infinity®
ROOF LIGHT solutions by TuffX

TECHNICAL DATA SHEET

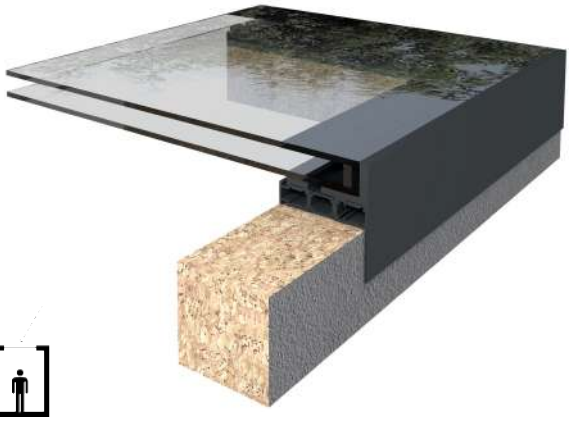
DOUBLE GLAZING UNIT (DGU)
SOLAR

MADE IN BRITAIN®

STANDARD SIZES CHART (INTERNAL OPENING SIZE)

FRAMED ROOFLIGHTS	FRAMELESS ROOFLIGHTS
300 x 300 mm	300 x 300 mm
400 x 400 mm	400 x 400 mm
500 x 500 mm	500 x 500 mm
600 x 600 mm	600 x 600 mm
600 x 900 mm	600 x 900 mm
600 x 1200 mm	600 x 1200 mm
600 x 1800 mm	600 x 1800 mm
1000 x 1000 mm	1000 x 1000 mm
1000 x 1200 mm	1000 x 1200 mm
1000 x 1500 mm	1000 x 1500 mm
1000 x 2000 mm	1000 x 2000 mm
1000 x 2500 mm	1000 x 2500 mm
1000 x 3000 mm	-

CONTAC US FOR BESPOKE SIZES: **0345 3400 200 / SALES@TXPRO.CO.UK**



WATER TIGHT
Seamless design ensures exceptional water tightness. Leak-free rooflights

SAFETY GUARANTEED
Robust construction guarantees maximum safety and durability.

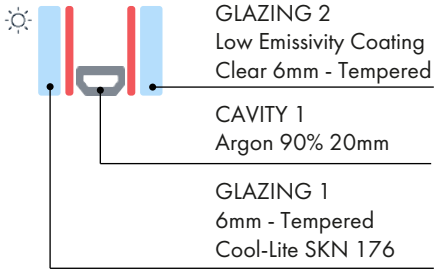
AIR TIGHT
Seamless design ensures exceptional air tightness

SIMULATE PERFORMANCE DATA

LUMINOUS FACTORS	CIE015:2018
Light Transmittance (TL)	67%
Outdoor Reflectance (RLe)	12%
Indoor Reflectance (RLi)	13%
ENERGY FACTORS	**EN410:2011**
Transmittance (TE)	32%
Outdoor Reflectance (Ree)	32%
Indoor Reflectance (Rei)	33%
Absorptance A1 (AE1)	32%
Absorptance A2 (AE2)	4%
SOLAR FACTORS	**EN410:2011**
Solar Factor (g)	0.37
Shading Coefficient (SC)	0.43
THERMAL TRANSMISSION	**EN673:2011**
Ug	1.1 W/(m2.k)
Angle relative to the vertical	0º
ACOUSTICS Acoustic simulated values	**EN 12758**
Rw (C;Ctr)	36 (-2; -5) dB
Ra	34 dB
Ra, tr	31 dB
STC (ATSM E413)	36
OITC (ATSM E1332)	28
COLOR RENDERING	**CIE015:2018**
Transmission (Ra)	94
Reflection (Ra)	76.3
SAFETY CLASS	**EN12600**
Pendulum Body Resistance	1C2/1C2
ANTI-BURGLARY	**EN356**
Burglar Resistance	NPD

MANUFACTURING SIZES	-
Nominal Thickness	32.0 mm
Weight	30 kg/m2
SUSTAINABILITY	**-**
Carbon Footprint	
The value is calculated regardin the composition computed based on the standard EN 15804 + A2 (2019)	
Global Warming Potential (GWP) A1 - A3	EN 15804+A2 (2019)
(kg. CO2 eq/m2) European average	55

GLAZING TYPE



PSI VALUES FOR DOUBLE GLAZING

FOR WINDOWS	
Metal with thermal break	0.036 W/(m.K)
Plastic	0.031 W/(m.K)
Wood	0.031 W/(m.K)
Wood / Metal	0.033 W/(m.K)
FOR FACADE PROFILES	
Wood / Metal	0.055 W/(m.K)
Metal with thermal break (di=100mm)	0.074 W/(m.K)
Metal with thermal break (di=200mm)	0.078 W/(m.K)

Source: ift Rosenheim directive WA-08/3 and WA-22/2 ("Warm edge" working group) / Bundesverband Flachglas (German Flat Glass Association) window data sheets.

Verified Results EN 410 EN 673 TÜVRheinland CERTIFIED www.tuv.com ID 0000036859

Calumen® calculates the photometric characteristics and thermal transmission of glass using calculation algorithms which comply with the following standards: the European standards EN 410 and EN 673, the international standard ISO9050, the Japanese standard JIS R 3106/3107 and the Korean standard KS L 2514/2525. The functional output and calculation rules of Calumen® for standards EN 410 and EN 673 have been validated by TÜV Rheinland (report 89212153-01). The technical performances obtained according to these standards are provided for information only and are subject to amendment.
The sound attenuation indices are measured under laboratory conditions according to the standards EN ISO 10140 and EN 12758. The calculated indices are provided for information only. The accuracy for Rw index lies within a range of +/-2dB. The glass thickness calculations comply with the 2012 version of the DTU39-P4 description. The USER is responsible for ensuring that the correct calculation hypotheses are entered and the DTU39 is applied appropriately for the project concerned.