

## SOLARLUX SL 25R Balcony Glazing System

### The Features

#### Profile System

- Panel thickness 27mm
- Framed slide and swivel system
- In-line support, with vertical frames

#### Standard Window System

- Can be combined with SL 45 standard window system: parapets, fixed panels, tilt and turn

#### Fittings

- No protruding runner and guide tracks
- Concealed fittings for one hand operation
- Turning sash equipped with knob grip for easy internal and external operation
- Extensive layout options thanks to mobile carriage which can be manoeuvred through all angles from 90° - 180°

#### Glazing

- Standard glazing is single pane safety glass
- Glass thickness 6, 8 or 10 mm available

#### Surface Finish

- Powder coating
- Anodised aluminium

#### Tested for / Approved by

- Permanently vented system, water tight
- IWT (Institute of window technology) certificate no. 106 31293
- TÜV certificate no. B 99 09 37329 001
- 18,000 cycles - vacuum and pressure tested, both +/-1,000 Pa
- 10,000 opening and closing operation cycles
- Pendulum impact test with 45kg penetrator which impacts the glazing from deflection angle of 30° and with radius of 1.2 m
- Otto-Graf-Institut, University of Stuttgart test report no. 25-31188

*Testing to Australian Standards pending.*

### Application Examples



Balcony Glazing



Glass House



Balcony Glazing



Balcony Glazing

### Modern Balcony Glazing – More than Just a Facade



## SOLARLUX SL 25R Balcony Glazing System



# SOLARLUX SL 25R Balcony Glazing System


Modern Balcony Glazing – More than Just a Facade

**1**

**Engineered**

- Horizontal twin ball bearing runner devices guarantee that window sashes can be slid open extremely smoothly.
- Manoeuvrable through any angle 90° to 180°


**2**



**Height adjustment**

- Height compensation section to absorb tolerances of up to 35 mm
- Neat transition between frame and wall, without unsightly cover plates. Quick and trouble free installation.

**3**



**Transparency**

- Panel joints of only 52mm width ensure maximum view

**4**




**Ventilation**

- Lockable two-step trickle ventilation for controlled ventilation (optional)



**5**



**Width adjustment**

- Width compensation up to 30mm by means of adjustable frame and panel stops (without additional trims).

**6**



**Cleaning**

- Cleaning of outer glass surface is easily carried out from the inside.
- Improved optical characteristics thanks to laterally secured sash profiling.


**7**



**Weather stripping / acoustic insulation**

- Permanently vented system, secure from driving rain.
- Sound level reduction of 25dB

**8**

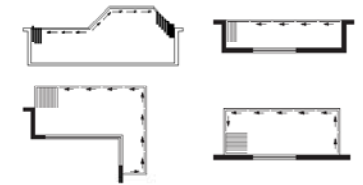


**Security / Comfort**

- Integrated 2-step-locking
- Patented one handed operation by means of stainless steel cable control
- Child lock / lockable intruder protection (optional)

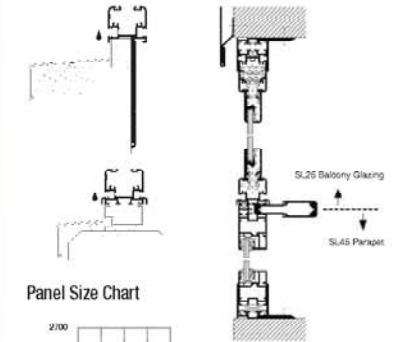
## Specification For Solarlux SL 25R Balcony Glazing

Examples in Plan View / Configuration Variants

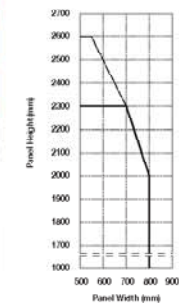


Available as top hung balcony glazing. Can be made to slide outward, inward, to the left or to the right - as required.

Examples of Floor or Parapet Details



Panel Size Chart



**Maximum Panel Sizes**

- 800 x 2000 mm
- 675 x 2300 mm
- Panel weight up to 80kg
- Special sizes on request

**Maximum Opening Width**

- Unlimited

Note: Appropriate glass thickness and size varies according to the proposed location and use. It is determined by the Building Code of Australia and Australian Standards. Advice should be sought from a qualified structural or facade engineer.