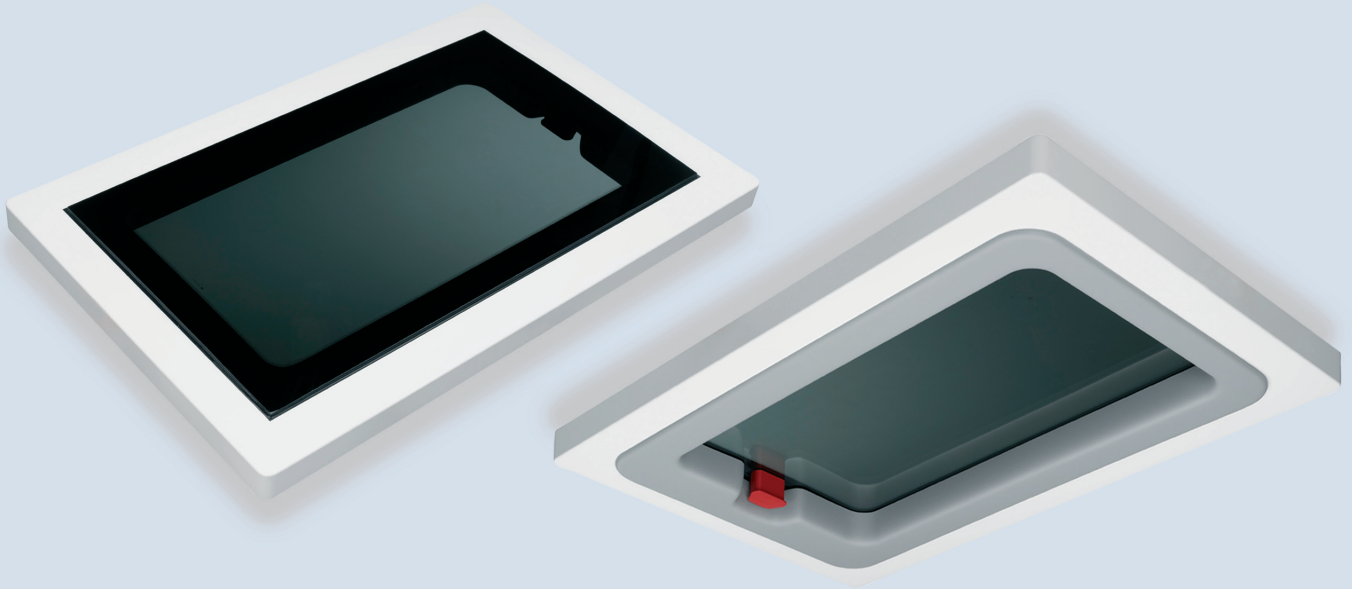




SPHEROS

Roof-top Glass Panel, emergency exit

▶ PANORAMA Emergency Exit Isolated Window



Hatches / Fans

Safety and Comfort by Spheros

The PANORAMA Glass Roof is a unique combination of the best roof window and emergency exit properties. The glass panel has double glazing to maximize the isolation. Dark top glass, Venus 10, and grey interior glass, Optifloat Grey, as combined has a light transmission of 5 %. The glass panel itself has an integrated emergency release system with an alarm function.



Highlights:

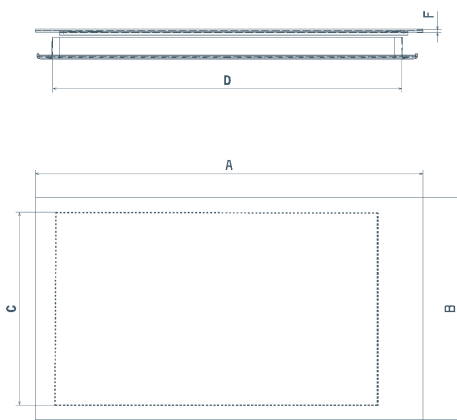
- Double glazing for maximum isolation
- Very dark glass for maximum solar comfort
- Integrated emergency exit mechanism
- Emergency exit warning alarm for misuse
- No condense issues
- Glass gives the passenger cabin a spacious feeling
- Flat design
- Mass 12.5 kg
- ECE R 43 tempered glass
- 8000 radius to prevent vibration

The Panorama Glass Panel complements the Sferos Roof Hatch Program with a luxury, simple product, which is easy to install and fulfills the requirements of any demanding customer. A glass panel makes the vehicle cabin more spacious and lighter. Double glazing isolates, preventing hot and/or cold weather conditions from causing condensation problem.

Most of the buses today are equipped with A/C units. Roof hatches as a source of ventilation are often concentrated to a distinctive market while the minibus and coach industry demand an elegant emergency exit only solution. Panorama is the optimal emergency exit solution for double deck buses, coaches, minibuses, and design vehicles. Elegant looks, integrated emergency exit release with an alarm function and double glazing makes it extremely low profiled, with zero condense problems. Simply; the state of the art elegant solution.

The glass panel thickness is 14 mm and the complete set weighs 12.5 kg. The outer glass panel is Venus 10, 4 mm thick and the interior panel is Optifloat Grey, 4 mm. Between the glass panels there is a 6 mm thick isolation layer with aluminum anti-moisture lists to keep the panels apart. To prevent vibration, the panels have an 8000 radius. When the emergency release is activated, removal of the cover housing releases a loud alarm. Underneath the cover, there is a push-button, which is ready to be triggered by a push. When the emergency trigger has been activated, the glass panel will not fall into the vehicle, but stay put due to the inner frame. In an occasion where emergency exit is triggered, only the outer glass panel breaks. Thus the people inside do not get falling glass onto themselves.

Dimensions:



The glass emergency exit is tempered glass according to ECE R 43.

Technical specifications:	Dimensions of Roof opening (mm)	A Length of dome	B Width of dome	C Inner width	D Inner length	E Height (open)	F Height (closed)	G Opening
PANORAMA	530 x 970	1030	590	510	925	-	8	-