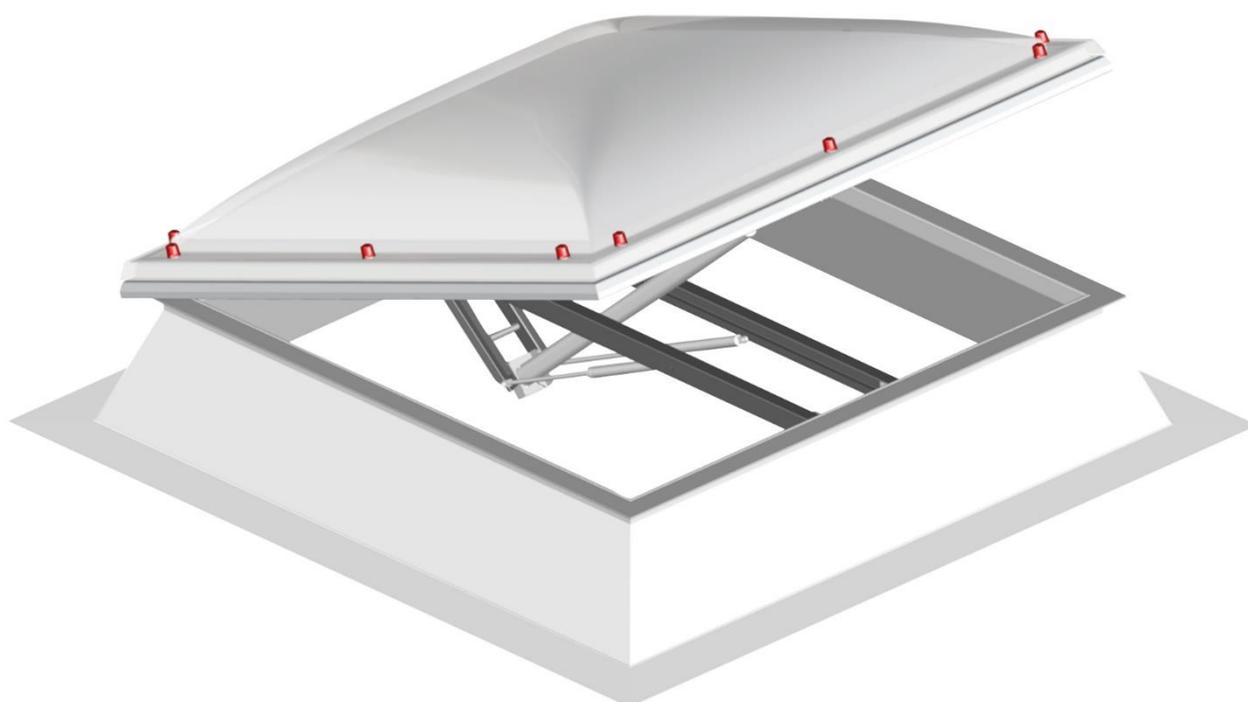


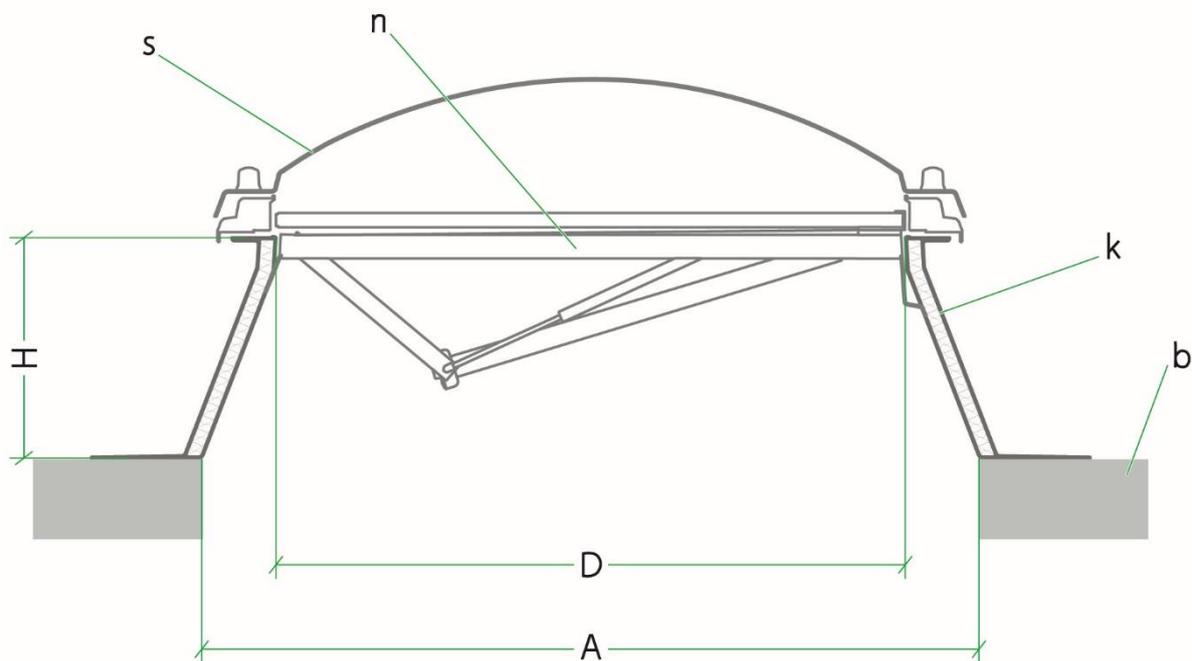
<b>Product line:</b> Light dome	
<b>Product:</b> TOP-90-PLUS	<b>Size:</b> 120 x 120cm
<b>Dome shell material:</b> PMMA [external+inside], SMP 16/7w-12 [inside]	<b>Layer configuration:</b> opal/clear/opal
<b>upstand:</b> GRP-Upstand	<b>upstand height:</b> 30cm
<b>function:</b> SHEV	<b>Venting lift height:</b> -
<b>Hinge side:</b> long side	<b>Locking type:</b> solo
<b>SHEV system:</b> FIREJET 165J SA 24V open/close	<b>SHEV Electrical system:</b> 24V/4A
<b>Wind deflectors:</b> No wind deflectors	<b>fall through protection:</b> -

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	1.4	W/(m <sup>2</sup> ·K)
Thermal transmittance (glazing)	Ut	1.1	W/(m <sup>2</sup> ·K)
Thermal transmittance (unit)	Urc	1.3	W/(m <sup>2</sup> ·K)
Resistance to static load (upwards)	UL	1000	Pa
Resistance to static load (downwards)	DL	1500	Pa
Reaction to fire class (dome unit)		E	
Reaction to fire class (SHEV-system)		E	
Resistance to sparks and heat		no	
Meltability of material		yes	
Reaction to fire class		B300 30	
Aerodynamic free area	Aa	0,81	m <sup>2</sup>
Snow load	SL	2200	kN/m <sup>2</sup>
Wind load	WL	1500	kN/m <sup>2</sup>
Low ambient temperature class		T(-15)	
Weighted sound reduction index	Rw (C; Ctr)	20	dB
Fall through safe in closed state		for 1 year	





<b>Dimensions</b>		
A	Order size - bottom clear width / length	120 / 120 cm
D	Upper clear width / length	100 / 100 cm
H	upstand height	30 cm
<b>components</b>		
s	Dome shell	TOP-90-PLUS
k	Upstand	GRP-Upstand
n	SHEV system	FIREJET 165J SA 24V open/close
b	on site	

<b>Details</b>			
Layers:	geometry:	Light entry crosssection:	Ventilation frame:
2	Euro	1 m <sup>2</sup>	yes
Geometrically free area			
1 m <sup>2</sup>			

<b>performance</b>	<b>Icon</b>	<b>Norm</b>	<b>Notified Body</b>
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