

## Cordless Mark I® 1 Inch Blind Model #MARK1C

Top quality 1 inch horizontal aluminum window covering with cord-free lift (non-motorized).

### 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. Incorrect installation may void warranty.

#### 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 stacked horizontally 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: Cordless Mark I 1 Inch blind manufactured by Levolor (model # MARK1C).

**B.** Materials:

**1.** Headrail shall be of 0.25 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 metal headrail.

**2.** Guardian Tilter mechanism shall be of a .042 inch thick Tomized steel housing with a self-lubrication nylon automatically 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 round cross section of 5/16 inch diameter. The tilt wand mechanism shall exit the bottom of the headrail via a U-shaped black or bright metal-plated steel link. The tilt wand end contains a split eye machining detail that facilitates attachment and removal of the wand from the headrail.

**4.** Patented Spring Motor assembly provides counter balance with sufficient sensitivity to hold slats at desired height upon release of the bottomrail. Three sizes of Spring Motor assembly are available to cover the load requirements of different sized blinds. The Spring Motor assembly shall consist of a group of polymer gears and spools housed between a pair of steel plates, driven by a variable force coil spring counter balances the weight of the bottomrail and slats and drives the spools that store the lift cord as the blind is raised.

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

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

b. Cradles shall be of .042 inch thick Tomized Steel having two holes with rolled edges 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 inch length with an applied torque of one foot-pound. Tilt rod shall be solid D-shaped with an average cross 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. Installation brackets come in two types: a bracket designed for ceiling mount applications that is completely concealed within the headrail and a wall mount bracket.

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

9. Ladders (slat supports) shall be braided polyester yarn dyed to Levolor color standard. The two vertical components shall be .076 inch x .038 inch designed for maximum flexibility combined with minimum stretch and tensile strength of not less than 50 lbs. 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 inch. Distance between end ladder and end of slat shall not exceed 7 inch.

10. Slats shall be of 5000 series 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 a coating thickness of .8 mil to 1.5 mil. Unperforated slats shall perform to 500 hours of 100% relative humidity testing, 300 hours of 5% salt spray solution at 95° 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® is a permanent paint process that disrupts the natural static attraction of airborne dust particles.

Slats shall be (select one):

a. Unperforated.

b. SheerView (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%. Not available with LightMaster™.

11. Bottomrail shall be of 0.029 inch thick painted steel and shall be fully enclosed with color compatible flexible bottom bumper and polyethylene vinyl 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. Color of blind shall be selected from Cordless Mark I® 1 Inch Blind standard colors, including Tiltone colors, metallic finishes and specialty finishes.

13. Options shall include:

- a. Cutouts
- b. End Mount Adapter
- c. Extension Plates
- d. Multiple Blinds on One Headrail
- e. Multi-Colored Striping
- f. Telescopic or Non-Telescopic Tilter Pole
- g. Universal Ring Tilter
- h. LightMaster (MARK1CP)

14. Size Limitations:

- Min. Width = 17 inch
- Max. Width = 100 inch
- Min. Length = 6 inch
- Max Length = 73 inch

## 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.

### 3.02 Cleaning

A. Clean soiled blinds with a mild soap solution only. Do not use cleaning methods involving heat, bleach, abrasives, or solvents. Do not use window cleaner or cloths with paper content.

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

## LEVOLOR

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