

# Top Hung Roof Window 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 no lower than 1.85m 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)
- ▶ Black out Blind (RWE-BB)

### Additional Options Available

- ▶ Wall Mounted Control
- ▶ Thermostatic Control
- ▶ Timer Control
- ▶ CO<sup>2</sup> Venting
- ▶ Electric Blinds
- ▶ Multiple Window Control for commercial applications

## Size Range

		Sizes (WxH)								
										
		550x780	550x980	780x980	780x1180	780x1400	1140x780	1140x1180		
	White Finish	<b>RWE-01</b>	<b>RWE-02</b>	<b>RWE-04</b>	<b>RWE-05</b>	<b>RWE-06</b>	<b>RWE-08A</b>	<b>RWE-08</b>		

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

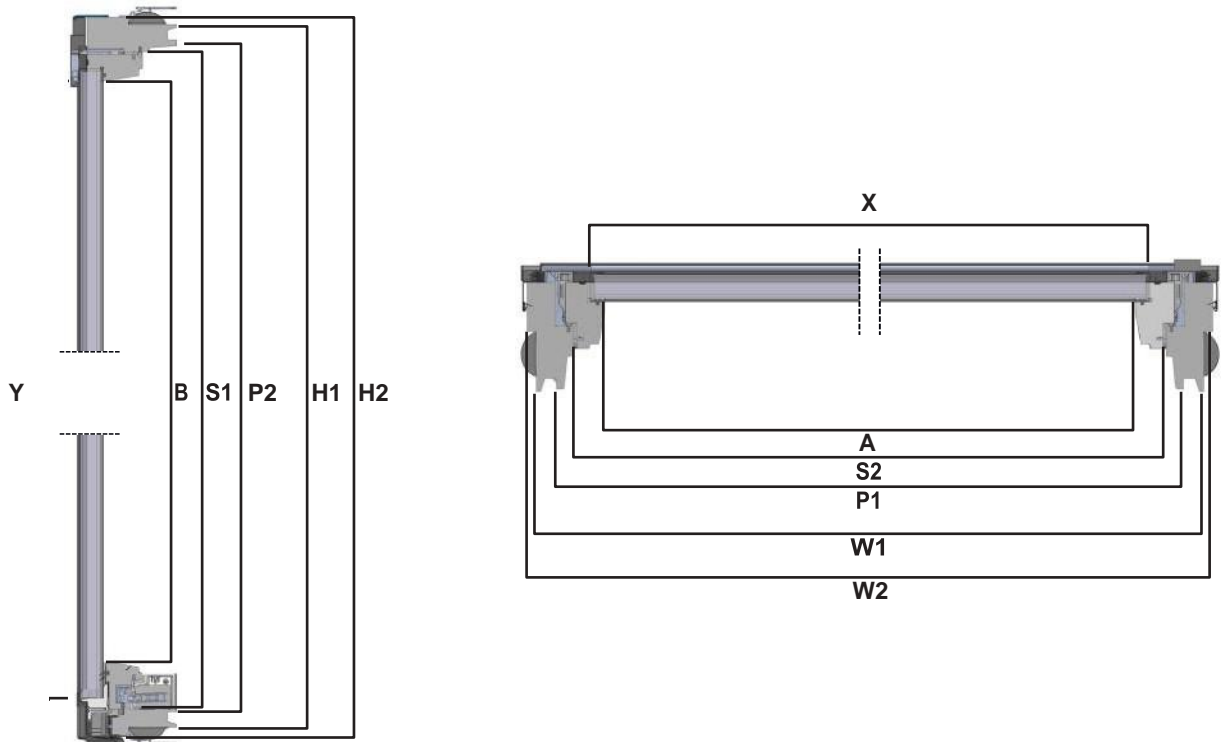
## Glazing Option

Glazing Results			Sun Guard [SG]
UV	Transmittance	$\tau_{uv}$	0.01
Light	Transmittance for standard illuminant D65	$\tau_v$	0.50
	Reflectance for standard illuminant D65 (*) external	$\rho^v$	0.15
	For standard illuminant D65 (**) internal	$\rho^v$	0.14
	General colour rendering index	$R_a$	0.89
Energy	Solar direct transmittance	$\tau_e$	0.20
	Solar direct reflectance (*) external	$\rho^e$	0.44
	Solar direct reflectance (**) internal	$\rho^e$	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 <sup>2</sup> )	Opening Size Required (mm)	
		W2	H2	W1	H1	S1	S2	X	Y	A	B	P1	P2		W	H
RWE	01	550	780	505	735	457	675	396	653	371	591	480	714	0.219	590	820
RWE	02	550	980	505	935	457	875	396	853	371	791	480	914	0.293	590	1020
RWE	04	780	980	735	935	687	875	626	853	601	791	710	914	0.475	820	1020
RWE	05	780	1180	735	1135	687	1075	626	1053	601	991	710	1114	0.596	820	1220
RWE	06	780	1400	735	1355	687	1295	626	1273	601	1211	710	1334	0.728	820	1440
RWE	08A	1140	780	1095	735	1087	675	986	653	961	591	1070	714	0.568	1180	820
RWE	08	1140	1180	1095	1135	1087	1075	986	1053	961	991	1070	1114	0.952	1180	1220

### Cross Sections



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