



DIVISION 12 FURNISHINGS - ROLLER SHADES

Vision™ (V-102) CHAIN OPERATED 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-102) Chain Operated Shade System by **Sun Glow Window Covering Products of Canada Ltd.**

1.2 WARRANTY

- Manufacturer's product warranty should be valid for a period of at least two (2) years.
- 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 drive with built in Lift Assist Mechanism (L.A.M.), clutch idle end, built in leveling system, modular design front fascia cover with bottom returns, stainless steel chain, aluminum tube, aluminum bottom bar, shade brackets, metal end brackets with caps, mounting brackets, and fabric as specified.
- Capable of being operated by a chain on either side simultaneously and lowered effortlessly by the bottom bar without damaging the internal clutch assembly.

2.2 ALUMINUM SHADE TUBE

The shade tube shall be made of extruded aluminum alloy 6063-T5 with a thickness of 1.778mm (0.07 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 with attached fabric and mounting hardware, providing a clean finished look.
- Fascia return can be manufactured to allow the reverse rolling of different shade fabrics as specified by the manufacturer.
- Fascia system must have built in leveling mechanism for easy adjustment onsite.
- Fascia panels shall be made of approximately 1.778mm (.07 inch) extruded aluminum 6063-T5 alloy.

2.4 BACK FASCIA (OPTIONAL)

- Back fascia can be used to conceal/shield the roller tube with attached fabric and interior components from the exterior elements.
- Back fascia shall be made of approximately 1.778mm (0.07 in) extruded aluminum 6063-T5 alloy.

2.5 TOP COVER (OPTIONAL)

- Top cover can be used to conceal/shield the roller tube with attached fabric and interior components from the exterior elements.
- Top cover may also be used in conjunction with the front, return, and back fascia to achieve a fully enclosed cassette.
- Top cover shall be made of approximately 1.778mm (0.07 in) extruded aluminum 6063-T5 alloy.

2.6 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, or chain operation from either side simultaneously.
- Movable components made from Delrin material to reduce friction & noise.

Sun Glow Window Covering Products of Canada Ltd.
Contract - Residential - Distribution

Telephone: 416.266.3501 **Toll Free:** 800.668.1728
Fax: 416.266.5484 **Toll Free:** 877.245.9943

50 Hollinger Road, Toronto, Ontario, Canada M4B3G5

www.mysunglow.com

Vision™ (V-102) CHAIN OPERATED SHADE SYSTEM SPECIFICATION**2.7 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 nylon and capped at both ends showing no exposed aluminum.

2.8 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).

2.9 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.

2.10 FASTENERS:

- Non-corrosive metal screws for attachment to windows or curtain wall framing, concealed in completed installation.

2.11 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.

2.12 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.

2.13 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. 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 excessive curling.

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.