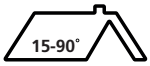
Manual Skylight





The Keylite Manual Skylight is suitable for single or multiple applications in any roof with a pitch 15° – 90°. It is the perfect way of maximizing both daylight and natural ventilation.

Features

- **Ventilation** - The Keylite Manual Skylight is designed to allow natural ventilation to flow into the room in which it occupies. The amount of ventilation can be controlled by the user by simply selecting the desired resting position of the winder.
- **Ease Of Use** – Manual Skylights can be operated through the use of the opening winder. The Skylight will begin to open when the winder is rotated in a clockwise manner. Additional opening poles can be provided where necessary.
- **Insect Screen** – Keylite have incorporated an insect screen that is built in to every one of their Manual Skylights as standard.
- **Integrated Thermal Collar** – Unlike other Skylights, Keylites thermal collar is integrated into the frame. The thermal collar is activated simply by pulling the release tabs for a fast insulation solution.
- **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.
- **Recessed fit as standard** – Keylite Skylights all come recessed as standard sitting lower in the roof than ever before. There are no additional cost and improved thermal performance as a result.
- **Appearance** – The Keylite Manual Skylight is provided with all the same aesthetically pleasing features as all of our standard Skylights.
- **Low Profile Hood** – Keylite's new hood has a lower profile and features a more sculpted design, enhancing its appearance in the roof.
- **Glazing** – All Keylite Skylights are complete with a warm edge glazing unit as standard. This not only enhances the windows overall performance but also assists in reducing the occurrence of condensation. Furthermore Keylites glazing blocks approximately 80% of harmful radiant heat and approximately 99.9% of harmful UV rays.

Thermal Performance

		Sun Guard (SG) Glazing Unit
Centre Pane U-Value	Ug [W/m²K]	1.0
Window U-Value	Uw [W/m²K]	1.3



Application

- Keylite recommend installing the window so that the frame bottom is between 1.85 – 2.20m above the floor for ease of operation using handle winder.
- For installation of Skylights above 2.2m Keylite recommend electrical operation and the alternative RWE product.

Operation

- The Keylite Manual Skylight is operated as standard, through extending and retracting the chain using our opening pole / winder.

Glazing

- Sun Guard (SG) – Double glazed 4mm toughened outer Sun Guard pane, 18mm argon gas filled cavity, 6.38mm laminated inner pane.

Finish

- Interior - White
- Exterior - Grey

Guarantee

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

Maintenance

- The glazing pane of a Keylite Skylight can be cleaned with a soft, clean cloth/ chamois or non-metal squeegee. Clean water will be sufficient for cleaning the pane.

Installation and Accessory Products

Flashings
Single Installation
- Deep Tile (ATRF)

Additional Options Available
- Solar Powered Blinds
- 0.6m opening pole included
- 1.5m telescopic pole extendable to 3m

Size Range

Window Sizes (WxH)	550x700	550x980	550x1180	550x1400	780x980	780x1180	780x1400	1140x700	1140x1180
Product Code	RWM 01S	RWM 02	RWM 01C	RWM 01F	RWM 04	RWM 05	RWM 06	RWM 08S	RWM 08

Glazing Option

Glazing Results			Sun Guard [SG]
UV	Transmittance	τ	0.01
Thermal Performance	Thermal Conductance (U-Value) [W/(m².K)]	Ug	1.00
Light	Transmittance for standard illuminant D65	τ_v	0.50
	Reflectance for standard illuminant D65 (*) external	ρ_v	0.11
	For standard illuminant D65 (**) internal	ρ_v	0.13
	General colour rendering index	R	0.92
Energy	Solar direct transmittance	τ_e	0.22
	Solar direct reflectance (*) external	ρ	0.40
	Solar direct reflectance (**) internal	ρ	0.43
	Solar direct absorption (*)	a	0.36
	Secondary internal heat transfer factor (*)	qi	0.03
	Solar heat gain coefficient (SHGC)	g	0.24
	Shading coefficient (+g_DIN/0,87)(*)	sc	0.32
Sound	Sound reduction (dB)	rw	36

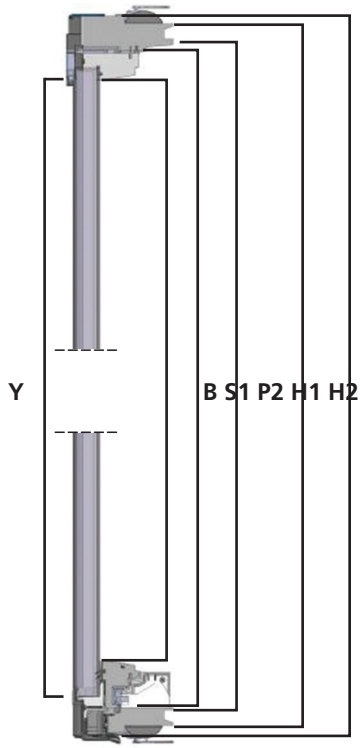
See our ‘Sun Guard Glazing Datasheet’ for full specification.

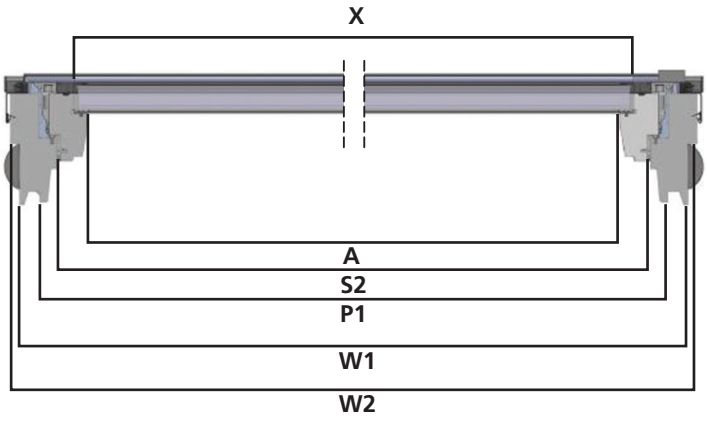
keylite®
Roof Windows

Technical Information

Window Type	Window Size	External Plasterboard (mm)		External Frame Size (mm)		Sash Size (mm)		Glazing Size (mm)		Visible Glazing Size (mm)		Internal Plasterboard (mm)		Natural Daylight Area (m^2)	Opening Size Required (mm)	
		W1	H1	W2	H2	S1	S2	X	Y	A	B	P1	P2		W	H
RWM	01S	530	680	546	696	457	595	396	573	371	511	480	634	0.189	590	740
RWM	02	530	960	546	976	457	875	396	853	371	791	480	914	0.293	590	1020
RWM	01C	530	1160	546	1176	457	1075	396	1053	371	991	480	1114	0.367	590	1220
RWM	01F	530	1380	546	1396	457	1291	396	1273	371	1211	480	1334	0.449	590	1440
RWM	04	760	960	776	976	687	875	626	853	601	791	710	914	0.475	820	1020
RWM	05	760	1160	776	1176	687	1075	626	1053	601	991	710	1114	0.595	820	1220
RWM	06	760	1380	776	1396	687	1291	626	1273	601	1211	710	1334	0.727	820	1440
RWM	08S	1120	680	1136	696	1087	595	986	573	961	511	1070	634	0.491	1180	740
RWM	08	1120	1160	1136	1176	1087	1075	986	1053	961	991	1070	1114	0.952	1180	1220

Cross Sections





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