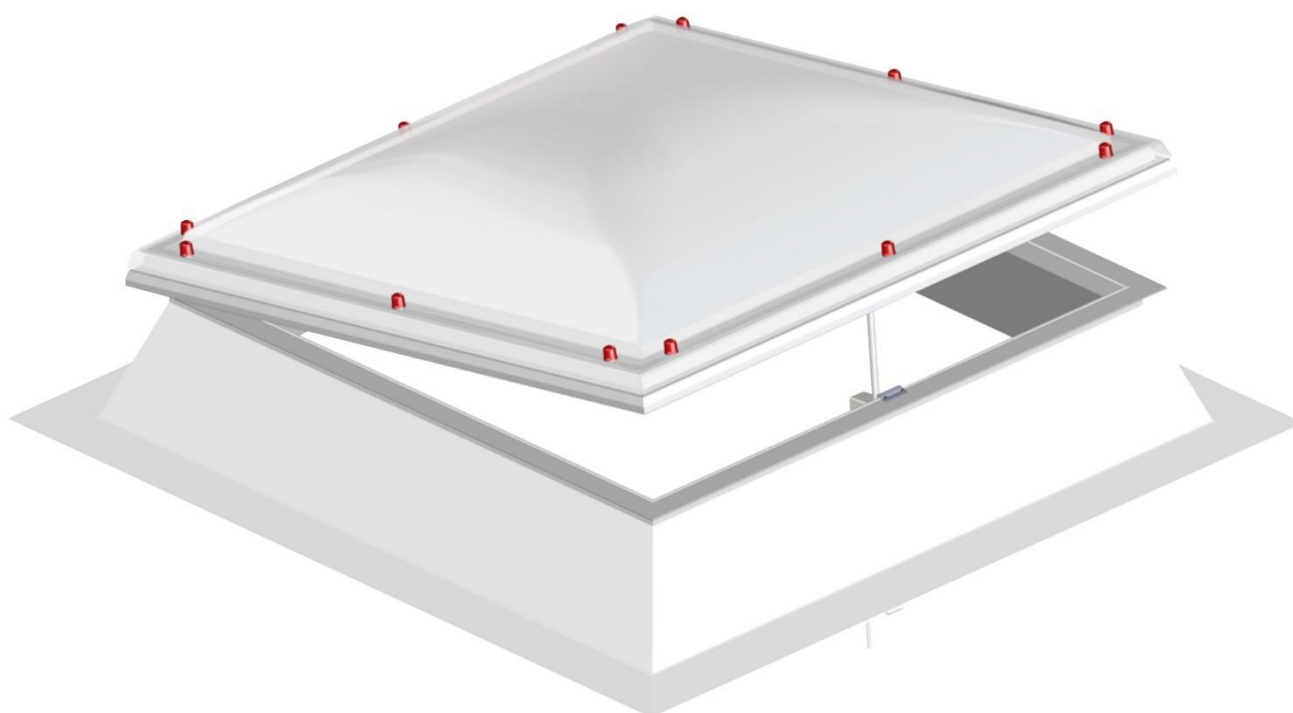



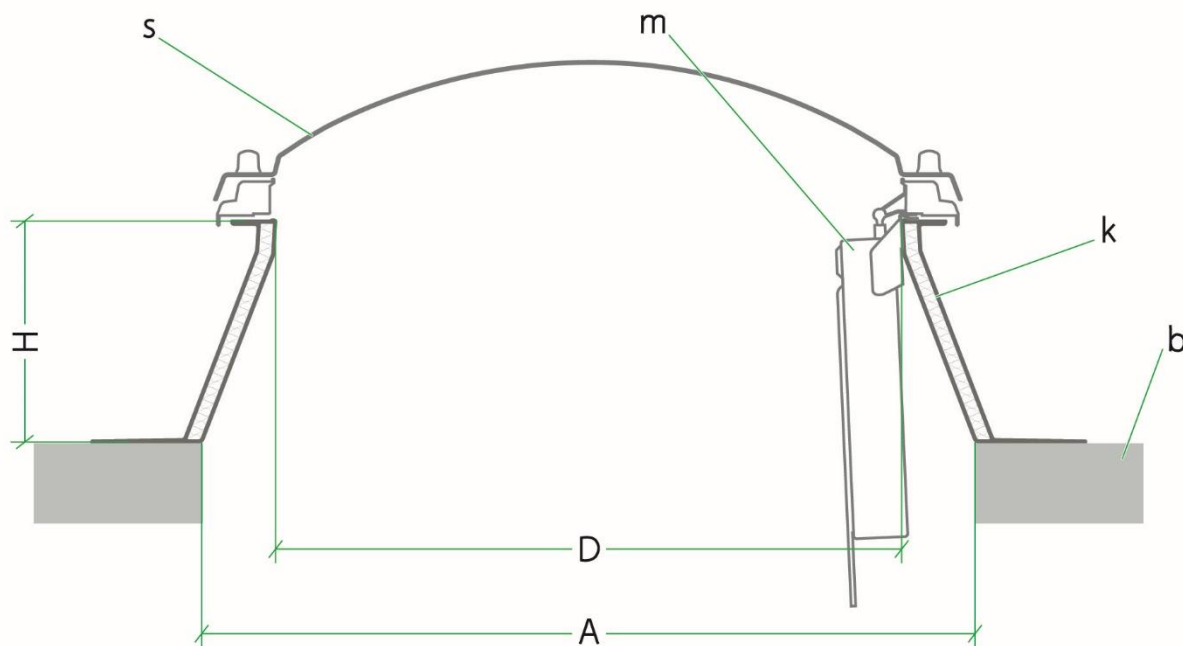
|   |  |
|---|--|
| <b>Product line:</b><br>Light dome                    |  |
| <b>Product:</b><br>TOP-90                             | <b>Size:</b><br>120 x 120cm                |
| <b>Dome shell material:</b><br>PMMA [external+inside] | <b>Layer configuration:</b><br>clear/clear |
| <b>upstand:</b><br>GRP-Upstand                        | <b>upstand height:</b><br>30cm             |
| <b>function:</b><br>ventable                          | <b>Venting lift height:</b><br>300mm       |
| <b>Hinge side:</b><br>long side                       | <b>Locking type:</b><br>solo               |
| <b>SHEV system:</b><br>-                              | <b>SHEV Electrical system:</b><br>-        |
| <b>Wind deflectors:</b><br>-                          | <b>fall through protection:</b><br>-       |

All drawings in this document are for illustrative purposes only.



| Designation                           | value parameters | value | unit                  |
|---------------------------------------|------------------|-------|-----------------------|
| Light transmittance                   | TD65             | 86    | Percent               |
| Light transmittance                   | Te               | 76    | Percent               |
| Total energy transmittance            | g                | 79    | Percent               |
| Thermal transmittance (upstand)       | Uup              | 1.4   | W/(m <sup>2</sup> ·K) |
| Thermal transmittance (glazing)       | Ut               | 3     | W/(m <sup>2</sup> ·K) |
| Thermal transmittance (unit)          | Urc              | 2.06  | 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     |                       |
| 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     |                  | no    |                       |

| 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      |
| k | Upstand    | GRP-Upstand |
| m | motor      | M12-230V    |
| b | on site    |             |

**Details**

|                         |           |                           |                    |
|-------------------------|-----------|---------------------------|--------------------|
| Layers:                 | geometry: | Light entry crosssection: | Ventilation frame: |
| 2                       | Euro      | 1 m <sup>2</sup>          | yes                |
| Geometrically free area |           |                           |                    |
| 0.6 m <sup>2</sup>      |           |                           |                    |

| 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           |