



## DIVISION 12 FURNISHINGS - ROLLER SHADES

### Vision™ (V-84) NEO CHAINLESS SHADE SYSTEM SPECIFICATION

28/03/2025

#### 1. GENERAL

##### 1.1 ACCEPTABLE PRODUCT AND MANUFACTURER

- To establish a standard of quality, design and function desired. Drawings and product specifications are based on the Vision™(V-84) Neo Chainless Shade System provided by Sun Glow Window Covering Products of Canada Ltd.

##### 1.2 WARRANTY

- Sun Glow warrants its products for materials and workmanship. The warranty is valid for a period of five (5) years.
- Environmental damage, acts of God, abuse or misuse, improper handling, are not covered under this warranty.
- Installation, handling, costs associated with labour costs for any purpose, product removal, product installation, shipping or transportation, trips to or from product destination, or other incidental or consequential damages are to be covered by the authorized dealer providing product installation.

#### 2. PRODUCT

##### 2.1 V-84 NEO CHAINLESS SHADE SYSTEM

- Factory and fully assembled Neo chainless roller shades consist of: manual chainless system, aluminum tube, aluminum front and return fascia, aluminum bottom bar, mounting brackets, adjustable end brackets, assembly brackets, bracket covers and fabric as specified below.

##### 2.2 ALUMINUM SHADE TUBE

The shade tube shall be made of extruded aluminum alloy 6063-T5 with a thickness of 1.27mm (0.50 in). Roller tube shall be of sufficient diameter and wall thickness to prevent excessive deflection along its length.

##### 2.3 FASCIA SYSTEM (FRONT & RETURN)

- Fascia panels shall be installed to conceal the roller tube and mounting hardware, providing a clean, finished look.
- Fascia system must have built in leveling mechanism on idle end for easy adjustment onsite.
- Fascia panels shall be made of approximately 1.78mm (.07 inch) extruded aluminum 6063-T5 alloy.

##### 2.4 BACK FASCIA

- Back fascia is optional and is used to conceal roller tube & interior components from the exterior.
- Back fascia shall be made of approximately 1.78mm (.07 inch) extruded aluminum 6063-T5 alloy.

##### 2.5 CHAINLESS CLUTCH

- Window Shade System shall be an internal chainless-operated roller system.
- Clutch must never require any adjustment, either upon installation or afterwards.
- Movable components made from Delrin material to reduce friction & noise.

##### 2.6 EXPOSED BOTTOM BAR

- Extruded alloy 6063-T5 aluminum with a weight of 0.370 kg/m to keep fabric taut. Rectangular symmetrical shape with recess slot to secure fabric without visible seams. End caps shall be made of high strength, fiberglass-reinforced polyester and capped at both ends showing no exposed aluminum.

##### 2.7 BRACKET COVERS

- Bracket covers shall be used to conceal the adjustable end brackets. The end caps are made of high strength, fiberglass-reinforced polyester and capped at both ends. End caps can be reversed to allow for left or right operation and shall have a finished look to complete the V84FR system.

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**Vision™ (V-84) NEO CHAINLESS SHADE SYSTEM SPECIFICATION****2.8 MOUNTING BRACKETS**

- Mounting Brackets cut and punched from extruded 6063-T5 alloy aluminum.
- Brackets designed to allow the fully assembled roller shade assembly to be securely snapped into place.
- Mounting brackets must be capable of mounting wall or ceiling mount.

**2.9 FABRIC**

Fabric shall be selected from Manufacturer's standard fabric selection.

- Fabric shall be certified by an independent laboratory to pass flame-resistance requirements.
- Fabric shall meet the required environmental certifications.
- Colour: To be selected by consultant from Manufacturer's standard selection.

**2.10 FINISHES**

- Exposed aluminum surfaces shall be pretreated and anodized or painted with a baked-on enamel finish. Surface colour (excluding fabrics) shall be selected by the Consultant from manufacturer's standard color range. Thermoplastic components shall be made of high strength, fiberglass-reinforced polyester, with UV stabilizer.

**2.11 CHAINLESS SYSTEM OPERATION**

- Chainless system must have the ability to be pulled by the bottom bar without any possibility of damaging the internal components or dislodging the unit from the surface that it is mounted on.
- Chainless system must be capable of smoothly raising and lowering the shade to any desired height and maintaining that height with zero slippage. The system must have an automatic stop to prevent over winding at the highest position.
- Chainless system to have speed reducer mechanism, to prevent the bottom bar from slamming into the cassette while in operation.
- Chainless system to have preset stop position on units where the heights are too tall for the operator to operate.
- Chainless system must be tested, balanced and fully assembled at the factory.

**3. EXECUTION****3.1 INSTALLATION**

- Install shade in accordance with accepted shop drawings and manufacturer's written instructions.
- Install shades in locations shown using seceded fasteners, plumb, true, square, and level in proper planes complete with all accessories.
- Install units within the following tolerances:
  1. An unguided roller shade within the 1:2.5 width to height ratio shall operate true and straight without telescoping more than 3mm (0.125in) in either direction due to weave design.
  2. The shade cloth fabric shall hang flat, without buckling or distortion. The edge, when trimmed, shall hang straight without raveling.

**3.2 ADJUSTMENT AND CLEANING**

- Adjust and correct fabric shade as required, to provide smooth and efficient operation with binding.
- Clean shade surfaces and remove all finder makes and smudges, Remove all protective films.
- Leave fabric shades in raised position and in first class condition upon completion of the Work of this Section.