

NOTES

X NUMBER REQUIRED

GLASS SPEC:
OUTER : 6mm HST TOUGHENED GLASS
CAVITY : 16mm ARGON FILLED + WARM EDGE SPACER + DC3363 UV RESISTANT SILICONE EDGE SEAL
INNER : 6mm HST TOUGHENED OR 8.8mm LAMINATED GLASS + LOW E COATING

• LIGHT TRANSMISSION = 78 %

• CENTRE PANE U VALUE = 1.1 W/m².K

• SOLAR G VALUE = 0.63

• ACOUSTIC REDUCTION = 34 (6/6) 39 (6/8.8) Rw dB

• AIR PERMEABILITY = CWCT CLASS A4

• WEATHER RESTIANCE = CWCT CLASS A7

• WIND RESISTANCE = CWCT CLASS E2400

• WEIGHT = 45 KG/m²

• DOWSIL 3363 UV RESISTANT SILICONE EDGE SEALS TO IGU

• DOWSIL 791 UV RESISTANT EDGE SEALS TO FRAME

• AA FIRE-RATED: AA DESIGNATION (NATIONAL CLASS) OR bROOF (T4) EUROPEAN CLASS AND EURO CLASS A1 NON-COMBUSTIBLE

• LOADS = 750N/m² WIND & 640N/m² SNOW

ROOFLIGHT ORDER SIZE = OVERALL FINISHED AND WEATHER KERB DIMS

GLASS BONDED TO FRAME WITH GLAZING SECURITY TAPE ILLBRUCK TN136

KERB DETAILS SHOWN INDICATIVE DETAILED DESIGN BY OTHERS

MIN. 5° FALL RECOMMENDED TO HELP SHED WATER. LARGER UNITS MAY REQUIRE STEEPER PITCHES. FINAL DECISION BY OTHERS.

PRODUCT U-VALUE = AS LOW AS 0.8 W/m².K (u-values are size dependant)

CHAIN STROKE SET 300mm AS STANDARD. x2 TRANSFORMER WALL SWITCHES SUPPLIED AS STANDARD. POWERED BY 24v CHAINLINK ACTUATORS, ALL ELECTRICAL COMMISSIONING BY OTHERS. OTHER SWITCH OR CONTROL OPTIONS, SUCH AS REMOTE OPERATION, AVAILABLE UPON REQUEST.

OVERALL ROOFLIGHT SIZE = OVERALL KERB + 82

CRITICAL = OVERALL WEATHERED KERB

5° min fall

2 CORE FLYLEAD FROM BLIND

PLASTERBOARD LINE

EXTERNAL KERB LINE

BASE FRAME UNDER GLASS

LID FRAME UNDER GLASS

2 CORE FLYLEAD FROM 24v MOTOR

BLIND DIRECTION AS STANDARD. OTHER DIRECTIONS T.B.C.

OVERALL ROOFLIGHT SIZE = OVERALL KERB + 82

CRITICAL = OVERALL WEATHERED KERB

EXTERNAL PLAN VIEW
TRUE VIEW ON SLOPE

CDM : HAZARD IDENTIFICATION - HANDLING MATERIALS

BE AWARE OF SHARP EDGES AND CORNERS WHEN HANDLING MATERIALS. MOST EDGES AND CORNERS WILL BE DEBURRED BUT THERE IS STILL A SMALL RISK. WEAR APPROPRIATE PPE REQUIRED FOR THE TASK. THE MHOR 1992 SET OUT A CLEAR RANKING OF MEASURES FOR DEALING WITH RISKS FROM MANUAL HANDLING, THESE ARE:

• FIRST : AVOID HAZARDOUS MANUAL HANDLING OPERATIONS SO FAR AS IS REASONABLY PRACTICABLE.

• SECOND : ASSESS ANY HAZARDOUS MANUAL HANDLING OPERATIONS THAT CANNOT BE AVOIDED, AND

• THIRD : REDUCE THE RISK OF INJURY SO FAR AS IS REASONABLY PRACTICABLE.

HAND PROTECTION (MANDATORY) TO: BS EN 388:1994.

ROOFLIGHTS MUST ONLY BE INSTALLED BY COMPETENT CONTRACTORS.

DANGER OF DAMAGING GLASS IF IT IS WALKED UPON. GLASS IS CLASSED AS NON-FRAGILE BUT SHOULD NOT BE WALKED ON. USE SPREADER BOARDS.

REFER TO RISK ASSESSMENT FOR FURTHER DETAILS.

FALL FROM HEIGHTS DURING INSTALLATION.

KERB DETAILS SHOWN INDICATIVE ONLY. DETAILED DESIGN BY OTHERS

230v MAINS POWER

COMMON EARTH LIVE

LIVE OPEN LIVE CLOSE

MOTOR FLYLEAD & BLIND LEAD

REMOTE FOB

MANUAL SWITCH

x2 COME AS STANDARD

24v ACTUATOR WITH TRANSFORMER SWITCH OPTIONS:

• MANUAL WALL SWITCH (STANDARD) ONE FOR ROOFLIGHT AND ONE FOR BLIND

OPTIONAL EXTRAS

• REMOTE FOB

• WIRED RAIN SENSOR

• WIRELESS RAIN SENSOR

• WIND AND RAIN SENSOR

• WI-FI WALL SWITCH WITH SMART APP

• MULTI-UNIT CONTROL PANEL

• BATTERY BACK-UP CONTROL PANEL

• REMOTE SWITCH

• SLAVE SWITCH

• MULTI-CHANNEL OPTIONS

• MULTI-CHANNEL BLIND CONTROL

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

MOTOR FLY LEAD EXITS FRAME CENTRALLY OPPOSITE THE HINGE SIDE.

BLIND FLY LEAD EXITS FRAME ACCORDING TO OPENING ORIENTATION.

WIRED OR WIRELESS RAIN SENSOR

OVERALL ROOFLIGHT SIZE = OVERALL KERB + 82

5°

WHITE PVC

24v CHAINLINK ACTUATOR

WHITE LINER

CONCEALED ACCESS PANEL

WHITE PVC

WHITE BLIND

24v MOTOR

OUTSIDE OF KERBS

150 MIN

22.5

115 min

CRITICAL = OVERALL WEATHERED KERB, INCLUDING ROOF FINISHES THIS IS ROOFLIGHT ORDER SIZE FOR ORDER SIZE: MEASURE TO OUTSIDE OF KERBS DOWN THE SLOPE

115mm THICK KERB MIN. SO FRAME IS NOT VISIBLE FROM BELOW

STRUCTURAL OPENING SIZE NOT RELEVANT TO ORDER

SECTION A-A

STRUCTURED BLACK WEATHER SEAL ON FOAM BACKER ROD

SECURITY GRADE TN136 GLAZING TAPE SEALS

POLYAMIDE THERMAL BREAK

DRAINAGE ROUTE

POLYESTER POWDER COATED ALI GLAZING FRAME WITH HIDDEN FIXINGS

ROOF FINISH ON TOP OF KERB BY OTHERS

ROOF, KERBS AND FINISHES BY OTHERS

OUTSIDE OF KERBS

22.5

115 min

OVERALL ROOFLIGHT SIZE = OVERALL KERB + 82

BLACK AS STANDARD WHITE AVAILABLE

WHITE uPVC

CAPPIT BOARD FASCIA. WHITE

BLIND. WHITE

WHITE uPVC

COMPLETE SILICONE WEATHER SEAL. DC 791 OR SIMILAR

CRITICAL = OVERALL WEATHERED KERB, INCLUDING ROOF FINISHES THIS IS ROOFLIGHT ORDER SIZE FOR ORDER SIZE: MEASURE TO OUTSIDE OF KERBS

STRUCTURAL OPENING SIZE NOT RELEVANT TO ORDER

SECTION B-B

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 D.PUGH

DATE 07-02-2022

DRAWN R.P.

DATE 07-02-2022

TOLERANCE UNLESS OTHERWISE STATED ±5

DIMENSIONS IN MM

SCALE 1:2, 1:7 @ A1

MATERIAL ALUMINIUM + GLASS

FINISH MARINE GRADE POLYESTER POWDER COAT OPTIONS: RAL 7016 ANTHRACITE GREY, RAL 9005 BLACK, RAL 9010 WHITE, 30% GLOSS

REV

AMENDMENTS

SIGNED

CHECKED

DATE

Roofglaze Rooflights Ltd,
11 Howard Road, Eaton Socon,
St Neots, Cambs, PE19 8ET
Telephone 01480 474797

TITLE: SKYWAY+ 24v HINGED FLATGLASS WITH SECONDARY BLIND

DRAWING N°: RGR-HV-20-365

REV

SIZE A1

Lighting by nature™