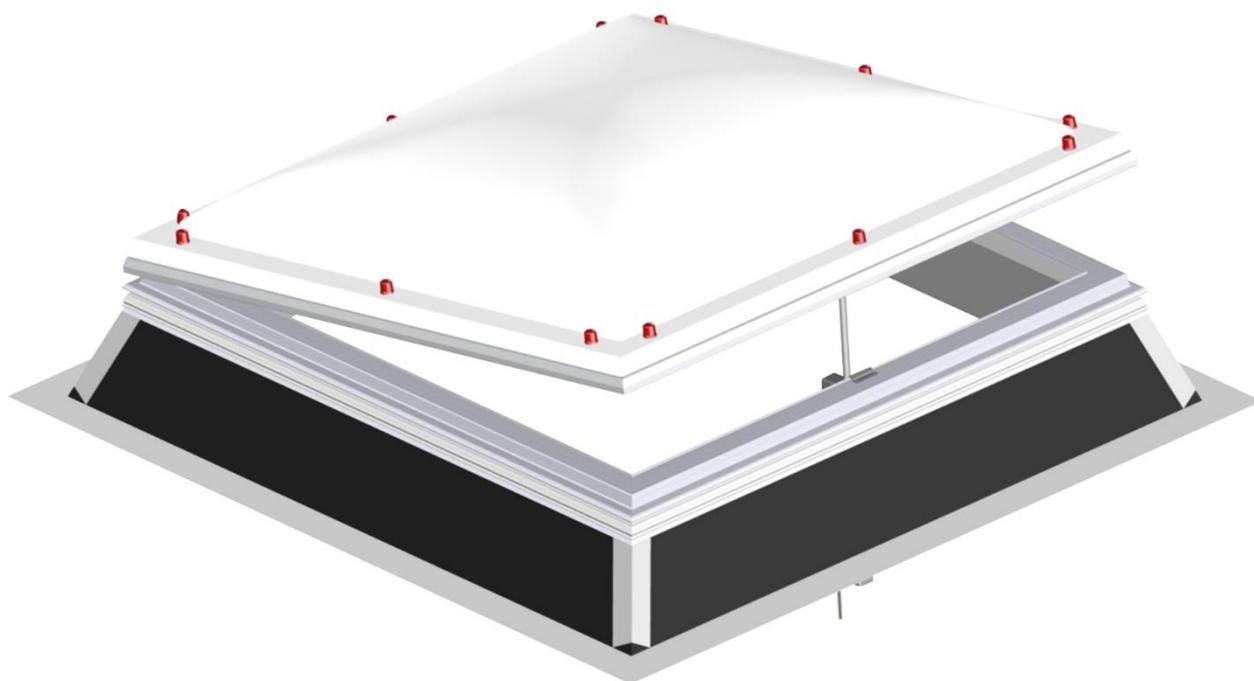


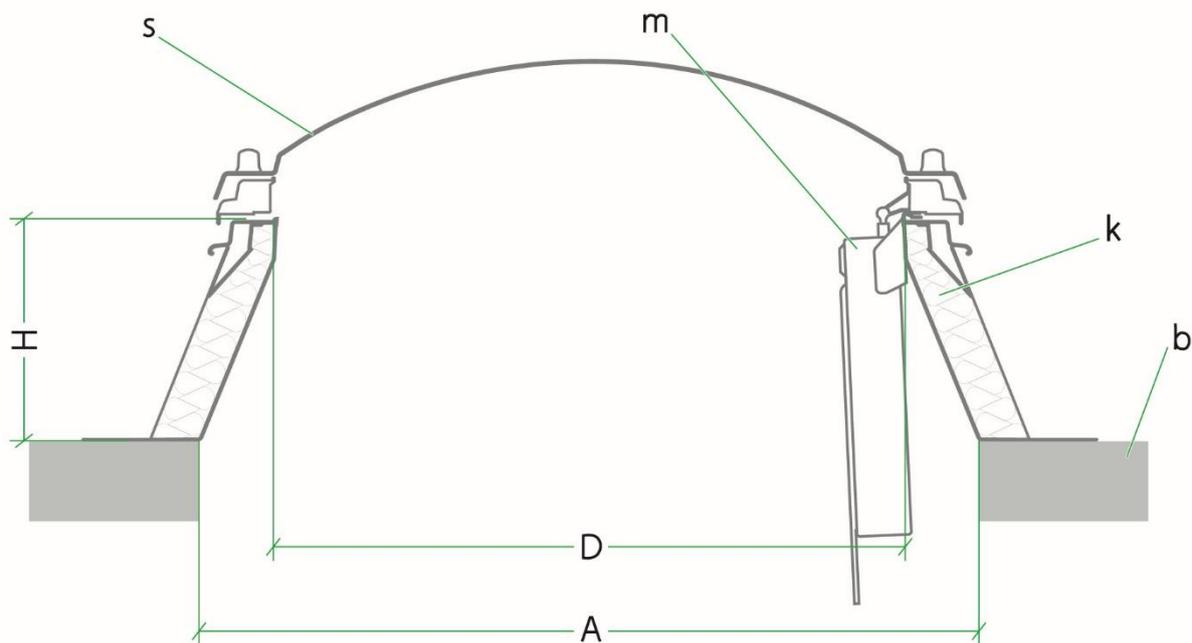
Product line: Light dome	
Product: TOP-90-PLUS	Size: 120 x 120cm
Dome shell material: PMMA [external+inside], SMP 16/7w-12 [inside]	Layer configuration: opal/clear/opal
upstand: ISO THERM Upstand	upstand height: 30cm
function: ventable	Venting lift height: 300mm
Hinge side: long side	Locking type: solo
SHEV system: -	SHEV Electrical system: -
Wind deflectors: -	fall through protection: -

All drawings in this document are for illustrative purposes only.



Designation	value parameters	value	unit
Light transmittance	TD65	34	Percent
Light transmittance	Te	31	Percent
Total energy transmittance	g	42	Percent
Thermal transmittance (upstand)	Uup	0.77	W/(m ² ·K)
Thermal transmittance (glazing)	Ut	1.1	W/(m ² ·K)
Thermal transmittance (unit)	Urc	1.02	W/(m ² ·K)
Resistance to static load (upwards)	UL	1000	Pa
Resistance to static load (downwards)	DL	1500	Pa
Reaction to fire class (dome unit)		B-s1, d0	
Resistance to sparks and heat		no	
Meltability of material		yes	
Weighted sound reduction index	Rw (C; Ctr)	20	dB
Fall through safe in closed state		for 1 year	

Structure:	
	



Dimensions		
A	Order size - bottom clear width / length	120 / 120 cm
D	Upper clear width / length	100 / 100 cm
H	upstand height	30 cm
components		
s	Dome shell	TOP-90-PLUS
k	Upstand	ISO THERM Upstand
m	motor	M12-230V
b	on site	

Details			
Layers:	geometry:	Light entry crossection:	Ventilation frame:
2	Euro	1 m ²	yes
Geometrically free area			
0.6 m ²			

performance	Icon	Norm	Notified Body
Light transmittance	TD65	DIN EN 1873:2016 (5.1)	2462 - ISP
Light transmittance	Te	DIN EN 1873:2016 (5.1)	2462 - ISP
Solar heat gain coefficient	g	DIN EN 1873:2014 (5.9.1)	2462 - ISP
Thermal transmittance (upstand)	Uup	DIN EN 1873:2014 (5.9.1)	2462 - ISP
Thermal transmittance (glazing)	Ut	DIN EN 1873:2014 (5.9.1)	2462 - ISP
Thermal transmittance (unit)	Urc	DIN EN 1873:2014 (5.9.1)	2462 - ISP
Hail resistance class (aesthetic)	-	VKF Prüfbest.:2012 (Nr. 10)	VKF
Hail resistance class (waterproofness)	-	VKF Prüfbest.:2012 (Nr. 10)	VKF
Hail resistance class (light transmission)	-	VKF Prüfbest.:2012 (Nr. 10)	VKF
Hail resistance class (functionality)	-	VKF Prüfbest.:2012 (Nr. 10)	VKF
Resistance to static load (upwards)	UL	EN 1873:2005 (5.4.1)	1235 - DTI
Resistance to static load (downwards)	DL	EN 1873:2005 (5.4.2)	1235 - DTI
Reaction to fire class (dome unit)	-	EN 1873:2005 (5.5)	0845 - DBI
Reaction to fire class (SHEV-system)	-	EN 12101-2:2003 (7.5.2.1)	0432 - MPA NRW
Resistance to sparks and heat	-	DIN EN 13501-5	
Meltability of material	-	18230	
Reaction to fire class	-	EN 12101-2:2003 (7.5)	0432 - MPA NRW
Aerodynamic free area	Aa	EN 12101-2:2003 (6)	1368 - IFI
Correction factor aerodynamic free area	-	EN 12101-2:2003 (6)	1368 - IFI
Functional safety	Re	EN 12101-2:2003 (7.1)	1368 - IFI
Snow load	SL	EN 12101-2:2003 (7.2)	1368 - IFI
Wind load	WL	EN 12101-2:2003 (7.4)	1368 - IFI
Low ambient temperature class	-	EN 12101-2:2003 (7.3)	0432 - MPA NRW
Weighted sound reduction index	Rw (C; Ctr)	EN 1873:2005 (5.10)	0200 - FORCE
Fall through safe in closed state	-	GS-BAU-18:2020	DGUV