

Centre Pivot Roof Window

Keylite's most versatile window, suitable for single or multiple applications in any roof with a pitch of 15° - 90°



Features

- ▶ **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.
- ▶ **Flick-Fit Brackets** - Keylite's unique Flick-Fit brackets are pre-fitted so you can lift the window straight from the box to the roof and simply select the setting for tile or slate
- ▶ **Click-Fit Hood** - Simply click the hood under the clips and secure. The cover flashings now require 50% fewer screws than before
- ▶ **Recessed Fit as Standard** - Every Keylite **Futuretherm** window is recessed as standard, sitting lower in the roof than ever before.
- ▶ **Low Profile Hood** - Keylite's new hood has a lower profile and features a more sculptured design, enhancing its appearance in the roof.
- ▶ **Warm Edge Glazing** - Every Keylite **Futuretherm** window now has a warm edge glazing unit as standard, to enhance the windows performance and reduce the occurrence of condensation.
- ▶ **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.
- ▶ **Sash Finger Springs** - The sash hinge finger spring allows the sash to be installed back into the frame in one smooth effortless motion.
- ▶ **Approved** - Keylite have invested in their products in order to gain third party accreditations from national bodies such as the BBA. During these assessments our products are subjected to rigorous tests to ascertain they meet the standards required in the following fields; structural stability, ventilation requirements, weathertightness, thermal insulation and performance in relation to fire.



Installation and Accessory Products

- ▶ **Flashings**
 - Single Installation:
 - Deep Tile (DTRF)
 - Slate (SRF)
 - Corrugated Roof (CRF)
 - Combination Installation:
 - Combi Tile (CTRF)
 - Combi Slate (CSRF)
 - Bi-Lite Tile (BLTRF)
 - Bi-Lite Slate (BLSRF)
 - Quad Lite Tile (QLTRF)
 - Quad Lite Slate (QLSRF)
- ▶ **Accessories** -
 - 2 metre window pole (WP2M)
 - 3 metre window pole (WP3M)
 - Premium electric kit (PEK1W)
 - Standard electric kit (SEK1W)
 - Security lock (SL)
- ▶ **Blinds** -
 - Integral Blind (CP-I)
 - Electric Integral Blind (CP-EI)
 - Black out Blind (CP-BB)

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.

Operation

- ▶ The Keylite 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.









Guarantee

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

Finish Options

- ▶ Interior - Pine
 - White (WF)
- ▶ Exterior - Grey
 - Conservation Black (C)



		Sizes (WxH)						
		 550x780	 550x980	 780x980	 780x1180	 780x1400	 1140x1180	 1140x1400
 Keylite Centre Pivot Window	White Finish	WF-CP-01	WF-CP-02	WF-CP-04	WF-CP-05	WF-CP-06	WF-CP-08	WF-CP-08F
	Pine Finish			PF-CP-04		PF-CP-06	PF-CP-08	

*Please Note: Additional sizes may be available upon request, please contact the Adlux Technical Department for further information.

Thermal Performance

		Hi Therm [HT]	Triple [KTGP]
Window U value	Uw [W/m²K]	1.3	1.0
Centre pane U value	Ug [W/m²K]	1.0	0.6

PSI Values

	W/m²K
Roof Window Head	0.058
Roof Window Jamb	0.058
Roof Window Sill	0.049

Glazing

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

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

Maintenance

- ▶ The glazing pane of a Keylite Centre Pivot 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.

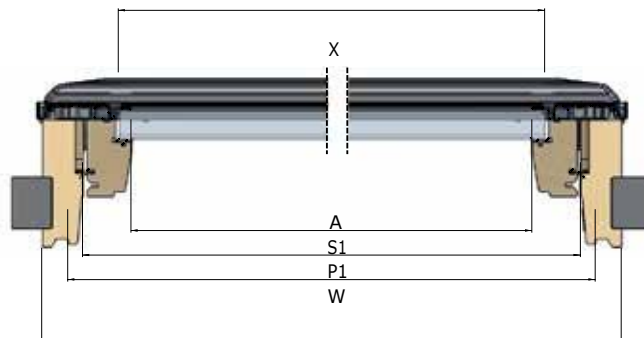
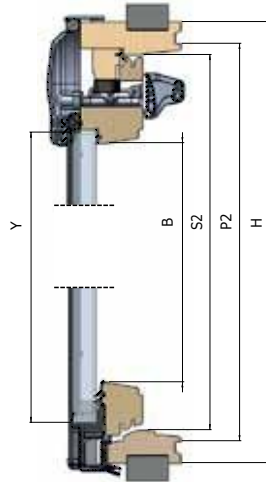
Glazing Option

Glazing Option - Results			Hi Therm [HT]	Triple [KTGP]
UV	transmittance (%)	τ_{uv}	= 3,7	= 19,9
Light	transmittance for standard illuminant D65 (%)	τ_v	= 79,5	= 70,9
	reflectance for standard illuminant D65 (%) (*)	ρ_v	= 12,2	= 15,2
	reflectance for standard illuminant D65 (%) (**)	ρ_v	= 12,2	= 17,8
	general colour rendering index (%)	Ra	= 97,1	= 95,6
Energy	solar direct transmittance (%)	τ_e	= 51,4	= 41,8
	solar direct reflectance (%) (*)	ρ_e	= 28,7	= 33,3
	solar direct reflectance (%) (**)	ρ_e	= 23,8	= 30,9
	solar direct absorption (%) (*)	a	= 19,9	= 24,9
	secondary internal heat transfer factor (%) (*)	qi	= 11,1	= 11,0
	total solar energy transmittance (solar factor) EN 410 (%) (*)	g	= 62,5	= 52,7
	total solar energy transmittance (solar factor) DIN 67507 (%) (*)	g	= 59,5	= 49,8
shading coefficient (+g_DIN/0,87) (*)	sc	= 0,68	= 0,57	

Technical Information

Window Type	Window Size	External Frame Size (mm)		External Plasterboard (mm)		Sash Size (mm)		Glazing Size (mm)		Visible Glazing Size (mm)		Internal Plasterboard (mm)		Natural Daylight Area (m ²)	Equivalent Ventilation Area (m ²)	Opening Size Required (mm)	
		W	H	W1	H1	S1	S2	X	Y	A	B	P1	P2			W	H
CP	01	550	780	521	745	460	690	396	593	371	531	496	720	0.197	0.317	590	820
CP	02	550	980	521	945	460	890	396	793	371	731	496	920	0.271	0.409	590	1020
CP	04	780	980	751	945	690	890	626	793	601	731	726	920	0.439	0.614	820	1020
CP	05	780	1180	751	1145	690	1090	626	993	601	931	726	1120	0.560	0.752	820	1220
CP	06	780	1400	751	1365	690	1310	626	1213	601	1151	726	1340	0.692	0.904	820	1440
CP	08	1140	1180	1111	1145	1050	1090	986	993	961	931	1086	1120	0.895	1.145	1180	1220
CP	08F	1140	1400	1111	1365	1050	1310	986	1213	961	1151	1086	1340	1.106	1.376	1180	1440

Cross Section



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