

## Mark I® 1 Inch Blind Model # MARK1

Top quality positioned 1 inch horizontal aluminum window covering for non-pocket commercial applications.

### Part I - General

#### 1.01 Scope

**A.** Furnish and install LEVOLOR blinds, provided by LEVOLOR, 1400 Lavon Dr., McKinney, TX 75069, in accordance with specifications, drawings, and contract documents.

**B.** Related work specified elsewhere.

#### 1.02 Quality Assurance

**A.** Installer's qualifications:

1. The installer shall be a firm approved by LEVOLOR Commercial.

2. The installer shall be qualified to install the product specified, as demonstrated by prior experience.

#### 1.03 Submittals

**A.** Product information: Submit Levolor's product literature and installation instructions.

**B.** Shop drawings: Indicate field-measured dimensions of opening which are to receive blinds, details on mounting surface and sill conditions, and details of corners and conditions between adjacent blinds.

**C.** Color samples: Submit a sample of each type and color of material specified.

#### 1.04 Delivery, Storage, and Handling

**A.** Packing and Shipping

1. Materials shall be delivered to the project in Levolor's original unopened packaging with labels intact.

2. Stacks shall be covered with tarpaulins or plastic so that ventilation is provided for, and so that contaminants are prevented from contacting surfaces.

**B.** Storage

1. Materials shall be stored in a clean area which is free of corrosive fumes, dust, and away from construction activities.

2. Materials shall be horizontally stacked using plastic or wood shims so that drainage and ventilation are provided for, and so that water cannot accumulate in, about or upon the containers.

#### 1.05 Project/Site Conditions

(Before Product Installation Begins)

**A.** Roof must be tight, windows and frames installed and glazed, and interior doors hung.

**B.** Wet work including concrete, masonry, plaster, stucco, terrazzo, sheet-rock, spackling, and taping (including sanding) shall be complete and dry.

**C.** Ceilings, window pockets, electrical, and mechanical work above the product shall be complete.

**D.** Electrical power (110 volt AC) shall be available for installer's tools within 500 ft. of product installation areas.

#### 1.06 Warranty

**A.** Limited Lifetime Warranty: LEVOLOR Commercial shall repair or replace for the life of the blind, at its option, without charge, any part found defective in workmanship or material as long as the blind remains in the same window for which it was purchased.

### Part II - Products

#### 2.01 Manufacturer and Product Description

**A.** Acceptable product: Mark I® 1 Inch Blind manufactured by LEVOLOR (model #MARK1).

**B.** Materials:

1. Headrail shall be of .025 inch thick painted steel, 1 ½ inch high x 1 5/8 inch wide with a crowned underside profile to prevent light leakage. Headrail shall be a valance-free design and shall be coated with a baked-on finish. All headrail detailing shall be polyethylene. All hardware shall be enclosed in the headrail.

2. Guardian Tilter mechanism shall be of .042 inch thick Tomized steel housing with a self-lubricating nylon, automatic disengaging worm and gear mechanism to provide maximum closure, eliminate overdrive, and prevent strain or damage to blind.

3. Tilt Wand shall be solid, clear, transparent polymer with a round cross section 5/16 inch in diameter. The tilt wand mechanism shall exit the bottom of the headrail via a U-shaped bright metal-plated steel link. The tilt wand end contains a split eye machining detail which facilitates attachment and removal of the wand to the headrail.

4. Cord Lock shall be .042 inch thick Tomized steel and shall be securely attached to headrail. It shall be a crash-proof type with sufficient sensitivity to lock slats at desired height upon release of cords.

5. Drum and cradle shall be provided for each ladder.

**a.** Drums shall be .031 inch Tomized Steel having two holes with rolled edges to anchor barbs of both ladders ends.

**b.** Cradles shall be of 0.42 inch thick Tomized Steel having three holes with rolled edges to guide cords through bottom of headrail without abrasion. They shall provide bearing support for the tilt rod, thus preventing the weight of the blind from being transferred to the tilter. Cradles shall center drums over ladder openings.

6. Tilt rod shall be designed to achieve a torsional deflection limit of less than or equal to 6 degrees per 30 inches length with an applied torque of one foot-pound. Tilt rod shall be solid D-shaped with an average cross section of 0.28 inch.

7. Installation brackets shall be a one-piece, .032 inch zinc-plated spring steel designed to minimize light gaps. A spring mechanism provides preload engagement with the headrail. There are two types of installation brackets: a bracket designed for ceiling mount applications that is completely concealed within the headrail and a wall mount bracket. Six shims are supplied with each blind to assist in installations involving uneven surfaces.

8. Intermediate Brackets shall be of the same design as installation brackets. They shall be installed with blinds over 50 inches. Brackets shall be supplied as required.

9. Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standards. The two vertical components shall be .076 inches x .038 inches designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50lbs. per cable. Horizontal components (rungs) shall consist of not less than two crossed cables inter-braided with the vertical components. Ladder shall support the slats without visible distortion. Distance between slats shall not exceed 21.5mm. Distance between ladders shall not exceed 23 inches for blinds up to 80 inches long. For blinds over 80 inches long, distance between ladders shall not be greater than 22 inches. Distance between end ladder and end of slat shall not exceed 7 inches.

10. Slats shall be of 5000 series magnesium aluminum alloy to optimize tensile and yield strength for superior slat strength, resiliency, and corrosion resistance. Slats shall be nominally 1 inch wide and .008 inch thickness. Slats shall have coating thickness of .8 mil to 1.5 mil. Slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95 degree F testing, and 250 hours of accelerated weathering testing without blistering, fading, corroding, or adhesive failure. Slat thickness and ladder support distances shall prevent visible sag or bow after continued use indoors.

DustGuard® feature is a permanent, patented paint process that disrupts the natural static attraction of airborne dust particles.

Slats shall be (select one)

- a. Unperforated
- b. SheerView perforated slats shall be perforated with a staggered pattern of .020 inch diameter holes, nominally 177 per inch of slat length. Slats shall have an openness factor of 6%. Available on select colors. Not available with LightMaster™.

11. Bottomrail shall be of .029 inch thick painted steel and shall be fully enclosed with color compatible flexible vinyl bottom bumper and high-density polyethylene end caps designed to prevent bottomrail from marring window sill and/or mullions. End caps shall provide hold-down capability designed to prevent bottom bar sway on doors or in windy exposures.

12. Lift Cord shall be braided of high strength, 1.4mm dia. Polyester fiber, 34 picks per inch, 16 carrier smooth braids, and shall be flexible, have minimum stretch, maximum abrasion resistance characteristics, and a minimum breaking strength of 130 lbs. Cord shall be of sufficient length equalized to properly control raising and lowering of blind and spaced not over 46 inches between cords.

13. Lift Cord Tassel shall allow for field adjustment of lift cord length.

14. Color of blind shall be selected from Mark I® 1 Inch Blind colors, including Tiltone colors, metallic finishes and specialty finishes.

15. Options shall include:
- a. Cordless (model #MARK 1C)
  - b. Cordless with LightMaster™ (model MARK1CP)
  - c. Cutouts
  - d. End Mount Bracket
  - e. Extension Brackets
  - f. Hold-down Brackets
  - g. LightMaster™ (model MARK1P)
  - h. Multi-Colored Striping
  - i. Multiple Blinds on One Headrail
  - j. Ring Pull
  - k. Telescopic or Non-Telescopic Tilter Pole
  - l. Top Lok Cord Lock
  - m. 19.5mm Ladder Spacing

## Part III - Execution

### 3.01 Inspection

A. Window treatment subcontractor shall be responsible for inspection of site, field measurements, and approval of mounting surfaces and installation conditions.

B. Subcontractor shall verify that site is free of conditions that interfere with blind installation and operation, and shall begin installation only when any unsatisfactory conditions have been rectified.

### 3.02 Installation

A. Installation shall comply with Levolor specifications, standards, and procedures.

B. Provide support brackets as per Levolor's installation instructions.

C. See installation instructions packaged with blinds for more installation details.

D. Provide adequate clearance to permit unencumbered operation of blind and hardware.

E. Demonstrate blinds to be in uniform and smooth working order.

### 3.03 Cleaning

A. Clean soiled blinds with only a mild liquid detergent soap solution and water. Do not use abrasive cleansers.

B. Ensure proper drying following cleaning by providing adequate ventilation.

## LEVOLOR

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