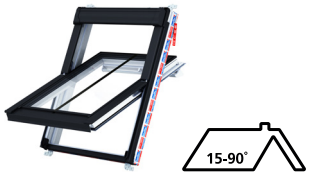
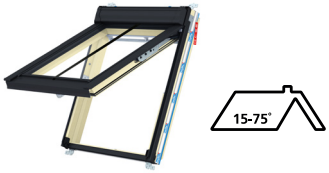
Conservation
Roof Window





The Keylite Conservation Roof Window is designed to complement both renovation and new build projects in a traditional site.

Features

- **Traditional Features** - The black central Georgian bar and low profile external flashing helps maintain the traditional character of the building, whilst still accommodating the flow of natural light to the interior below. The Georgian bar can be removed upon request.
- **Classic Design** - While traditional in its external appearance, the standard Conservation Roof Window benefits from all of the advanced Keylite features listed below.
- **Additional Visible Glazing** - More height means more light! The new streamlined hood, flashing and timber profiles reveal more visible glazing than ever before.
- **Recessed Fit as Standard** - Every Keylite Roof Window is recessed as standard, sitting lower in the roof than ever before.
- **New Profile Hood** - Keylite's new hood features a more ornate design, enhancing its appearance in the roof.
- **Click-Fit Hood** - Simply click the hood under the hood hooks and secure into position by clicking the hood in at each end. The cover flashings now require 50% fewer screws than before.
- **Integrated Thermal Collar** - Unlike other roof windows, Keylite's thermal collar is integrated into the frame. The collar is activated by simply pulling the release tabs for a fast insulation solution, combating cold bridging.
- **Warm Edge Glazing** - Every Keylite Roof Window now has a warm edge glazing unit as standard, to enhance the windows performance and reduce the occurrence of condensation.
- **Flick-Fit Brackets** - Keylite's unique Flick-Fit brackets are prefitted so you can lift the window straight from the box to the roof and simply select the setting for tile or slate.
- **Ventilation handle** - Keylite's slimline ventilation handle has a new contemporary style, designed to provide comfortable opening of both the window and the ventilation flap.
- **All Weather Ventilation** - Keylite Roof Windows all provide trickle ventilation, even with the window fully closed and securely locked. The built in ventilation filter ensures no insects pass into the room, only clean fresh air.
- **Maintenance Free Hinge** - The hinge being the most vital component of the window, is the only operational part that moves. Keylite has eliminated the maintenance requirement of this component.

Application

- Keylite recommend installing the window so that the frame top is between 1.85 - 2.20m above the floor for ease of operation.
- For installation of roof windows above 2.2m Keylite also recommend electrical operation and a laminated inner safety pane.

Operation

- **CWTCP/CWWCP/CWPCP** - The Keylite Conservation Centre Pivot Roof Window is operated manually as standard, through the full width use of our ventilation handle, located along the top of the sash. Electric operation is also available as an additional accessory.
- **CWTTH/CWTFE/CWPTH/CWPFE** - The Keylite Conservation Top Hung/Fire Escape roof window is operated manually as standard, through rotating the handle, located along the bottom of the sash.

Guarantee

- **10 Years** - Keylite's hassle free guarantee on windows and flashings
- **3 Years** - Keylite's hassle free guarantee on blinds, accessories and electrics.

Installation and Accessory Products

- Flashings -
  - Single Installation:
    - Tile (CW-TRF)
    - Deep Tile (CW-DTRF)
    - Slate (CW-SRF)
    - Plain Tile (CW-PTRF)
    - Corrugated Roof (CW-CRF)
  - Combination Installation:
    - Combi Tile (CW-CTRF)
    - Combi Slate (CW-CSRF)
    - Combi Plain Tile (CW-CPTRF)
    - Bi-Lite Tile (CW-BLTRF)
    - Bi-Lite Slate (CW-BLSRF)
    - Quad Lite Tile (CW-QLTRF)
    - Quad Lite Slate (CW-QLSRF)
- Additional Installation Products -
  - Underfelt Collar (FC)
  - Vapour Collar (VC)
- Accessories -
  - 2 metre window pole (WP2)
  - 3 metre window pole (WP3)
  - Solar Powered electric kit (SPEK)*
  - Premium electric kit (PEK)*
  - Standard electric kit (SEK)*
  - Opening restrictor (OR)
  - Security lock (SL)
- Blinds -
  - Integral Blind (I)
  - Dim out Blind (D)
  - Black out Blind (B)

*Available on CP windows ONLY





Window Sizes (WxH)	550x780	550x980	660x1180	780x1180	780x1400	1340x980	550x980	660x1180	780x1180	780x1400
	Pine Finish									
	Centre Pivot						**Top Hung**	**Fire Escape**		
Thermal Product Code	CW TCP 01 T	CW TCP 02 T	CW TCP 03 T	CW TCP 05 T	CW TCP 06 T	CW TCP 09 T	CW TH 02 T	CW TFE 03 T	CW TFE 05 T	CW TFE 06 T
Hi Therm Product Code	CW TCP 01 HT	CW TCP 02 HT	CW TCP 03 HT	CW TCP 05 HT	CW TCP 06 HT	CW TCP 09 HT	CW TH 02 HT	CW TFE 03 HT	CW TFE 05 HT	CW TFE 06 HT
	White Finish									
	Note: To order White Finish please insert the reference "W" to the code ie. CW **W**CP 04 T.									

Note: Other sizes are available, please contact the Keylite Sales Team for details of full range.

Thermal Performance

		Thermal [T]	Hi Therm [HT]	Triple [KTG]	Frosted [T-FR]
Window U value	Uw [W/m²K]	1.3	1.3	1.0	1.3
Centre pane U value	Ug [W/m²K]	1.1	1.1	0.6	1.1

Glazing

Thermal (T) - Double glazed, toughened outer pane, argon gas filled cavity, float inner pane.

Hi-Therm (HT) - Double glazed, toughened outer pane, argon gas filled cavity, laminated inner pane with enhanced noise reduction.

Triple Glazed (KTG) - Triple glazed, toughened outer pane, krypton gas filled cavity, float centre pane, krypton gas filled cavity, float inner pane with enhanced sound and thermal insulation.

Frosted (FR) - Double glazed, toughened outer pane, argon gas filled cavity, frosted float inner pane.

Note: Self-cleaning glass available upon request. For further information, please contact the Keylite technical team.

Maintenance

- The glazing pane of a Keylite Conservation Roof Window can be cleaned with a soft, clean cloth/chamois or non-metal squeegee. Clean water will be sufficient for cleaning the pane.
- The sash can be rotated through 180˚ where the outer pane can become available for cleaning once locked in position using the plastic locking mechanism located along the top of the sash.

Glazing Option

Glazing Option - Results			Thermal [T]	Hi Therm [HT]	Triple [KTG]	Frosted [FR]
UV	Transmittance (%)	τ_{uv}	44	0	31	43
Light	Transmittance for standard illuminant D65 (%)	τ_v	82	81	74	80
	Reflectance for standard illuminant D65 (%)(*)	ρ_v	12	12	16	12
	Reflectance for standard illuminant D65 (%)(**)	ρ_v	12	12	16	12
	General colour rendering index (%)	Ra	98	98	97	96
Energy	Solar direct transmittance (%)	τ_e	58	53	46	57
	Solar direct reflectance (%)(*)	ρ_e	28	28	33	27
	Solar direct reflectance (%)(**)	ρ_e	27	23	32	26
	Solar direct absorption (%)(*)	a	14	19	21	14
	Total solar energy transmittance (Solar Factor) EN410 (%)(*)	g	64	64	55	63
	Shading coefficient (+g_DIN/0.87)(*)	sc	0.74	0.73	0.64	0.73

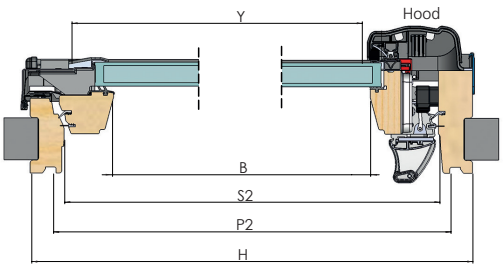
(*) Incident Radiation from the outside (**) Incident Radiation from the inside

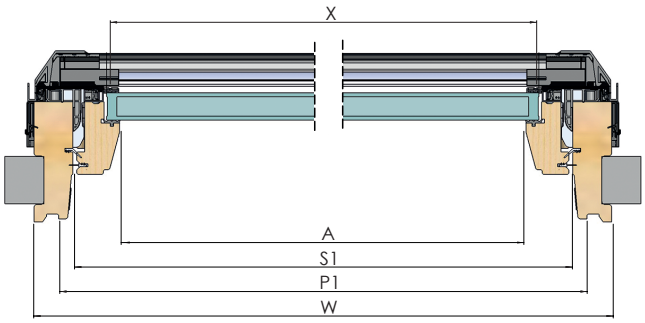
keylite®
Roof Windows

Technical Information

Window Type	Window Size	External Frame Size (mm)		Sash Size (mm)		Glazing Size (mm)		Visable Glazing Size (mm)		Plasterboard (mm)		Natural Daylight Area (m²)	Equivalent Ventalation Area (mm²)	Structural Opening Size Required (mm)	
		W	H	S1	S2	X	Y	A	B	P1	P2			W	H
CW	01	550	780	460	690	396	593	370	558	496	720	0.206	3,879	590	820
CW	02	550	980	460	890	396	793	370	758	496	920	0.280	3,879	590	1020
CW	01C	550	1180	460	1090	396	993	370	958	496	1120	0.354	3,879	590	1220
CW	03	660	1180	570	1090	506	993	480	958	606	1120	0.460	4,658	700	1220
CW	04	780	980	690	890	626	793	600	758	726	920	0.455	6,567	820	1020
CW	05	780	1180	690	1090	626	993	600	958	726	1120	0.575	6,567	820	1220
CW	06	780	1400	690	1310	626	1213	600	1178	726	1340	0.707	6,567	820	1440
CW	07F	940	1400	850	1310	786	1213	760	1178	886	1340	0.895	7,914	980	1440
CW	07	940	1600	850	1510	786	1413	760	1378	886	1540	1.047	7,914	980	1640
CW	08	1140	1180	1050	1090	986	993	960	958	1086	1120	0.920	9,597	1180	1220
CW	09	1340	980	1250	890	1186	793	1160	758	1286	920	0.879	11,281	1380	1020
CW	10	1340	1400	1250	1310	1186	1213	1160	1178	1286	1340	1.366	11,281	1380	1440
CW	01XS	550	550	460	460	396	363	370	328	496	490	0.121	3,879	590	590
CW	01S	550	700	460	610	396	513	370	478	496	640	0.177	3,879	590	740
CW	01F	550	1400	460	1310	396	1213	370	1178	496	1340	0.436	3,879	590	1440
CW	01G	550	1600	460	1510	396	1413	370	1378	496	1540	0.510	3,879	590	1640
CW	03XS	660	550	570	460	506	363	480	328	606	490	0.157	4,658	700	590
CW	03S	660	700	570	610	506	513	480	478	606	640	0.229	4,658	700	740
CW	03A	660	780	570	690	506	593	480	558	606	720	0.268	4,658	700	820
CW	03B	660	980	570	890	506	793	480	758	606	920	0.364	4,658	700	1020
CW	03F	660	1400	570	1310	506	1213	480	1178	606	1340	0.565	4,658	700	1440
CW	03G	660	1600	570	1510	506	1413	480	1378	606	1540	0.661	4,658	700	1640
CW	04XS	780	550	690	460	626	363	600	328	726	490	0.197	6,567	820	590
CW	04S	780	700	690	610	626	513	600	478	726	640	0.287	6,567	820	740
CW	04A	780	780	690	690	626	593	600	558	726	720	0.335	6,567	820	820
CW	04G	780	1600	690	1510	626	1413	600	1378	726	1540	0.827	6,567	820	1640
CW	07XS	940	550	850	460	786	363	760	328	886	490	0.249	7,914	980	590
CW	07S	940	700	850	610	786	513	760	478	886	640	0.363	7,914	980	740
CW	07A	940	780	850	690	786	593	760	558	886	720	0.424	7,914	980	820
CW	07B	940	980	850	890	786	793	760	758	886	920	0.576	7,914	980	1020
CW	07C	940	1180	850	1090	786	993	760	958	886	1120	0.728	7,914	980	1220
CW	08XS	1140	550	1050	460	986	363	960	328	1086	490	0.315	9,597	1180	590
CW	08S	1140	700	1050	610	986	513	960	478	1086	640	0.459	9,597	1180	740
CW	08A	1140	780	1050	690	986	593	960	558	1086	720	0.536	9,597	1180	820
CW	08B	1140	980	1050	890	986	793	960	758	1086	920	0.728	9,597	1180	1020
CW	08F	1140	1400	1050	1310	986	1213	960	1178	1086	1340	1.131	9,597	1180	1440
CW	08G	1140	1600	1050	1510	986	1413	960	1378	1086	1540	1.323	9,597	1180	1640
CW	09XS	1340	550	1250	460	1186	363	1160	328	1286	490	0.380	11,281	1380	590
CW	09S	1340	700	1250	610	1186	513	1160	478	1286	640	0.554	11,281	1380	740
CW	09A	1340	780	1250	690	1186	593	1160	558	1286	720	0.647	11,281	1380	820
CW	09C	1340	1180	1250	1090	1186	993	1160	958	1286	1120	1.111	11,281	1380	1220
CW	09G	1340	1600	1250	1510	1186	1413	1160	1378	1286	1540	1.598	11,281	1380	1640

Cross Section





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