Auckland 1642

Customer Services: Tel: 0800 650 445 E-mail: info@velux.co.nz

www.velux.co.nz



OPENING TIMES: Auckland Head Office: 8am – 4.30pm (Mon-Fri) Showroom: 8.30am – 4pm (Mon-Fri)