FlexShade® ST30 DC
24 volt motor with a small installation footprint

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 24V Motor
- ST30 24V RTS Motor
- ST30 24V Dry Contact Motor
- ST30 24V RS485 Motor

Select Transformers
- 1 Motor Plug-In Wall Type
- 5 Motor Power Panel
- 10 Motor Power Panel
- SDN 10 Motor Power Panel
- 15 Motor Power Panel
- 20 Motor Power Panel

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 3/8” (30mm) Tube
- 5/16” (16mm) Tube
- None

Single Roller Motorized Shade Options

Fabric Series: ____________________________

Color Name / Number: ______________________

Openness Factor: __________________________

Select Fabric Series: __________________________

Select Color Name: __________________________

Select 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
- Bronze
- Custom (Contact Draper)

Select Hardware Finish: __________________________

Available Sizes:

24V DC Motor available on shades through 8’ x 8’.

PROJECT: __________________________

ARCHITECT: __________________________

CONTRACTOR: __________________________

SUPPLIER: __________________________

DATE: __________________________ REVISED: __________________________

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EQUIPMENT
SONESSE 30 RTS 24V DC (C047.165): 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 ≤ 44 dBA.
SONESSE 30 DRY CONTACT 24V DC (C047.182): Drive unit inside roller, instantly reversible, lifetime lubricated. Right hand motor location standard; left hand available. Limit switches adjustable using Limit Setting Tool (C202.025) or dry contact closure. Regulated power supply required. Sound level ≤ 44 dBA.
SONESSE 30 R5485 24V DC (C047.183): Drive unit inside roller, instantly reversible, lifetime lubricated. Right hand motor location standard; left hand available. Limit switches adjustable using Limit Setting Tool (C202.025) or dry contact closure. Regulated power supply required. Sound level ≤ 44 dBA.

HARDWARE
ROLLERS: 1½" (38mm) extruded aluminum or steel. Roller assembly easily removable.
MOUNTING BRACKETS: 1018 plated steel stamping. 2 SIZES: 1 5/8" (41mm) and 2 ¼" (57mm). Styles for mounting to wall, ceiling, or jamb. Brackets do not require additional adapters.
ROLLE COMPANY ASSEMBLY: Type ⅜" injected molded nylon and a zinc-plated cold rolled steel.
HEM BAR: Powder coated in black, bronze, ivory, white or clear anodized. Closed Pocket Elliptical Slit: 1" (25mm) aluminum elliptical slit inside of a ⅜" (30mm) heat sealed pocket. Open Pocket Elliptical Slit: 1" (25mm) aluminum elliptical slit with plastic ends inside of a ⅜" (30mm) heat sealed pocket. Flat Exposed HEM Bar: Small: ⅜" x ⅛" (22x8mm) Large: 1½" x ⅛" (38x8mm) aluminum rectangular with plastic end caps. Round Exposed Hem Bar: Small: ⅜" (16mm) Large: 1½" (30mm) aluminum with plastic end caps.

ENDCAPS: 1018 steel stamping. 2 sizes: 3 ½" x 3 ½" (89x89mm) and 4 ½" x 4 ½" (114x114mm). Complete with adapter roller bracket. Installs to face, ceiling, or jamb. Accepts box covers and fabric guide.
ENDCAP COVER: Plastic covers snap onto endcaps. Available in silver, ivory, bronze, black or white to match fascia.
FASCIA: "L" cover of extruded aluminum, ⅜" (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 ¾" x 3 ¾" (100x100mm). LARGE SIZE: 4 ½" x 4 ½" (119x119mm). Some exposed fasteners required.
TYPE "D" POCKET: Type "D" Shade Pocket, to be extruded aluminum for perimeter installation. Accepts FlexShades installed with ceiling brackets. Finished in white paint. 5" x 5 ½" x 125" (127x136x3mm) with ⅛" (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. "L" cover of extruded aluminum, ⅜" (1.5mm) wall. 5" x 5 ½" x 125" (127x136x3mm) with ⅛" (22mm) tile support lip & removable bottom closure.

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

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Hardware Selections
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-wall Mounting Bracket

Ceiling Mounting Bracket

Fascia with Ceiling or Wall Mounting Endcaps

Please Note: Brackets and endcaps have the attachment points for mounting a Motorized FlexShade. Optional fascia and headbox have a thickness of ⅛" (1.5mm).
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Headbox Installation Options
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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)
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Pocket Style Headbox
Consists of:
• Extruded pocket
• Bottom closure panel
• Ceiling/Wall Endcaps

SMALL: 3 ⅛" x 3 ⅛" (100x100mm)
LARGE: 4 ⅝" x 4 ⅝" (119x119mm)
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Closure & Wall Clip Options
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With 3" (127mm) Closure 5" (127mm) Closure
1 ¾" 3" (44, 76mm) 7/8" (22mm)
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With 1½" (38mm) Closure
3 ¼" (83mm) 1⅛" (28mm)
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Wall Clip Options
With Tile Lip
Without Tile Lip
1 ⅛" (30mm) 3 ⅛" (84mm) 5" (127mm)
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24V Motorized FlexShade Dimensions
Fascia Overall Width includes plastic endcap covers. Pair adds 3/32" (3mm) to Overall Width of Small Hardware; 5/32" (5mm) to Overall Width of Large Hardware.

<table>
<thead>
<tr>
<th>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></td>
</tr>
<tr>
<td>A&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3 15/32&quot; 100mm</td>
<td>A&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>B&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3 7/32&quot; 87mm</td>
<td>B&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>C&lt;sup&gt;1&lt;/sup&gt;</td>
<td>5/8&quot; 16mm</td>
<td>C&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>D&lt;sup&gt;1&lt;/sup&gt;</td>
<td>2&quot; 51mm</td>
<td>D&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>E&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1/16&quot; 1.6mm</td>
<td>E&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>F&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1 3/16&quot; 30mm</td>
<td></td>
</tr>
</tbody>
</table>

| **SMALL**             | **LARGE**           |          |
| A<sup>1</sup>         | 3 7/8" 98mm        | A<sup>2</sup> | 2 3/8" 56mm |
| B<sup>1</sup>         | 3 3/8" 86mm       | B<sup>2</sup> | 3" 76mm     |
| C<sup>1</sup>         | 5/8" 16mm         | C<sup>2</sup> | 1 11/16" 17mm|
| D<sup>1</sup>         | 2" 51mm            | D<sup>2</sup> | 2 1/4" 57mm |
| E<sup>1</sup>         | 1/16" 1.6mm        | E<sup>2</sup> | 1 3/4" 44mm |
| F<sup>1</sup>         | 1 3/16" 30mm       |          |          |

Cloth width with brackets = Overall width - 1 1/8" (35mm)
Cloth width with endcaps = Overall width - 1 3/8" (41mm)

Above dimensions based upon 1 1/2" (38mm) diameter roller.
Motorized FlexShade® with ST30 24V DC Operator

Wiring Diagrams

Controls & System Overview
Sonesse RTS 24V DC Motors

- Single RTS Motor
- Multiple RTS Motors

Sonesse 485 - 24V DC Motors

- Multiple 485 Motors

Sonesse 24V DC Motors

- Single Dry Contact Motor
- Multiple Dry Contact Motors

Wiring Distance to Motor
- 240 ft with 14AWG
- 150 ft with 16AWG
- 100 ft with 18AWG

Dashed Wiring by Electrician