PRODUCT DATA

H·E·R·A

HIGH-SPEC ELECTRIC ROOFLIGHT AUTOMATION

AN AUTOMATED SLIDING ROOFLIGHT

IQ® GLASS

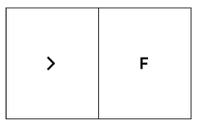
H·E·R·A

Technical Product Overview

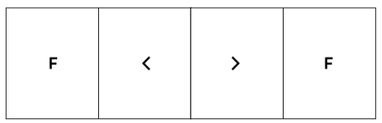
Utilising the latest advances in modern glazing technology, this innovative sliding box rooflight system has a fully thermally broken aluminium profile and achieves minimal sightlines whilst offering outstanding performance levels. A range of control options are available so the system can be manufactured bespoke to suit specific project requirements. An integrated gutter system ensures efficient water drainage prevention of water build up.

Typologies

sliding-fixed



biparting

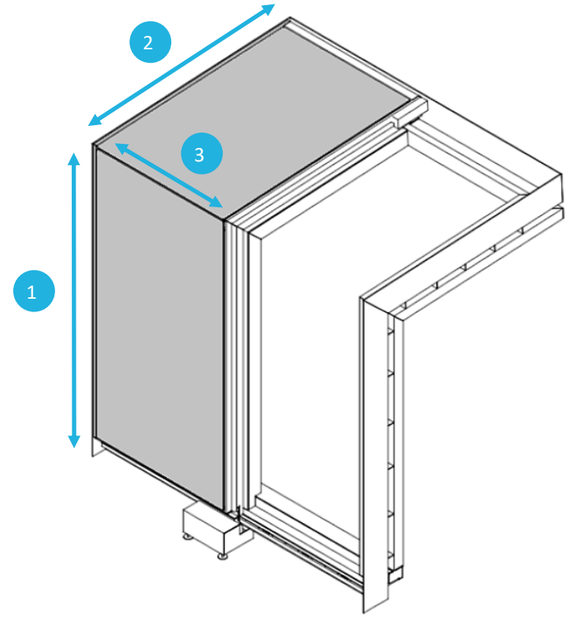


Sizes (Sliding)

	max. weight	max. height	max. span	max. width
SD Motor	330kg	2000mm	3000mm	6000mm
HD Motor	550kg	2000mm	3000mm	6000mm

All sizes above are in reference to the automated sliding pane. Any fixed glazing can reach weights of 800kg. Not all maximum measurements can be used in the same pane due to weight restrictions, see page 4 for table.

1 height
2 span
3 width



Glass Specification

Typical Spec	8mm TXD / 20mm argon gas filled cavity with warm edge spacers / 13.5mm TXD-SGP-LAM Laminated inner pane essential for safety in any roof glazing. All over-head glazing should include laminated inner pane. Glass structurally bonded into frame for increased security and minimal aesthetics.
Max Thickness	41.5mm
Glass Options	Any coated or laminated glass solution including solar control, low maintenance and more. No electric glazing.

Frame Specification

Insulation	Frame is fully thermally broken on both sliding sash and perimeter profile. Ensures proper insulation not possible with alternative systems. No condensation on internal frame like other systems.
Finishes	PPC any RAL colour. No dual colour.
Seals	Both a heavy duty bumper seal and brush seals are incorporated into this sliding box rooflight system to ensure high performance levels.
Security	The system has security fixings and a motor break with the options of incorporating shoot bolts.

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Technical Product Overview

Height \ Span	3000	2800	2400	2000	1600	1200	1200
2000mm	3000	2800	2000				
1800mm	3000	2800	2000	2000			
1600mm	3000	2800	2200	2000	1600		
1400mm	3000	2800	2400	2000	1600	1200	
1200mm	3000	2800	2400	2000	1600	1200	1200
1000mm	3000	2800	2400	2000	1600	1400	1200	1200
800mm	3000	2800	2400	2000	1600	1400	1400	1400	1400
	2000mm	2500mm	3000mm	3500mm	4000mm	4500mm	5000mm	5500mm	6000mm

Width

All sizes above are approx. estimates for maximum measurements. Larger systems are available on request but must be assessed on a project-by-project basis.

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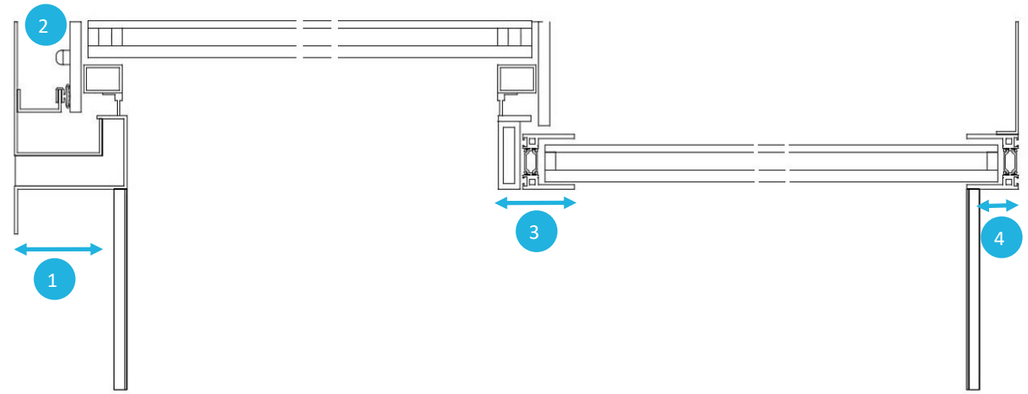
Framing Detail



1	concealed drainage system	130mm
2	safety edge sensor	
3	sightline	88mm
4	fixed framework	139mm

Motor Location the motor can be hidden under external finishes such as decking or raised stone.

Power Source direct from control box. 3 bespoke cables required via 50mm diameter pipe/conduit.

Power Consumption continuous 4 Watts power consumption.

Drainage Detail integrated insulted gutter system.

Kings Road

Auto-sliding box rooflight

London, UK

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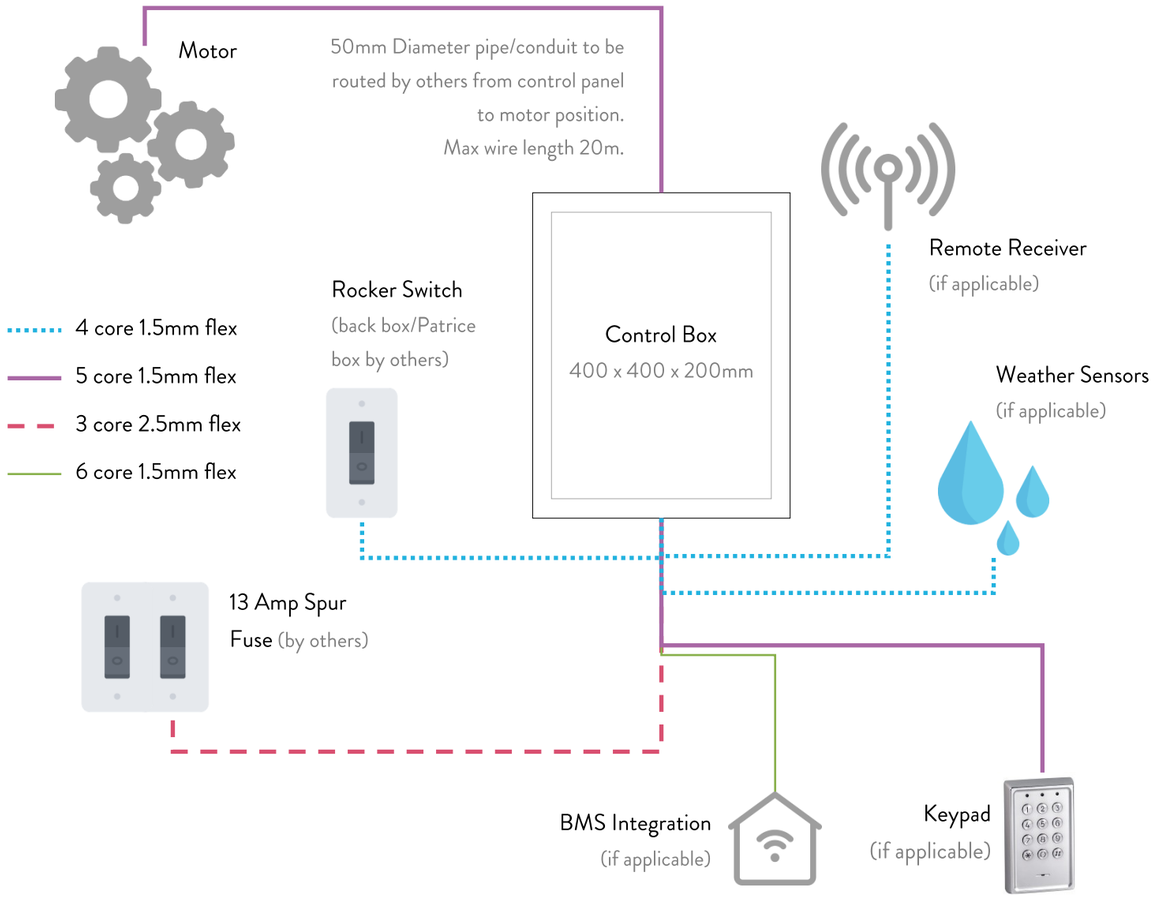
Motor and Power

High-spec motors systems allow previous dimensional limits to be overcome. With low maintenance wheel assembly and a stainless steel drive system this unique sliding box rooflight system this system slides open with ease. For automated systems there is a manual override and integrated safety edge sensor.

The motor can be concealed within external finishes such as decking or raised stone for a modern and minimal design.

Typical Wiring Configuration



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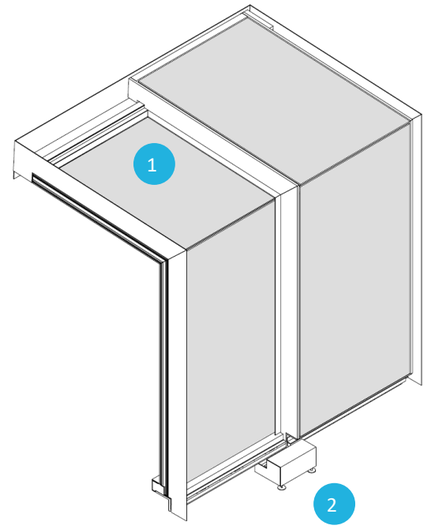
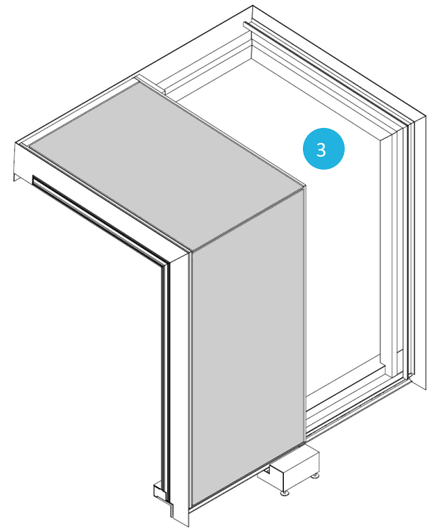
Other Details





1. insulated glass unit with argon gas cavity
2. motor box which can be concealed under external finishes
3. opening which can be used as an access point

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Control Options

Advances in automation technology allow IQ to offer a wide range of innovative control options. Flexibility in design is key when manufacturing bespoke glazing systems and offering various control options allows users to tailor the system to their specific needs.

If a manual system is specified the opening sash of the system will have an integrated thumb turn lock with a sleek and minimal design.

Wall Switches

Modern

Black

White

Classic

Polished Chrome

Iridium Black

Satin Chrome

Polished Brass

Brushed Brass

Brushed Steel

Gold

Mocha

Pewter

Premium Black

Premium White (standard)

White Chocolate

Other Control Options

Remote Control

Keypad

BMS Integrated

Other

Proximity readers
Thumb print readers
Smart Phone App
Retina Scanners
... and more

Weather Automation Integration

Rain Sensor
(not recommended for access rooflights)

Wind Sensor

Heat Sensor

Safety Integrations

Battery Backup	UPS Battery Backup provides protection from power outage. If power input is disrupted battery backup allows the rooflight to be closed to ensure security and weather tightness.*	Fire Alarm Integration	By integrating the rooflight technology with the building's built in fire protection you can engineer the rooflight to react to fire situations.
Remote Support	Via the cloud IQ can provide remote support and diagnosis for misfunctioning rooflights.	Obstruction Detection	Sensors integrated into the frame and motor detect obstructions in the path of the moving rooflight and force a stop this protecting occupants and the machinery.

*Battery to be replaced once a year as per regulations.

Britten Street

Sliding over fixed box rooflight

London, UK

H·E·R·A

How to Specify

- UK Manufacture for Guaranteed Supply
- Efficient Lead Times
- Remote Fault Checking via Cloud
- Laminated Inner Glass Pane
- Fully Thermally Broken Frame
- Safety Edge Sensor
- Pneumatic Sealing System
- Structurally Bonded for Security and Aesthetics
- Weather Station Integration
- Able to Integrate into BMS
- Option for Concealed Motor
- Stainless Steel Drive System

The Glassmotion HERA system is available exclusively from IQ.

Thanks to the full thermal break within the ultra slim profiles , the HERA system can achieve expectational levels of thermal insulation whilst offering the slimmest sightlines on the market.

Speak to the team at IQ

The team at IQ are the experts in our product range. If you are considering using the HERA system on your project speak to the team at IQ who will be able to start our in house engineering service. We can also advise you on the best solution for your intended design, ensure that all specification criteria are met and advise the feasibility to areas of the installation you may not have considered.

Get a Quotation

As part of our engineering service we will create a quotation for the works in question. This allows us all to ensure that the proposed design is within budget. If it is not we can help you adjust the specification to reach all performance, design and budgetary requirements.

Add us to your NBS Specification

To assist you in specification we have created individual NBS Specification sheets for our systems. These, easy to navigate, documents contain all the vital information needed for specification. They are available for you to complete on your own, alternatively ask your sales representative at IQ to complete this on your behalf

Place the Order

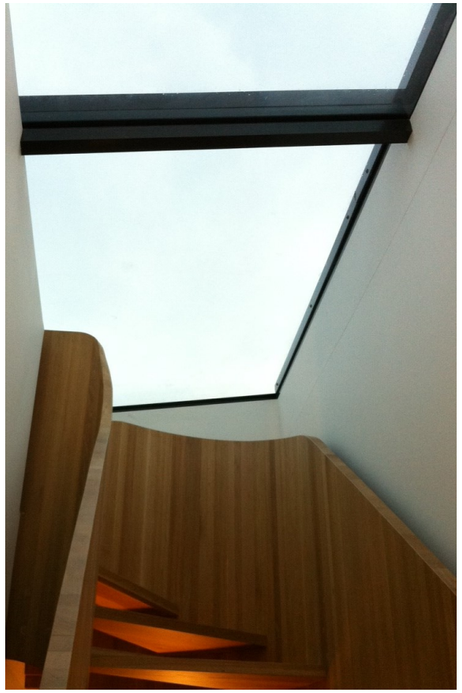
When ready you (or your client or the builder) can then place the order for your architectural glazing with us. A full in-house handover will take place and your project will be passed to the contracts and design team. Once your project deposit is placed we will then undertake full detailed design drawings for the installation and any other additional glazing works. Please allow at least 20 working days for the design process.

The project will be appointed a dedicated contracts manager who will oversee the installation process.

Where can I see IQ's rooflight systems before order?

We have several opening and sliding rooflight systems available to view at our showroom in Amersham.

If you or your clients would like to see our rooflight systems in person just contact us and arrange an appointment at the showroom.



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Why to Specify

UK Manufacture for Guaranteed Supply

All elements of the rooflight system are produced and manufactured in the UK. Our robust UK based supply chain ensures a guaranteed supply of parts and machinery. All framing is fully fabricated and produced at the IQ Group factory just outside of London.

Concealed Motor

Development of the HERA was driven by architects and their wish for contemporary glazing solutions with a sleek design and high performance levels. The motor can be concealed within external finishes, such as under decking, for a minimal and modern aesthetic.

Fully Thermally Broken Frame

Both the outer perimeter frame and the sliding sashes are fully thermally broken. This is important in creating a fully insulated roof structure with high levels of performance. If a non thermally frame or section is used not only will the thermal performance of the roof glazing be greatly reduced, but condensation will build up on the internal cold face of framing causing damage to internal finishes.

Remote Fault Checking via Cloud

If an issue occurs with the running of the HERA system, instead of having to wait for a technician to visit site we can diagnose and resolve most issues via the cloud running software. One of our technical team simply log into your machine's computer via the internet. This offers a much more efficient and effective post-install support service that can offer immediate fixes.

Frameless Interior Finish

When closed the HERA offers a modern and minimal design. Using ultra-slim aluminium profiles the system is able to offer uninterrupted views of the outdoors whilst allowing a vast amount of natural to flow down into the internal living space.

Laminated Inner Glass Pane

The inner pane of all overhead glazing should always be toughened-laminated glass. This is imperative for proper safety contingencies. Other sliding mechanisms have extreme restrictions on the maximum glass weight so cannot accommodate this important safety feature. The HERA can reach impressive sizes and the basic frame profile can hold units up to 41.5mm deep. This allows any number of glass combinations and additions to be used, including the use of inner laminated glass for safety.

Able to Integrate into BMS

Operation via app or smart home technology is very possible by connecting out control unit to the building's BMS or Smart Home Technology system.

IQ Headquarters

Sky House, Raans Road,
Amersham, Buckinghamshire,
HP6 6JQ, UK

01494 722 880

hello@iqglassuk.com

www.iqglassuk.com