

NOTES

1 NUMBER REQUIRED

GLASS SPEC:
OUTER : 8mm HST TOUGHENED GLASS + LOW E COATING
CAVITY : 16mm ARGON FILLED + WARM EDGE SPACER + DC3363 UV RESISTANT SILICONE EDGE SEAL
INNER : 8.8mm LAMINATED GLASS + POLISHED EDGES

- LIGHT TRANSMISSION = 78 %
- CENTRE PANE U VALUE = 1.1 W/m².K
- SOLAR G VALUE = 0.63
- ACOUSTIC REDUCTION = 39 Rw dB
- AIR PERMEABILITY = CWCT CLASS A4
- WEATHER RESISTANCE = CWCT CLASS A7
- WIND RESISTANCE = CWCT CLASS E2400
- WEIGHT = 187
- AA FIRE-RATED: GLASS AND FRAME ARE AA DESIGNATION (NATIONAL CLASS) OR bROOF (T4)
- EUROPEAN CLASS AND EURO CLASS A1 NON-COMBUSTIBLE (NOT TIMBER KERB)
- PRODUCT Ud-VALUE = 1.3 W/m².K. THIS IS A COMBINED Ud-VALUE OF KERB AND ROOFLIGHT TOGETHER.

ROOFLIGHT ORDER SIZE = ROOF STRUCTURAL OPENING SIZE MEASURED ON-PLAN.

GLASS BONDED TO FRAME WITH GLAZING SECURITY TAPE & SILICONE.

MIN. 5° FALL RECOMMENDED TO HELP SHED WATER. LARGER UNITS MAY REQUIRE STEEPER PITCHES, CLIENT RESPONSIBLE FOR FINAL PITCH. MAX THICKNESS ROOF FINISH 6mm. PLEASE INFORM RGR IF YOUR FINISH EXCEEDS THIS.

DESIGN LOADS: 750N/m² WIND 640N/m² SNOW AS STANDARD
OTHER LOADS TO BE SPECIFIED BY CLIENT.

TIMBER SUSTAINABLY SOURCED FROM FSC MANAGED FORESTS, AND RECLAIMED TIMBER.

MOTORS ARE 24v. ONLY USE TRANSFORMER SWITCHES AND CONTROLS SUPPLIED BY RGR. ALL ELECTRICAL COMMISSIONING AND CONNECTION TO BUILDING POWER BY OTHERS.

BLIND IS WHITE PLASTICISED AND CLASSED AS BLACKOUT. 24v MOTOR. ALL CABLING TO BE CORRECTLY SIZED, CALCS BY OTHERS.

GLAZING FRAME

GLASS IGU

KERB OSB FACE

HINGE SIDE

CRITICAL DIM = ROOF S/O SIZE ON PLAN

5° min fall

BLIND DIRECTION

2 CORE FLYLEAD FROM 24v ROOFLIGHT MOTORS

2 CORE FLYLEAD FROM 24v BLIND MOTORS

24v BLIND MOTOR

CRITICAL DIM = ROOF S/O SIZE ON PLAN

PLAN VIEW

TRUE VIEW ON SLOPE

230v MAINS POWER

COMMON EARTH LIVE

LIVE OPEN LIVE CLOSE

MOTOR FLYLEAD

TRANSFORMER WALL SWITCH

24v ACTUATOR WITH TRANSFORMER SWITCH OPTIONS:

- MANUAL WALL SWITCH (STANDARD)

MOTOR & SENSOR FLY LEADS MUST BE WIRED BACK TO SWITCH.

MOTOR FLY LEAD EXITS FRAME CENTRALLY OPPOSITE THE HINGE SIDE.

SECTION A-A

24v BLIND MOTOR

BLIND DIRECTION

GUIDE WIRES

24v CHAINLINK MOTOR, 300mm STROKE

STRUCTURAL OPENING (S/O) SIZE IS ROOFLIGHT ORDER SIZE

2 CORE 24v MOTOR FLYLEAD. CENTRAL OPPOSITE THE HINGE SIDE & 2 CORE FLY LEAD FROM BLIND MOTOR

CRITICAL DIM = STRUCTURAL OPENING IN ROOF

116

ANGLE BY RGR.

TERMINATION BY OTHERS.

51

93

9

6

SECTION B-B

WHITE uPVC PLASTERBOARD TERMINATION

STRUCTURAL OPENING SIZE IS ROOFLIGHT ORDER SIZE

CRITICAL DIM = STRUCTURAL OPENING IN ROOF

116

51

93

9

POLYAMIDE THERMAL BREAK

STRUCTURED BLACK WEATHER SEAL

SECURITY GRADE TN136 GLAZING TAPE SEALS

FOAM BACKER ROD

WHITE uPVC

DRAINAGE ROUTE

POWDER COATED ALI GLAZING FRAME WITH HIDDEN FIXINGS

ROOF FINISH STOP BEAD

ROOF FINISH & TERMINATION BY OTHERS

11mm OSB-3

PEFC CLASS 2 TREATED 50mm x 38mm STUDS + SOLID INSULATION BOARD

PLASTERBOARD, ROOF, AND ALL FINISHES BY OTHERS

116

51

93

18

9

IF IN DOUBT ASK DO NOT SCALE

IT IS THE RESPONSIBILITY OF THE KERB DESIGNER TO ENSURE THE KERB WILL BE STRUCTURALLY ADEQUATE TO HOLD THE ROOFLIGHT. KERBS SHOWN ON THESE DRAWINGS ARE FOR ILLUSTRATION PURPOSES ONLY.

The manufacturer would advise an installation with a minimum pitch of 5° for rooflight units to minimize water pooling. Whilst the product can be installed flat without detriment to the warrantee, the manufacturer cannot be held responsible for any excessive pooling of water to the surface of the rooflight, post installation, if installed without an adequate fall, larger units may require a greater fall. The final decision on amount of fall required must be made by the client and relayed to the installer.

THIS DRAWING MUST NOT BE COPIED OR PASSED TO A THIRD PARTY WITHOUT WRITTEN CONSENT FROM THE MANUFACTURER.

CHECKED R. P.
DATE 20-10-2023
DRAWN D. P.
DATE 20-10-2023

TOLERANCE UNLESS OTHERWISE STATED ±5
DIMENSIONS IN MM
SCALE 1:2, 1:7 @ A1

MATERIAL ALUMINIUM, TIMBER, GLASS
FINISH MARINE GRADE POLYESTER POWDER COAT COLOUR T.B.C. RAL 7016 ANTHRACITE GREY OR RAL 9005 BLACK, 30% GLOSS (MATT)

REV AMENDMENTS
SIGNED
CHECKED
DATE

Roofglaze Rooflights Ltd,
11 Howard Road, Eaton Socon,
St Neots, Cambs, PE19 8ET
Telephone 01480 474797
TITLE: SKYWAY COMPLETE HINGED ON RGR TIMBER KERB WITH BLIND

DRAWING N°. RGRS-HV-23-400

REV
A1

Lighting by nature™

ROOFGLAZE