

# Des- cending windows

# The vertical highlight

air-lux is expanding its product range to include a new range of descending windows with an impressive new opening function. They can be opened across their entire width, with the whole descending window “sinking” into the floor.

## Looking good

### Easy operation, maximum safety

The descending windows are operated by dead man switch, i.e. by constantly pressing a pushbutton.

Fully automatic control is also available on request, with safety guaranteed by radar or infrared sensors.



## Dimensions

### Big is good – bigger is better!

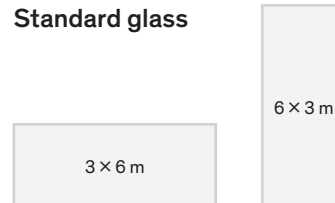
There are almost no limits when it comes to the size of descending windows. The size of a descending window is limited only by the maximum possible size of the glazing, as follows:

- **Standard glass:** 3 × 6 m
- **Special glass:** 3.5 × 20 m

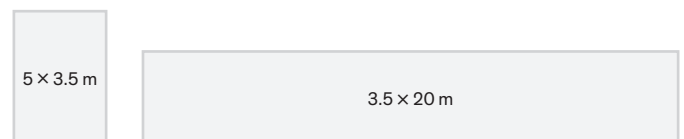
The larger a descending window can be made, the more impressive the effect when it is open.

Glass of various thicknesses can be used, and bullet-proof safety glass is also an option.

### Standard glass

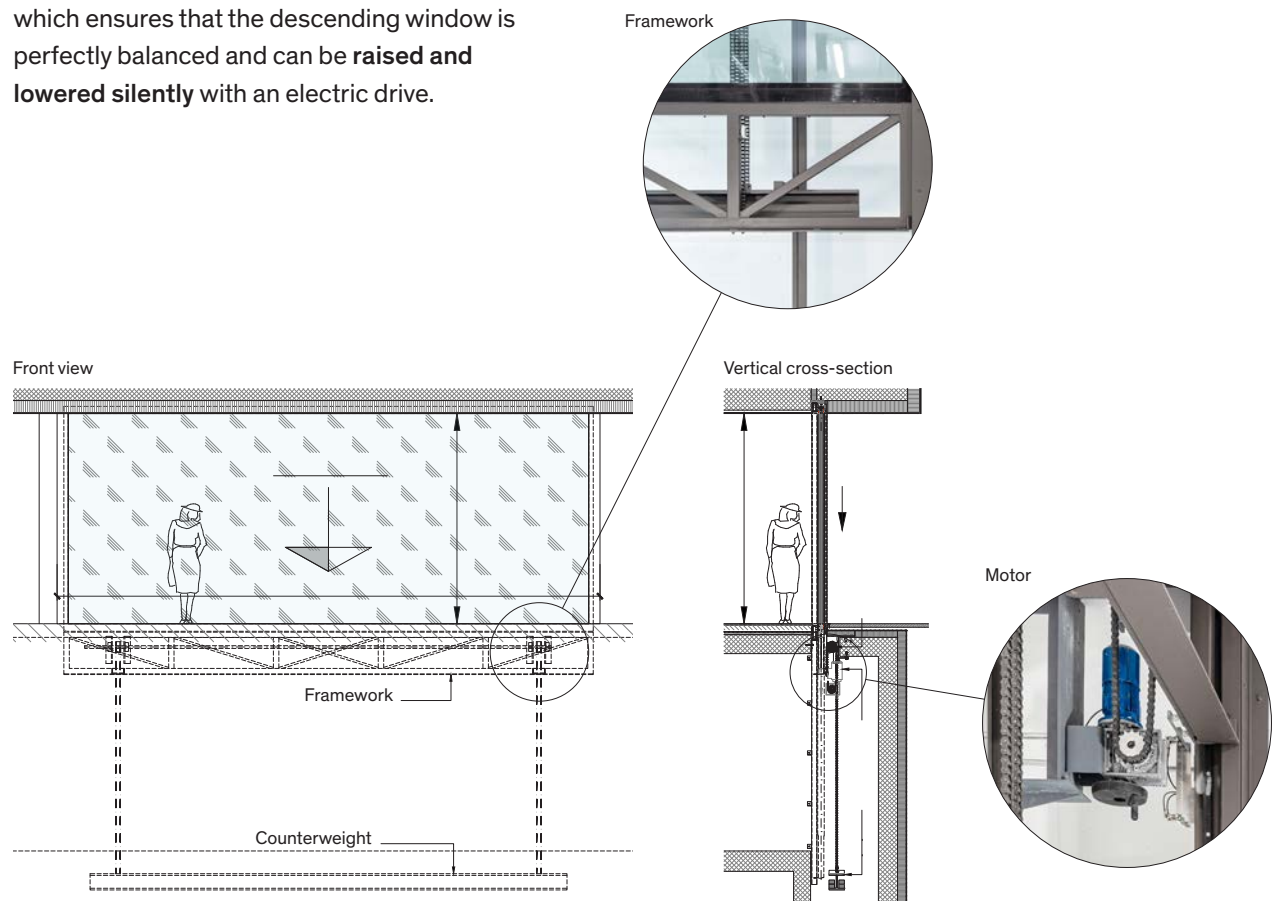


### Special glass



### Perfectly balanced

The descending window stands on a stable **framework** connected to a counterweight which ensures that the descending window is perfectly balanced and can be **raised and lowered silently** with an electric drive.



## A look behind the scenes

### Equipment space

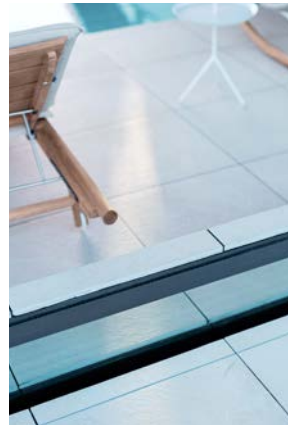
Given that the descending window disappears completely into the floor, sufficient space is required underneath the window.

- Space for the technical equipment (control system, motor, drive shaft, counterweight).
- Access required for servicing
- air-lux dimensions the equipment space



### Completely concealed

No threshold visible when the window is open. Whether you have parquet flooring, flagstones, or stone, the existing floor texture can be incorporated.



### 100% leak-proof

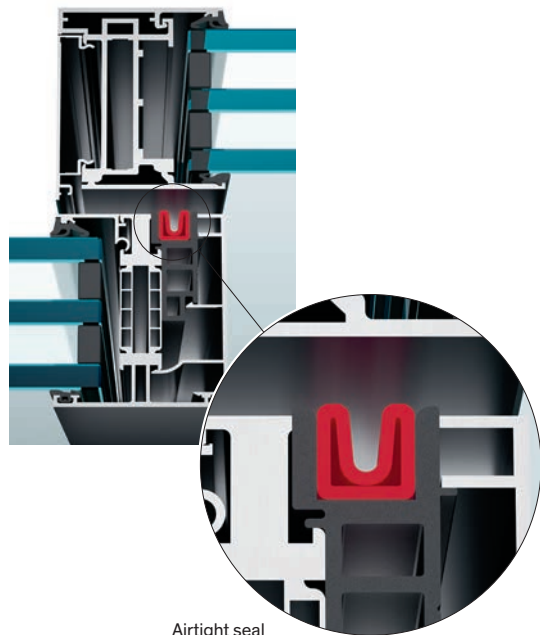
The unique air-lux sealing concept with all-round inflatable ring seals guarantees 100% sealing against driving rain, wind, and noise.

### Closing the window

- Press the button to inflate the seal with air
- The gap between the slider and the fixed frame is completely sealed

### Opening the window

- Press the button to release the air
- The seal returns to its original rolled-up position



Airtight seal





Descending windows open in different positions



### Ten-year warranty

air-lux descending windows are made in Switzerland from high-quality aluminium profiles and materials. The workmanship of our robust and yet filigree frames meets the highest quality standards, which is why air-lux guarantees flawless operation and provides a ten-year warranty on the seal, frame, and fittings. What is more, our service team provides 24-hour support for air-lux customers.



**Our descending windows are CE-compliant and meet the following safety regulations and EU directives/standards:**

- EC Machinery Directive 2006/42/EC
- EMC Directive 2014/30/EU
- DIN EN ISO 12100:2010  
Safety of machinery
- DIN EN ISO 13849- 1+2:2015  
Safety of machinery
- DIN EN ISO 14118:2018 2018-07  
Safety of machinery
- DIN EN ISO 14120:2015  
Safety of machinery
- DIN EN 60204- 1:2019-06  
Electrical equipment of machines
- DIN EN 12453: 2017-11  
Safety in use of power operated doors
- DIN EN 12978:2009-10  
Safety devices for power operated doors and gates
- DIN EN 14351-1: 2006  
Windows and doors - Product standard