

**BTX Intelligent Fashion  
Product Specifications  
Gemini Shade Systems**

**Manual Gemini – (CB Model)**

**Part 1 – General**

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**1.01 Summary:**

Scope of work is to provide Gemini shades that are operated by BTX manual lift system along with accessories, attachment hardware, and equipment necessary to complete satisfactory installation.

**1.02 Turnkey responsibility for motorized roller shade systems:**

- A. To ensure control of responsibility for satisfactory performance and installation of the motorized roller shade systems, the design, engineering and installation shall be assigned to a single manufacturer and his authorized dealer/installer.
- B. The base building contractor (main contractor) shall provide and coordinate the following items with the window shade contractor/installer for all window shade systems.
  - 1. Shade pockets recessed into ceiling

**1.03 Submittals**

- A. Manufacturing literature to describe assembly, materials, installation instructions, and specific data. Include any pertinent wiring diagrams.
- B. Shop drawings are to include, but are not limited to, all components, fasteners, and installation methods.
- C. Window Systems are custom-built based on measurements taken in the field.

**1.04 Warranty**

- A. Manufacturer shall provide five (5) year warranty from the date of installation on all shade motors. All operating control and electronic accessory components shall carry a one (1) year limited warranty against defects in materials and workmanship.

**1.05 Delivery and storage**

- A. Systems shall be delivered to the site in original manufacturer's containers.
- B. Containers shall be uniquely labeled to identify the corresponding window openings and locations.
- C. All materials shall be stored in a dry, secure place protected from weather, water and heat, surface contaminants, construction traffic and all other potential damage.

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**Part 2 – Products**

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**2.01 Manufacturer:**

- A. BTX Window Automation  
10763 Sanden Drive  
Dallas, TX 75238 USA  
(800) 422-8839

**2.02 Components:**

- A. Clutch shall be comprised of multi-banded steel springs that create the pressure necessary to keep the shade in the desired position. System to be symmetrical for left or right-hand installation. Clutch permits torque to be transmitted to the shade roller only in one direction. In the other direction the roller is nearly free to rotate so that the weight of the shade material prevents movement in the reverse direction.
- B. Tube shall be 30mm or 38mm extruded aluminum.
- C. Snap-in motor and idler brackets shall be either stamped steel, die-cast, or injection molded plastic and allow the motor or idler ends to lock into the bracket for ease of installation.
- D. Idler end plug shall match the tube shape internally and is provided with accompanying idler pin that attaches to mounting bracket. Idler components are made from injection molded plastic.
- E. Double-sided tube tape is used and for fabric attachment.
- F. Bottom Bar set shall be extruded aluminum and utilizes two parts, internal and external. The fabric shall wrap around the internal bottom bar component from within the external bottom bar component. This is to ensure uniform weight distribution and operation and allow fabric to loop back up toward the system brackets.
- G. System shall utilize top mounting profile or fascia hardware for capturing the end of the fabric panel to apply the dual-layer effect. Mounting profile and fascia shall be extruded aluminum.
- H. Shade Pocket and Pocket Enclosure shall be made of extruded aluminum for optional mounting in recessed ceiling pocket.
- I. Fabric should be manufactured with alternating bands of transparency in order to apply louvered style fabric pattern. Fabric shall be specified by designer/decorator/end-user. Please refer to BTX sample binders for specifics on color selection, parameters/guidelines and attributes.

**2.03 Controls:**

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- A. System shall be controlled by a metal or plastic pulling chain with metal or plastic ball stop to limit the extension of the shade. Systems are to be provided with tensioner device installed at the bottom of the chain loop for compliance with industry safety regulations.

**Part 3 – Execution**

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**3.01 Inspection and Preparation:**

- A. Qualified installer shall be responsible for window measurements prior to installation, installation conditions, and preparation of all mounting surfaces.

**3.02 Installation:**

- A. System installation shall be in accordance with BTX mounting instructions.

**3.03 Maintenance:**

- A. Lift system components should not require routine maintenance under normal operating conditions.
- B. For fabric care refer to fabric manufacturer's care and use directions.