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

**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 3/16” (30mm) Tube
- 5/16” (16mm) Tube
- None

**Single Roller Motorized Shade Options**

- **Fabric Series:**
- **Color Name / Number:**
- **Openness Factor:**

**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)
  - 5” (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)

**Available Sizes:**

<table>
<thead>
<tr>
<th>WIDTH: 2’</th>
<th>3’</th>
<th>4’</th>
<th>5’</th>
<th>6’</th>
<th>7’</th>
<th>8’</th>
<th>9’</th>
<th>10’</th>
<th>11’</th>
<th>12’</th>
<th>13’</th>
<th>14’</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEIGHT</td>
<td>2’</td>
<td>3’</td>
<td>4’</td>
<td>5’</td>
<td>6’</td>
<td>7’</td>
<td>8’</td>
<td>9’</td>
<td>10’</td>
<td>11’</td>
<td>12’</td>
<td>13’</td>
</tr>
</tbody>
</table>

*Sizes requiring large endcaps/brackets will vary according to fabric.*

- Small endcaps/brackets and 2” (51mm) roller are recommended.
- Large endcaps/brackets and 3” (76mm) roller may be required.
**Specifications**

**EQUIPMENT**

**SONESSE ULTRA 50 RS485 24V DC INTELLIGENT TECHNOLOGY ELECTRIC OPERATOR:** Drive unit inside roller, instantly reversible, lifetime lubricated. Right hand motor location standard; left hand available. No limit switches required using Limit Setting Tool (C156.241) or direct control. Continuous power supply required. Sound level: ≤ 38 dBA. Draws 1.5 Amps.

**SONESSE ULTRA 50 RTS 24V DC RADIO TECHNOLOGY ELECTRIC OPERATOR:** Drive unit inside roller, instantly reversible, lifetime lubricated. Right hand motor location standard; left hand available. Built-in radio receiver. Limit switches adjustable using wall switch or remote control. Regulated power supply required. Sound level: ≤ 38 dBA. Draws 1.5 Amps.

**HARDWARE**

**ROLLERS:** Extruded aluminum or steel. Roller assembly easily removable.


**MOUNTING BRACKETS:** 1808 plated steel stamping. **2 SIZES:** 3 ¼” x 3 ½” (83x95mm) and 4½” x 4½” (114x114mm). Styles for mounting to wall, ceiling, or jamb. Brackets do not require additional adapters.

**ROLLER IDLER ASSEMBLY:** Type 304 stainless steel. Coupler Shafts incorporate spherical OD bearings allowing for misalignment of the mounting brackets of up to 1.25-degrees. One motor or crank operator to drive additional shade rollers. Patent pending. 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 coupler brackets shall have spherical OD bearings allowing for misalignment of the mounting brackets of up to 1.25-degrees. One motor or crank operator to drive additional shade rollers. Patent pending.

**FASCIA:** “L” cover of extruded aluminum, .060 (1.5mm) wall. Fascia snaps onto endcaps. Clear Anodized (standard), black, white, ivory, or bronze powder coat finish available. Continuous fascia available with coupled units.

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

**POCKET HEADBOX:** Optional, for pocket installation, includes a U-shaped back/top/front cover with removable bottom closure panel. **SMALL SIZE:** 3 ¼” x 3 ½” (98x100mm). **LARGE SIZE:** 4 ¼” x 4½” (119x119mm). 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. 5” x 5 3/8” x .125” (127x137x3mm) with 3/16” (22mm) tile support lip & 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.

**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 coupler brackets shall have spherical OD bearings allowing for misalignment of the mounting brackets of up to 1.25-degrees. One motor or crank operator to drive additional shade rollers. Patent pending.

**PATENT INFORMATION:** available at www.draperinc.com/legal/patents

**DOWNLOADABLE 3-PART SPECIFICATIONS:** available at www.draperinc.com

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

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**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” (1.5mm).*

**Wall Mounting Bracket**

**Ceiling Mounting Bracket**

**Fascia with Ceiling / Wall Mounting Endcaps**

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**Headbox Installation Options**

**Surface Headbox**

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

**Type D Pocket**

Consists of:
- Fabricated steel 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)**

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**Pocket Style Headbox**

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

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**Closure & Wall Clip Options**

**Closure Options**

**Wall Clip Options**

*With Tile Lip* 

*Without Tile Lip*
**Motorized FlexShade Dimensions**

Fascia Overall Width includes plastic endcap covers. Pair adds $\frac{1}{8}$" (3mm) to Overall Width of Small Hardware; $\frac{3}{16}$" (5mm) to Overall Width of Large Hardware.

\[ \text{Cloth width} = \text{Overall width} - 1\frac{5}{8}" (41mm) \]

<table>
<thead>
<tr>
<th>SURFACE HEADBOX WITH ENDCAPS*</th>
<th>ENDCAPS WITH FASCIA</th>
<th>BRACKETS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SMALL</strong></td>
<td><strong>LARGE</strong></td>
<td><strong>SMALL</strong></td>
</tr>
<tr>
<td>A(^1)</td>
<td>3 $\frac{15}{16}$&quot;</td>
<td>100mm</td>
</tr>
<tr>
<td>B(^1)</td>
<td>3 $\frac{7}{8}$&quot;</td>
<td>87mm</td>
</tr>
<tr>
<td>C(^1)</td>
<td>1 $\frac{1}{2}$&quot;</td>
<td>38mm</td>
</tr>
<tr>
<td>D(^1)</td>
<td>5$\frac{7}{8}$&quot;</td>
<td>16mm</td>
</tr>
<tr>
<td>E(^1)</td>
<td>1$\frac{1}{16}$&quot;</td>
<td>1.6mm</td>
</tr>
</tbody>
</table>

| **SMALL**                    | **LARGE**           | **SMALL** | **LARGE** | **SMALL** | **LARGE** |
| A\(^1\)                       | 3 $\frac{7}{8}$"   | 98mm      | 4 $\frac{5}{8}$"  | 117mm     |
| B\(^1\)                       | 3 $\frac{3}{8}$"   | 86mm      | 4 $\frac{5}{8}$"  | 117mm     |
| C\(^1\)                       | 1 $\frac{1}{2}$"   | 38mm      | 1 $\frac{5}{8}$"  | 41mm      |
| D\(^1\)                       | 5$\frac{5}{8}$"    | 16mm      | 5$\frac{5}{8}$"   | 16mm      |
| E\(^1\)                       | 1$\frac{1}{16}$"   | 1.6mm     | $\frac{3}{16}$"   | 2.4mm     |

| **SMALL**                    | **LARGE**           | **SMALL** | **LARGE** | **SMALL** | **LARGE** |
| A                            | 2$\frac{1}{2}$"    | 64mm      | 3 $\frac{1}{4}$" | 83mm      |
| B\(^2\)                       | 2"                 | 51mm      | 2 $\frac{5}{8}$" | 67mm      |
| C\(^2\)                       | 1$\frac{5}{8}$"    | 41mm      | 2 $\frac{1}{4}$" | 57mm      |
| D\(^2\)                       | 2"                 | 51mm      | 2$\frac{5}{8}$"  | 67mm      |
| E\(^2\)                       | 3$\frac{1}{4}$"    | 20mm      | $\frac{3}{4}$"   | 20mm      |

* For Fascia, Subtract $\frac{1}{8}$" (1.6mm) from dimensions A and D
### Controls & System Overview

**Sonesse RTS 24V DC Motors**

- **Single RTS Motor**
  - 24V MOTOR
  - 24V Transformer
  - 110-120V Line
  - 22/2 Twisted Pair
  - 14/2 Twisted Pair

- **Multiple RTS Motors**
  - 24V MOTOR
  - 24V MOTOR
  - 24V MOTOR
  - 24V Power Panel: 5, 10, 15, 20
  - Dashed Wiring by Electrician
  - Wiring Distance to Motor:
    - 240 ft with 14AWG
    - 150 ft with 16AWG
    - 100 ft with 18AWG

**Dashed Wiring by Electrician**

**Sonesse 485 - 24V DC Motors**

- **Multiple 485 Motors**
  - 24V MOTOR
  - 24V MOTOR
  - 24V MOTOR
  - 24V Power Panel: 5, 10, 15, 20
  - 24V Motor Plate
  - Bus Power Supply
  - Wall Switch (Make 8 Motors per switch)
  - Dashed Wiring by Electrician
  - Wiring Distance to Motor:
    - 240 ft with 14AWG
    - 150 ft with 16AWG
    - 100 ft with 18AWG

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**Wiring Diagrams**

- **Motorized FlexShade®**
  - with DC50 24V DC Operator
  - Endcap (L) for Fascia
  - Endcap Cover (L)
  - DC50 Motor Plate
  - Retainer Clip
  - Brackets Only (R)
  - Fascia

- **Fascia**

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**Motorized FlexShade®**

- **with DC50 24V DC Operator**

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**FlexShade Components**