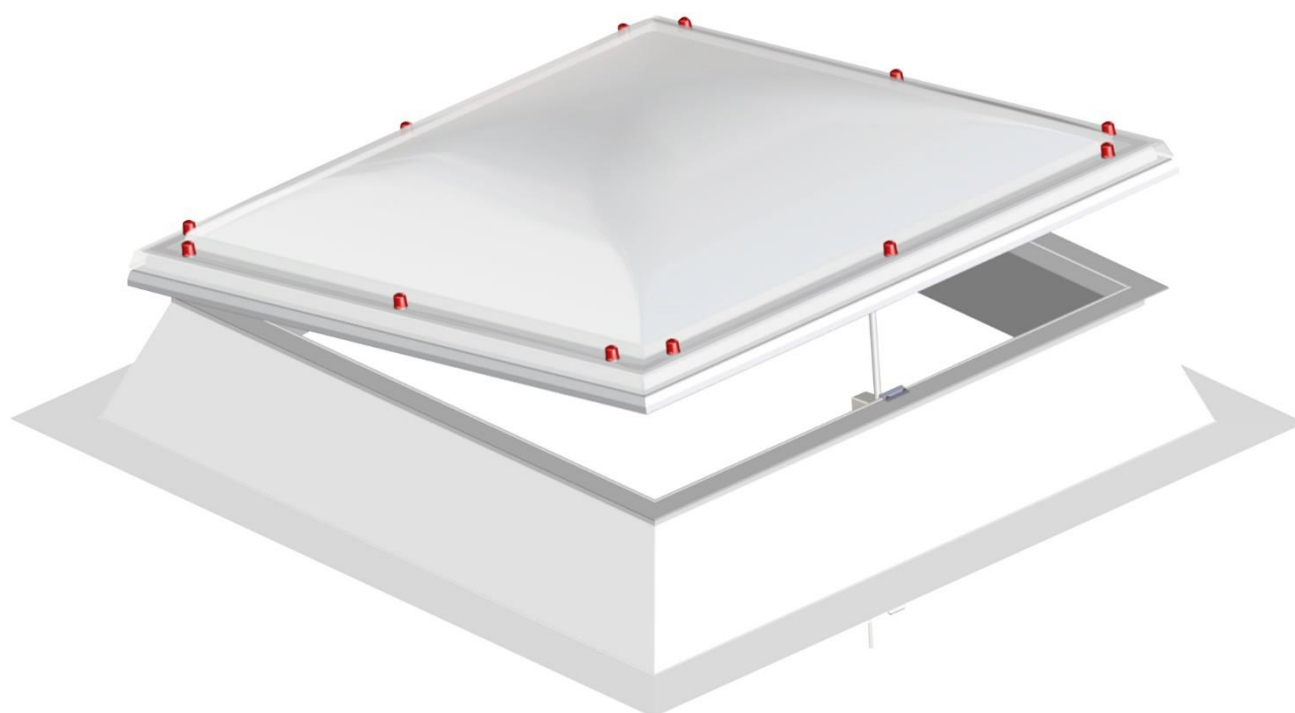
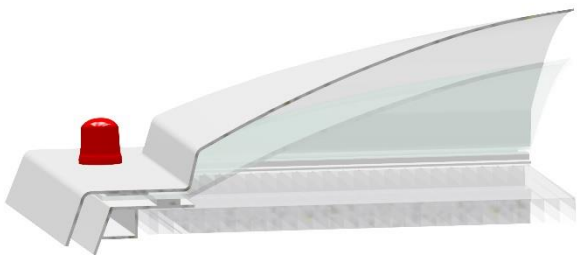


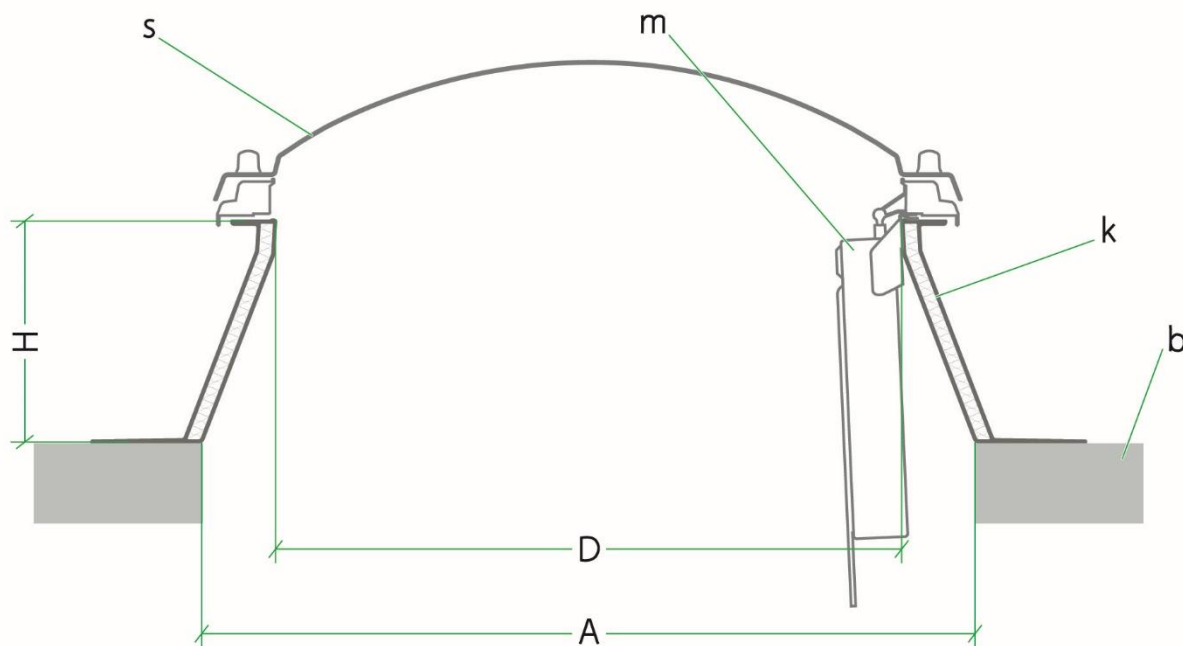
| | |
|--|--|
| Product line: Light dome | |
| Product: TOP-90-PLUS | Size: 120 x 120cm |
| Dome shell material: PMMA [external+inside], SMP 16/7w-12 [inside] | Layer configuration: opal/clear/opal |
| upstand: GRP-Upstand | upstand height: 30cm |
| function: ventable | Venting lift height: 300mm |
| 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 | 1.4 | W/(m ² ·K) |
| Thermal transmittance (glazing) | Ut | 1.1 | W/(m ² ·K) |
| Thermal transmittance (unit) | Urc | 1.3 | 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) | | E | |
| 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 | GRP-Upstand |
| m | motor | M12-230V |
| b | on site | |

Details

| | | | |
|-------------------------|-----------|---------------------------|--------------------|
| Layers: | geometry: | Light entry crosssection: | 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 |