

### Measuring Exterior Solar Roller Shades with Cables, Bungees:

These measuring instructions are recommended at all times when measuring Solar Roller Shades with no guide system, cable guides or bungees. Following these instructions each time will ensure a proper fit and give you a consistent installation.

If for any reason these instructions will not work for your situation. Please request a technical measure to ensure fit.

For Patio Openings:

- Before measuring check opening for any obstructions or extreme variations in wall surfaces.
- Create diagram of opening to be measured.
- Measure opening width in 3 places: Top, Center and Bottom.
- Write measurements on diagram.
- Measure opening a second time to verify correct measurements
- Deduct 3/4 inch from narrowest of the 3 width openings
  - This will be your unit width.
- Measure opening height.
  - When measuring the opening height remember that you are specifying the drop of the fabric. This means that you need to determine how much fabric needs to come off the roll /out of the box. For example: The opening height is 100" and you are measuring a cabled guided shade under mount:  $100'' \text{ minus } 5.5'' \text{ or } 4'' \text{ (Brackets/Box) } = 94.5 \text{ or } 96$  (Required shade drop). These formulas will help.
    - **Outside Mount Cable:** Shade Drop = Opening height
    - **Inside Mount Cable:** Shade Drop = Opening height
    - **Under Mount Cable:** Shade Drop = Opening height minus (Brackets/Box) (5.5" or 4")
  - **Note:** Sometimes the drop of the shade is less than the opening height. The drop is determined by the shading that is needed.
- Hanging:
  - Manual Shades: Determine the hanging as if you were operating the shade. Stand where the shade is operated are you on the left or right of the shade.
  - Motorized Shades: Determine where the power will come from and specify the motor on that side of the shade.

Please use these instructions as a guideline when measuring your Solar Roller Shades and remember the most important thing is that the fabric and the guides don't rub and wear on the mounting surface.