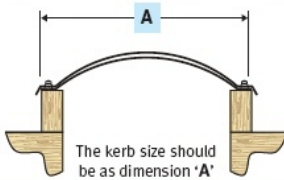
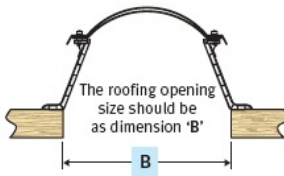


TECHNICAL INFORMATION

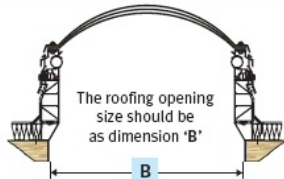
ROOFLIGHT FIXING TO BUILDER'S KERB



KERBS TO FIT ROOF APERTURE



X-ONE KERBS TO FIT ROOF APERTURE



Polycarbonate (Solid Sheet)

3 mm UV protected polycarbonate*
Glazing options; Clear, diffused, bronze and opal.

Light transmissions for 3mm thick single skin material:

Clear 88% Obscure 86% Opal 50% Bronze: 50%
Service temperatures: -50 to +120 degrees C.

Kerbs.

Galvanised steel, aluminium, GRP and PVCU. Galvanised steel and aluminium 225 mm to underside of vent section, non-vented 225 mm to underside of the fixing flange. Extra heights available to accommodate cut to falls insulation and below deck fixings.

Fire:

BS 476 pt 3 AA rating
BS 476 pt 7 Class 1**
1991 Building Regulations Tp(a) on 3 mm and over.
**Materials which achieve class 1 (or 1y) can be classed as an AA designation.
Weight: 3 mm – 3.6 kg/m² 4 mm – 4.8 kg/m²
*4 mm may be used on larger thermoformed rooflights.

Non-fragility.

All Stardome double and triple rooflights, thermoformed, barrel vaults and kerbs are classified as Class B—Non Fragile to ACR[M] 001:2005. The polycarbonate material used is considered virtually unbreakable.

Ventilation.

In accordance to Part F of the Building Regulations background ventilation should not be less than 8000 mm² of controllable and secure ventilation. Where rapid ventilation is necessary, this should equate to 5% of the total floor area of the room. On a standard kerb 1200 x 1200 mm vented on two sides the free air space is;
Permanent Vent 160 cm² (16,000 mm²)
Hit & Miss Vent 92 cm² (9,200 mm²)
Controlled Louvre 480 cm² (48,000 mm²)
Rotary Vent 112 cm² (11,200 mm²)

Polyester Powder Coating.

All metal kerbs and glazing bars are supplied in a white matt finish to BS 6496. Other RAL colours are available upon request.

Insulation.

We offer a choice of either fibre board or PVCU. Other options are available to suit various membranes.

For further information please contact our technical department on 01276 451555.

STARDOME SQUARE SIZES

Domes and Pyramids		Upstands (insulated)			Ventilation			
Ref. No.	To fit overall builder's kerb. Size (mm) (See diagram A)	To fit roof opening. Size (mm) (See diagram B)	GRP	PVC	Steel or Aluminium	Rotary/Controlled	Hinged Vent	Access Hatch
SD1	400 x 400*	500 x 500		●	●	●	●	
SD2	500 x 500*	600 x 600	●	●	●	●	●	
SD3	600 x 600*	700 x 700		●	●	●	●	
SD4	650 x 650*	750 x 750	●	●	●	●	●	
SD5	700 x 700*	800 x 800		●	●	●	●	●
SD6	750 x 750*	850 x 850		●	●	●	●	●
SD7	800 x 800*	900 x 900	●	●	●	●	●	●
SD8	850 x 850*	950 x 950		●	●	●	●	●
SD9	900 x 900*	1000 x 1000		●	●	●	●	●
SD10	950 x 950*	1050 x 1050	●	●	●	●	●	●
SD11	1000 x 1000*	1100 x 1100		●	●	●	●	●
SD12	1050 x 1050*	1200 x 1200	●	●	●	●	●	●
SD13	1100 x 1100*	1250 x 1250		●	●	●	●	●
SD14	1150 x 1150*	1300 x 1300		●	●	●	●	●
SD15	1200 x 1200*	1350 x 1350	●	●	●	●	●	●
SD16	1300 x 1300*	1400 x 1400		●	●	●	●	●
SD17	1400 x 1400*	1500 x 1500	●	●	●	●	●	●
SD18	1500 x 1500*	1600 x 1600		●	●	●**	●	●
SD19	1600 x 1600*	1650 x 1650	●	●	●	●**	●	●
SD20	1700 x 1700*	1800 x 1800	●	●	●	●**	●	●
SD21	1800 x 1800*	1900 x 1900		●	●	●**	●	●

STARDOME RECTANGULAR SIZES

Ref. No.	To fit overall builder's kerb. Size (mm) (See diagram A)	To fit roof opening. Size (mm) (See diagram B)	PVC	Steel or Aluminium	Rotary/Controlled	Hinged Vent	Access Hatch†
SR1	500 x 650*	600 x 750	●	●	●	●	
SR2	500 x 800*	600 x 900	●	●	●	●	
SR3	500 x 1100*	600 x 1200	●	●	●	●	●
SR4	500 x 1400*	600 x 1500	●	●	●	●	●
SR5	500 x 1700*	600 x 1800	●	●	●	●	●
SR6	600 x 900*	700 x 1000	●	●	●	●	●
SR7	600 x 1200*	700 x 1300	●	●	●	●	●
SR8	600 x 1500*	700 x 1600	●	●	●	●	●
SR9	600 x 1800*	700 x 1900	●	●	●	●	●**
SR10	650 x 800*	750 x 900	●	●	●	●	●
SR11	650 x 1150*	750 x 1200	●	●	●	●	●
SR12	650 x 1250*	750 x 1350	●	●	●	●	●
SR13	700 x 1000*	800 x 1100	●	●	●	●	●
SR14	700 x 1300*	800 x 1400	●	●	●	●	●
SR15	750 x 900*	850 x 1000	●	●	●	●	●
SR16	750 x 1200*	850 x 1300	●	●	●	●	●
SR17	750 x 1500*	850 x 1600	●	●	●	●	●
SR18	750 x 1800*	850 x 1900	●	●	●	●	●**
SR19	800 x 1100*	900 x 1200	●	●	●	●	●
SR20	800 x 1250*	900 x 1350	●	●	●	●	●
SR21	800 x 1400*	900 x 1500	●	●	●	●	●
SR22	800 x 1700*	900 x 1800	●	●	●	●	●**
SR23	800 x 2300*	900 x 2400	●	●	●	●	●
SR24	900 x 1200*	1000 x 1300	●	●	●	●	●
SR25	900 x 1500*	1000 x 1600	●	●	●	●	●**
SR26	900 x 1800*	1000 x 1900	●	●	●	●	●
SR27	950 x 1250*	1050 x 1350	●	●	●	●	●
SR28	1000 x 1800*	1100 x 1900	●	●	●	●	●
SR29	950 x 1400*	1050 x 1500	●	●	●	●	●**
SR30	950 x 1850*	1050 x 1950	●	●	●	●	●
SR31	1100 x 1400*	1200 x 1500	●	●	●	●	●**
SR32	1100 x 1700*	1200 x 1800	●	●	●	●	●
SR33	1100 x 2300*	1200 x 2400	●	●	●	●	●
SR34	1200 x 1500*	1300 x 1600	●	●	●	●	●
SR35	1200 x 1800*	1300 x 1900	●	●	●	●	●
SR36	1200 x 2400*	1300 x 2500	●	●	●**	●	●
SR37	1400 x 2300*	1500 x 2400	●	●	●	●	●
SR38	1700 x 2300*	1800 x 2400	●	●	●**	●	●
SR39	1800 x 2400*	1900 x 2500	●	●	●**	●	●

STARDOME CIRCULAR SIZES

Domes		Upstands (insulated)		Ventilation	
Ref. No.	To fit overall builder's kerb dia. (mm)	To fit roof opening dia. (mm)	Availability: 9 – 14 days delivery (except for 1800 mm) Available in GRP and Aluminium (for aluminium dome sizes add 150 mm)		Hinged Vent
SC1	540*	600			●
SC2	690*	750			●
SC3	840*	900			●
SC4	990*	1050			●
SC5	1140*	1200			
SC6	1290*	1350			
SC7	1440*	1500			
SC8	1590*	1650			
SC9	1740*	1800			

Clearlight size when using Steel, Aluminium or GRP upstands =
Rooflight opening size – 150 mm
eg: 600 x 600 mm opening = 450 x 450 mm clearlight

Clearlight size when using PVC upstands =
Rooflight opening size – 170 mm
eg: 600 x 600 mm opening = 430 x 430 mm clearlight

All units are available within 1 – 9 days. *Available in single, double and triple skins. **Consult with Stardome technical department for upstand material. †Alternative sizes are available—Consult with Stardome technical department.

Domes and Pyramids - Clear, diffused, bronze and opal. For AOV smoke ventilators, powered ventilation, concealed fixing frames, burglar bars, multi-assembly and continuous barrel vaults, please contact us any time on 01276 451555. KERB HEIGHTS: GRP = 175 mm, PVC = 237 mm, Steel and Aluminium = 225 mm high to underside vent section. Adaptor kerbs are made to specific site measurements. Purpose-made kerbs are manufactured on request.

