Motorized FlexShade® 50 DC
Low-Voltage Motor with High Voltage Performance

Please check all appropriate selections and attach room schedule with verified dimensions.

Single Roller Motorized Shade Options

FABRIC SERIES: ____________________________________________________________
COLOR NAME / NUMBER: ___________________________________________________
OPENNESS FACTOR: _______________________________________________________
Please visit Draper Fabric Options for fabric colors and specifications.

Select Number of Shades per Unit

☐ Single Roller (Standard)
☐ Dual Roller (Supplemental Fabric & Hardware Sheet Required)

Please Note: If you are specifying a DUAL ROLLER FLEXSHADE, please complete the options BELOW and attach the Motorized Dual Roller Fabric and Hardware Planning Sheet.

Select Motor Location

As seen from INSIDE the room facing the window. Also indicate on room schedule.

☐ Right Side (standard)
☐ Left Side

Select 50 DC Motor

☐ 50 DC RTS Motor
☐ 50 DC 485 Motor

Coupled Shades

☐ Yes (How Many Fabric Panels?__________________). Also indicate on room schedule.
☐ No

Select Fabric Orientation

☐ Regular Roll (from back of roller)
☐ Reverse Roll (from front of roller)

Select Fabric Attachment

☐ Standard
☐ Optional Spline Attachment

Select Slat Style

☐ Closed Pocket - 1" (25mm) Elliptical (standard)
☐ Open Pocket - 1" (25mm) Elliptical
☐ Small Flat Exposed Hem Bar
☐ Large Flat Exposed Hem Bar
☐ Round Exposed Hem Bar
☐ 1 1/4" (32mm) Tube
☐ 5/8" (16mm) Tube
☐ None

Select Single Roller Hardware

☐ Brackets Only
☐ Wall
☐ Ceiling
☐ Endcaps Only
☐ Endcaps w/Fascia
☐ Surface Headbox (Fascia & Top/Back Cover)
☐ Headbox
☐ Pocket Style Headbox
☐ Type D Pocket w/Tile Lip (White; not available w/ 3" roller)
☐ Custom Headbox
☐ Wall Clip
☐ With Ceiling Tile Lip
☐ Without Ceiling Tile Lip
☐ Closure Panel for Wall Clip, Type D Pocket or Custom Headbox
☐ 1 1/2" (38mm)
☐ 3" (76mm)
☐ 4" (127mm) (For Wall Clip and Custom Headbox Only)
☐ Light Gap Reduction Hardware
☐ "L" Angle
☐ "U" Channel
☐ "H" Channel
☐ Channel Liners

Select Hardware Finish (does not apply to Type "D" Pocket)

☐ Clear Anodized (standard)
☐ Black
☐ White
☐ Ivory
☐ Bronze
☐ Custom (Contact Draper)

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☐ Small endcaps/brackets and 2" (51 mm) roller are recommended.
☐ Large endcaps/brackets and 3" (76mm) roller may be required.
Motorized FlexShade® 50 DC

Specifications

**EQUIPMENT**

SONSESS ULTRA 50 RS485 24V DC INTELLIGENT TECHNOLOGY ELECTRIC OPERATOR:

- Drive unit includes roller, motor, inverter, and controller.
- Right-hand motor location standard; left-hand available. Limit switches adjustable using Limit Setting Tool.

**ROLLERS**

Extruded aluminum or steel. Roller assembly easily removable.

**ENDCAPS**

Plastic covers snap onto endcaps. Available in silver, ivory, bronze, black, or white to match fascia. Fascia snaps onto endcaps. Pre-wooded brackets, black, white, grey, or bronze powder coat finish available. **CLOSED END CAP COVERS:**

Complete with adapter roller bracket. Installs to wall, ceiling, or jamb. Accepts fascia or headbox.

**HEADBOX INSTALLATION OPTIONS**

POCKET HEADBOX:

- Consists of fascia, L-shaped back/top cover. Endcaps slide into extrusion without exposed fasteners.

**POCKET HEADBOXES**

- Optional, for pocket installation, includes a U-shaped back/top cover with removable bottom closure panel.
- **LARGE SIZE:** 4 1/2" x 4 1/2" (119mm x 119mm), **SMALL SIZE:** 3 3/8" x 4 1/2" (86mm x 119mm). Some exposed fasteners required.

**TYPE D POCKET**

Type D Shade Pocket, to be fabricated of steel for perimeter installation.

- Accepts FlexShades installed with ceiling brackets. Finished in white paint. 3/8" x 1 1/8" x 120" (10mm x 28mm x 3050mm). with 3/8" (10mm) lip support & removable bottom closure.

**LIGHT GAP REDUCTION HARDWARE**

- Extruded Aluminum. Accepts edges of fabric, prevents light gaps, interior of channel provides for use of flat head screws.
- **D1, D2** SHROUD: 1 1/8" x 120" (28mm x 3050mm). SHROUD: 1 1/8" x 120" (28mm x 3050mm). SHROUD: 1 1/8" x 120" (28mm x 3050mm). SHROUD: 1 1/8" x 120" (28mm x 3050mm).

**COUPLER ASSEMBLY**

- Zinc plated steel Coupler Shafts shall be retractable into coupler assembly for ease of installation and to lock units in place. Zinc plated steel coupling brackets shall have optional OD bearings allowing for misalignment of the mounting brackets of up to 1/2 degree. One motor or crank operator to drive additional shade motors.

**DOWNLOADABLE 3-D PART SPECIFICATIONS**

Available at www.draperinc.com.

Please note: Dimensions of rollers, operators, and hardware at manufacturer's discretion.

**Hardware Selections**

Please note: Brackets and endcaps have the attachment points for mounting a Motorized FlexShade. Optional fascia and headbox have a thickness of 1/16 (1.6mm) to Overall Width of Small Hardware; 1/8 (3mm) to Overall Width of Large Hardware.

**Wall Mounting Bracket**

**Ceiling Mounting Bracket**

**Fascia with Ceiling/Wall Mounting Endcaps**

**Pocket Style Headbox**

- Consists of:
  - Extruded pocket
  - Bottom closure panel
  - Ceiling/ Wall Endcaps

**Closure & Wall Clip Options**

**Closure Options**

**Wall Clip Options**

With Tile Lip

Without Tile Lip

**Headbox Installation Options**

**Surface Headbox**

- Consists of:
  - Fascia
  - Back/Top Cover
  - Ceiling/Wall Endcaps

**Type D Pocket**

- Consists of:
  - Extruded aluminum pocket
  - A lip supports lay-in ceiling
  - Pre-welded corners and ends available
  - Ends with or without tile support lip

**Typical pre-welded corner section (not to scale)**

**Fascia Overall Width**

Includes plastic endcap covers. Pair adds 1/8 (3mm) to Overall Width of Small Hardware; 1/8 (3mm) to Overall Width of Large Hardware.

**Motorized FlexShade® 50 DC Dimensions**

**HEADBOX WITH ENDCAPS**

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**ENDCAPS WITH FASCIA**

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* For Fascia, Subtract 1/16 (1.6mm) from dimensions A and D
Motorized FlexShade® 50 DC

**FlexShade Components**

Motorized FlexShade® with DC50 24V DC Operator

- **DC50 Motor**
- **DC50 Motor Plate**
- **Fascia**
- **Endcap (L) for Fascia**
- **Endcap Cover (L)**
- **Endcap Cover (R)**
- **Brackets Only (L)**
- **Brackets Only (R)**
- **Retainer Clip**

**Wiring Diagrams**

**Controls & System Overview**
Sonesse 485 - 24V DC Motors

- **Multiple Motors**
  - 24V 10 Motor Power Panel
  - Bus Panel Supply
  - Data Bus 22/2 Twisted Pair
  - 14/2 Power 24V DC
  - 110V-120V Line
  - Bus Power Supply
  - Maximum Wiring Distance: 240 ft with 14/2 AWG, 150 ft with 16/2 AWG, 100 ft with 18/2 AWG

**Controls & System Overview**
Sonesse RTS 24V DC Motors

- **Single Motor**
  - Data Bus 22/2 Twisted Pair
  - 24V Transformer
  - 110-120V Line
  - Bus Power Supply
  - Maximum Wiring Distance: 240 ft with 14/2 AWG, 150 ft with 16/2 AWG, 100 ft with 18/2 AWG

- **Multiple Motors**
  - Data Bus 22/2 Twisted Pair
  - 24V Transformer
  - 110-120V Line
  - Bus Power Supply
  - Maximum Wiring Distance: 240 ft with 14/2 AWG, 150 ft with 16/2 AWG, 100 ft with 18/2 AWG

Dashed Wiring by Electrician