

Top Hung Roof Window Manual

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 light and 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 supplied as standard. 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 of one 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 95% of harmful UV rays.

Thermal Performance

		Sun Guard (SG) Glazing Unit
Centre Pane U-Value	Ug [W/m²K]	1.1
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.
- ▶ For installation of Skylights above 2.2m Keylite recommend electrical operation with 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, 6mm 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 (DTRF)

Combination Installation

- ▶ Combi Tile (CTRF)
- ▶ Bi-Lite Tile (BLTRF)
- ▶ Quad Lite Tile (QLTRF)









Blinds

- ▶ Integral Blind (RWM-IB)
- ▶ BlackoutBlind (RWM-BB)

Additional Options Available

- ▶ 0.06m opening handle included
- ▶ Extension poles options also available for 2m or 3m
- ▶ Security Lock (SL)

Size Range

		Sizes (WxH)								
										
	White Finish	RWM-01	RWM-02	RWM-04	RWM-05	RWM-06	RWM-08A	RWM-08		

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

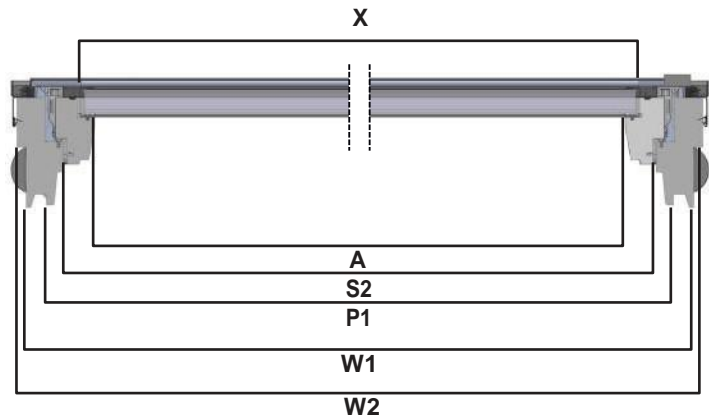
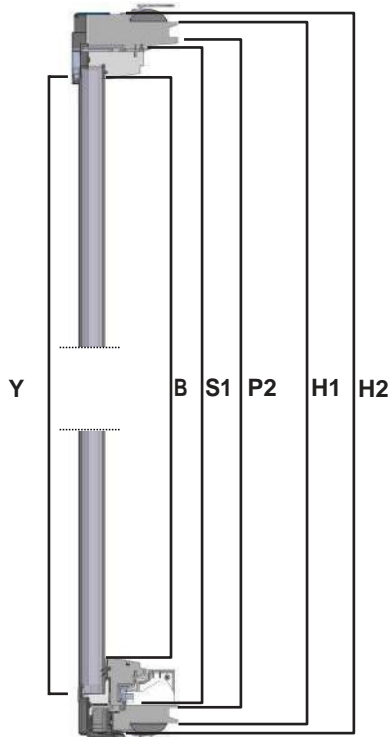
Glazing Option

Glazing Results			Sun Guard [SG]
UV	Transmittance	τ_{uv}	0.01
Light	Transmittance for standard illuminant D65	τ_v	0.50
	Reflectance for standard illuminant D65 (*) external	ρ_v	0.15
	For standard illuminant D65 (**) internal	ρ_v	0.14
	General colour rendering index	R_a	0.89
Energy	Solar direct transmittance	τ_e	0.20
	Solar direct reflectance (*) external	ρ_e	0.44
	Solar direct reflectance (**) internal	ρ_e	0.41
	Solar direct absorption (*)	a	0.36
	Secondary internal heat transfer factor (*)	q_i	0.03
	Solar heat gain coefficient (SHGC)	g	0.23
	Shading coefficient (+g_DIN/0,87)(*)	sc	0.26
Sound	Sound reduction (dB)	rw	37

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)	Opening Size Required (mm)	
		W2	H2	W1	H1	S1	S2	X	Y	A	B	P1	P2		W	H
RWM	01	550	780	505	735	457	675	396	653	371	591	480	714	0.219	590	820
RWM	02	550	980	505	935	457	875	396	853	371	791	480	914	0.293	590	1020
RWM	04	780	980	735	935	687	875	626	853	601	791	710	914	0.475	820	1020
RWM	05	780	1180	735	1135	687	1075	626	1053	601	991	710	1114	0.596	820	1220
RWM	06	780	1400	735	1355	687	1295	626	1273	601	1211	710	1334	0.728	820	1440
RWM	08A	1140	780	1095	735	1087	675	986	653	961	591	1070	714	0.568	1180	820
RWM	08	1140	1180	1095	1135	1087	1075	986	1053	961	991	1070	1114	0.952	1180	1220

Cross Sections



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