



## DIVISION 12 FURNISHINGS - ROLLER SHADES

### Vision™ (V-102) CHAIN OPERATED SHADE SYSTEM SPECIFICATION

04/03/2016

#### 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-102) Chain Operated Shade System 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-102 ROLLER SHADE SYSTEM

- Fully assembled manual roller shades consist of: manual clutch with built in Lift Assist Mechanism (L.A.M.), built in leveling system, modular design front fascia cover with returns, stainless steel chain, aluminum tube, aluminum bottom bar, shade brackets, metal end brackets with caps, mounting brackets, and fabric as specified.

##### 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 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 CLUTCH

- Window Shade System shall be a sprocket chain-operated roller system.
- Clutch must never require any adjustment, either upon installation or afterwards.
- Standard dual clutch for manual chain operation on drive and idle end. Allows the chain drive-side to be switched on-site, without dismantling the shade.
- 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 DRIVE CHAIN

- Shall be stainless steel chain and provide drive chains with upper and lower stops to prevent over winding or unrolling.
- Ensure chain has a load pull test rating of 400 N (90 lbs). Provide drive chains with upper and lower stops to prevent over winding or unrolling.

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**Vision™ (V-102) CHAIN OPERATED SHADE SYSTEM SPECIFICATION****2.8 MOUNTING BRACKETS**

- Mounting brackets must be capable of mounting wall or ceiling mount.
- The brackets must lock shade securely in place to prevent dislocation of shade.

**2.9 FABRIC**

Fabric shall be selected from Manufacture'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 OPERATION**

- Clutch must have an internal Lift Assist Mechanism (L.A.M.)
  1. L.A.M. must reduce the pull force by 50% minimum on the up travel of the shade.
  2. Coil spring brake mechanisms are not allowed. Shades must be able to be pulled down by the bottom bar.
- Shade systems 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 both the highest and lowest shade position.
- Fascia 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.