

Skylight Electric

The Keylite Electric Skylight, installed in out of reach locations, can be opened with ease through the use of our electric operations.

Features

- ▶ **Installation** – When a Keylite Electric Skylight is ordered the motor and control units are factory fitted free of charge. The remainder of the kit will have to be installed independently.
- ▶ **Plug In and Power Up** – Our Electric Skylight is now easier to install than ever before, its plug in features have removed the complex wiring from the process.
- ▶ **Control** – Keylite Electric Operation Kits allow the opening of an Electric Roof Window to be operated by a remote control.
- ▶ **Insect Screen** - Keylite have incorporated an insect screen that is built in to every one of their Electric Skylights as standard.
- ▶ **Multi Window Function** – Keylite Electric Skylights can be placed in combinations and controlled so that the windows open and close seamlessly in tandem with one another.
- ▶ **Integrated Thermal Collar** - Unlike other Skylights 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.
- ▶ **Recessed Fit as standard** - Keylite windows all come recessed as standard sitting lower in the roof than before. No additional cost and Improved Thermal Performance as a result.
- ▶ **Appearance** - The Keylite Electric 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 sculptured 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.

Operation

- ▶ The Keylite Electric Skylight is preinstalled with an electric motor control system. This system will include and be operated by a remote control and a rain sensor.

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)

Additional Installation Products

- ▶ Underfelt Collar (FC)
- ▶ Vapour Collar (VC)










Blinds

- ▶ Integral Blind (RWEI)
- ▶ Dim out Blind (SA/D)
- ▶ Black out Blind (SA/B)

Additional Options Available

- ▶ Wall Mounted Control
- ▶ Thermostatic Control
- ▶ Timer Control
- ▶ CO² Venting
- ▶ Electric Blinds
- ▶ Multiple Window Control for commercial applications

Size Range

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

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

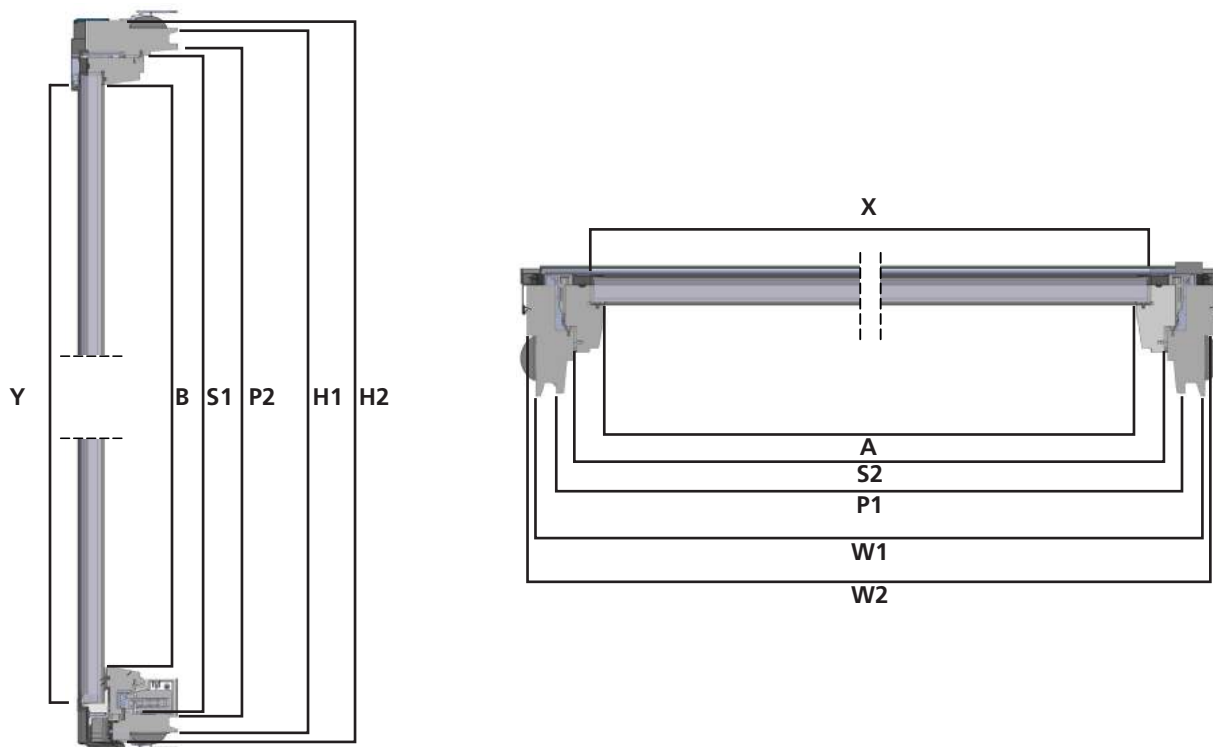
Glazing Option

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

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
RWE	01S	530	680	550	700	457	595	420	597	395	535	504	658	0.211	590	740
RWE	02	530	960	550	980	457	875	420	877	395	815	504	938	0.323	590	1,020
RWE	01C	530	1160	550	1180	457	1075	420	1077	395	1015	504	1138	0.401	590	1,220
RWE	01F	530	1380	550	1400	457	1291	420	1293	395	1231	504	1354	0.486	590	1,440
RWE	04	760	960	780	980	687	875	650	877	625	815	734	938	0.509	820	1,020
RWE	05	760	1160	780	1180	687	1075	650	1077	625	1015	734	1138	0.634	820	1,220
RWE	06	760	1380	780	1400	687	1291	650	1293	625	1231	734	1354	0.769	820	1,440
RWE	08S	1120	680	1140	700	1087	595	1050	597	1025	535	1134	658	0.548	1180	740
RWE	08	1120	1160	1140	1180	1087	1075	1050	1077	1025	1015	1134	1138	1.040	1180	1,220

Cross Sections



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