

Keylite Roof Windows Specification

MANUFACTURER: Keylite Roof Windows
Derryloran Industrial Estate
Cookstown
Co. Tyrone
BT80 9LU
TELEPHONE ++44 (0)28 867 58921
FAX ++44 (0)28 867 58923
E-MAIL info@keylite.co.uk

Product Reference:

KEYLITE Centre Pivot: (PCP/CP/WFCP) Polar PVC or clear lacquered pine timber or white finish roof window complete with integrated thermal collar -CP or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations with all necessary enhanced installation accessories.

Or

KEYLITE Top Hung: (PTH/TH/WFTH) Polar PVC or clear lacquered pine timber or white finish roof window complete with integrated thermal collar -TH or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations with all necessary enhanced installation accessories.

Or

KEYLITE Fire Escape: (PFE/FE/WFFE) Polar PVC or clear lacquered pine timber or white finish roof window complete with integrated thermal collar -FE or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations with all necessary enhanced installation accessories.

Or

KEYLITE Conservation: (CW) Polar PVC or clear lacquered pine timber or white finish roof window complete with integrated thermal collar -CW or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations with all necessary enhanced installation accessories.

Note:

Polar PVC Roof Window is ideal for kitchens and bathrooms, or any room prone to smoke, dust or steam. This wipe clean PVC coating has moisture resistant qualities and requires little or no maintenance.

Note: WINDOWS TO OPEN INWARDS FOR CLEANING PURPOSES.

Size:

Refer to drawings and schedules.

Glazing Details:

KEYLITE Thermal: (T) glazing, center pane U-value $1.0 \text{ W/m}^2\text{K}$ made up by, 4mm toughened float inner pane, 4mm toughened outer pane & 20mm argon gas filled cavity. Sound insulation (Rw): 32dB. Light Transmittance (Tv): 0.80. Total solar energy transmittance (g): 0.60.

Or

KEYLITE High Thermal: (HT) glazing, center pane U-value $1.0 \text{ W/m}^2\text{k}$ made up by, 6mm laminated inner pane, 4mm toughened outer pane & 18mm argon gas filled cavity. Sound insulation (Rw): 36dB. Light Transmittance (Tv): 0.79. Total solar energy transmittance (g): 0.59.

Or

KEYLITE Triple Glazing: (KTG) glazing, center pane U-value $0.6 \text{ W/m}^2\text{k}$ made up by, 2no. 4mm float inner pane, 4mm toughened outer pane & 2no. 8mm Krypton filled cavities. Sound insulation (Rw): 32dB. Light Transmittance (Tv): 0.70. Total solar energy transmittance (g): 0.49.

Or

KEYLITE Integral Blind: (I) glazing, center pane U-value $1.0 \text{ W/m}^2\text{K}$ made up by, 4mm toughened inner pane, 4mm toughened outer pane & 20mm argon gas filled cavity which includes the integral blind sealed within the unit. Sound insulation (Rw): 32dB. Light Transmittance (Tv): 0.80. Total solar energy transmittance (g): 0.59.

Or

KEYLITE Frosted Glazing: (TFR) glazing, center pane U-value $1.0 \text{ W/m}^2\text{k}$ made up by, 4mm float frosted (Stippolyte) inner pane, 4mm toughened outer pane & 20mm argon gas filled cavity. Sound insulation (Rw): 32dB. Light Transmittance (Tv): 0.80. Total solar energy transmittance (g): 0.60.

Note: Frosted glazing should be used in W.C's

Enhanced Installation Accessories:

KEYLITE Felt Collar: (FC) to be installed with Keylite Roof Window(s) to create a water tight seal.

KEYLITE Vapour Collar: (VC) to be installed with Keylite roof Window(s) to aid in air tightness.

Flashing to suit:

Propriety (Enter appropriate flashing code from list below) Flashing Kit by roof window manufacturer to suit (Enter make & model of roofing finish) for each window or in multiple systems as shown on drawings.

SRF: Suitable for single roof window installation in slate and flat roofing materials, with a profile not exceeding 10mm thick. Not suitable with interlocking slate.

TRF: Suitable for single roof window installation in flat and profiled roofing materials, with a profile not exceeding 45mm thick. Not suitable with interlocking slate or profiled sheeting.

DTRF: Suitable for single roof window installation in flat and profiled roofing materials, with a profile not exceeding 90mm thick, including profiled sheeting and interlocking slates.

PTRF: Suitable for single roof window installation in plain tiles, with a profile not exceeding 15mm thick.

CRF: Suitable for single roof window installation in flat or profiled metal sheeting. An additional up stand (Not supplied by the manufacturer) is required to compliment the installation and flashing.

System Applications:

Dormer Apex System (DRX)

Roof window combination system, available in a configuration of four or six windows and designed for roof pitches between 35-70°. System to be installed in accordance with manufacturers recommendations with all necessary accessories including, Dormer Apex System frame-work and roof flashing components.

Vertical Bi-Lite System (VBL)

Roof Window and vertical window combination, available in single, double or triple configurations and designed for roof pitches between 20-55°. System to be installed in accordance with manufacturers recommendations with all necessary accessories including, Vertical Bi-Lite roof flashing components.

Ridge System (RG)

Roof window combination system, available in single or multiple configurations and designed for roof pitches between 15-75°. System to be installed in accordance with manufacturers recommendations with all

necessary accessories including, Ridge System roof flashing components.

Flat Roof System (FRS)

Required on roofs below 15 degrees and installed in accordance with manufactures recommendations with all necessary accessories including the Flat Roof System Flashing.

Combi Flat Roof System (CFRS)

Required on roofs below 15 degrees and allowing a combination of windows to be installed in accordance with manufactures recommendations with all necessary accessories including the Combi Flat Roof System Flashing.

Flat Roof Apex System (FRX)

Required on roofs below 5 degrees and allowing a combination of windows to create an atrium. To be installed in accordance with manufactures recommendation with all necessary accessories including the Flat Roof Apex Flashing.

Electric Operation:

Standard Electric Kit (SEK)

System includes transformer wall switch that should be hardwired. Motor(s) factory fitted to Centre Pivot windows specified above.

Or

Premium Electric Kit (PEK)

System includes motor, rain sensor & power supply unit that should be plugged into the Electric Control Unit supplied. Complete with remote control operation.

Motor(s) factory fitted to Centre Pivot windows specified above.

Or

Solar Premium Electric Kit (SPEK)

System includes Solar Panel, motor, rain sensor & battery pack, all of which should be plugged into the Electric Control Unit supplied. Complete with remote control operation.

Motor(s) factory fitted to Centre Pivot windows specified above.

Or

Smoke Ventilation Kit (SVK)

System is fully certified to EN12101-2 and includes motor, Control Unit, Smoke Detector, Break-Glass Unit and 72hr Battery Back-Up. Motor(s) factory fitted to Centre Pivot windows specified above.

Note: Smoke Ventilation Kit can be upgraded to comply with Aerodynamic Smoke Ventilation requirements by including the optional Wind Deflector (WD) to the SVK.

Internal Blinds:

All blinds shall be of the same manufacturer as the roof windows and shall be made to order. All blinds to be of a (Enter Blind Type - Dimout/Blackout/Moisture resistant) fabric with the colour to be agreed. Blinds to be operated (Enter from the list below - Manual/Electric/Solar)

Manual Operation: (BPS/BPW) to be installed with manually operated Keylite Roof Window(s).

Electric Operation: (BPS E) to be installed with Electric Keylite Roof Window(s) that already have a Premium Electric Kit (PEK) added. Blind will be controlled via the PEK Remote Control.

Solar Operation: (BPS S) to be installed with manually operated Keylite Roof Window(s) or Keylite Roof Window(s) that already have a Solar Premium Electric Kit (SPEK) added.

External Blinds:

Awning Blind (AWB): To be installed with Keylite Roof Window(s) above.

Roller Shutter (RS): To be installed with Keylite Roof Window(s) above. System comes complete with electric operation and a choice of remote control operation or control via a wall mounted switch.

Accessories:

Security Lock: to be factory fitted to above windows.

Opening Restrictor: to be factory fitted to above windows.

Window & Blind Opening Pole: to be included.

Note:

Security Locks and Opening Restrictors cannot be factory fitted to Top Hung (TH) or Fire Escape (FE) roof windows.