

FlexShade® ST30 DC

24 volt motor with a small installation footprint

SUBMITTAL

TECHNICAL INFO

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

Single Roller Motorized Shade Options

Fabric Series: _____

Color Name / Number: _____

Openness Factor: _____

Please see Draper's [Shade Fabric Reference Guide](#) for fabric colors and specifications.

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)
- ☐ White
- ☐ Bronze
- ☐ Black
- ☐ Ivory
- ☐ Custom (Contact Draper)

Available Sizes:

	WIDTH						
	2'	3'	4'	5'	6'	7'	8'
HEIGHT	2'						
	3'						
	4'						
	5'						
	6'						
	7'						
	8'						

☐ 24V DC Motor available on shades through 8' x 8'.



Draper, Inc. | 411 S. Pearl St. Spiceland, IN 47385
draperinc.com | 765.987.7999 | 800.238.7999

© 2019 All Rights Reserved | FORM: FS_MO_ST30_24V_Sub19

PROJECT: _____

ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ REVISED: _____

Specifications

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 RS485 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.

OPTIONAL FABRIC ATTACHMENT: Fabric attached to roller tube with spline fabric attachment method. Allows for removal of fabric panel without removal of roller assembly.

MOUNTING BRACKETS: 1018 plated steel stamping. **2 SIZES:** 1 5/8" (41mm) and 2 1/4" (57mm). Styles for mounting to wall, ceiling, or jamb. Brackets do not require additional adapters.

ROLLER IDLER ASSEMBLY: Type 9/16" injected molded nylon and a zinc-plated cold rolled steel pin. Sliding pin for easy installation and removal of the roller.

HEM BAR: Powder coated in black, bronze, ivory, white or clear anodized. **Closed Pocket Elliptical Slat:** 1" (25mm) aluminum elliptical slat inside of a 1 5/8" (30mm) heat sealed pocket. **Open Pocket Elliptical Slat:** 1" (25mm) aluminum elliptical slat with plastic ends inside of a 1 5/8" (30mm) heat sealed pocket. **Flat Exposed Hem Bar:** Small: 7/8" x 5/16" (22x8mm) Large: 1 1/2" x 5/16" (38x8mm) aluminum rectangular with plastic end caps. **Round Exposed Hem Bar:** Small: 5/8" (16mm) Large: 1 3/16" (30mm) aluminum with plastic end caps.

ENDCAPS: 1018 steel stamping. **2 sizes:** 3 1/2" x 3 3/4" (89x95mm) and 4 1/2" x 4 1/2" (114x114mm). Complete with adapter roller bracket. Installs to face, ceiling, or jamb. Accepts box covers and fabric guide.

ENDCAP COVERS: Plastic covers snap onto endcaps. Available in silver, ivory, bronze, black or white to match fascia.

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 15/16" x 3 7/16" (100x87mm). **LARGE SIZE:** 4 11/16" x 4 11/16" (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 9/16" x .125" (127x136x3mm) with 7/8" (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" ANGLE: 3/4" x 1" x 12'3" (1.9x2.5x373cm); 1" x 2 3/4" x 16' (2.5x7x488cm) or cut to length.

"U" CHANNEL: 1" x 2 1/2" x 16' (2.5x76x488cm) or cut to length.

"H" CHANNEL: 1" x 5" x 16' (2.5x12.7x488cm) or cut to length.

PATENT INFORMATION: available at <http://www.draperinc.com/legal/patents/>

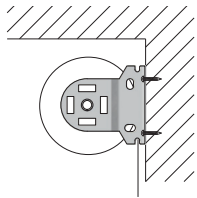
DOWNLOADABLE 3-PART SPECIFICATIONS: available at www.draperinc.com.

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

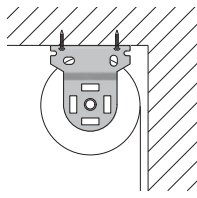
Hardware Selections

Please Note: Brackets and endcaps have the attachment points for mounting a Motorized FlexShade. Optional fascia and headbox have a thickness of 1/8" (1.5mm).

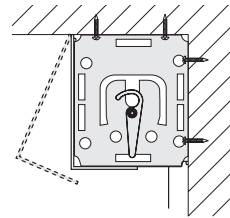
Wall Mounting Bracket



Ceiling Mounting Bracket



Fascia with Ceiling or Wall Mounting Endcaps

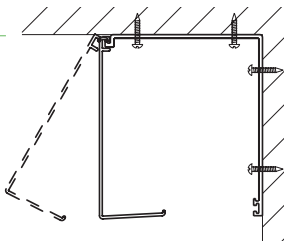


Headbox Installation Options

Surface Headbox

Consists of:

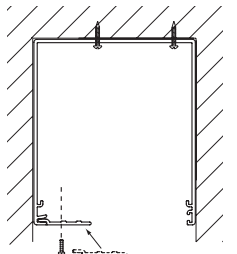
- Fascia
- Back/Top Cover
- Ceiling/Wall Endcaps



Pocket Style Headbox

Consists of:

- Extruded pocket
- Bottom closure panel
- Ceiling/Wall Endcaps



SMALL: 3 15/16" x 3 7/16" (100x87mm)

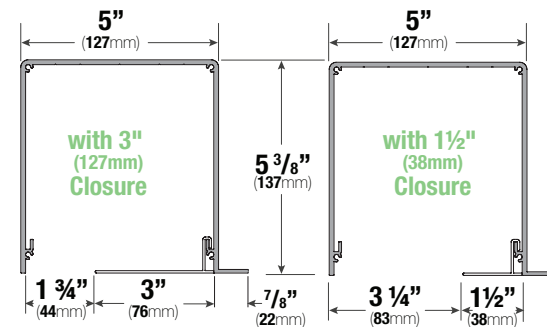
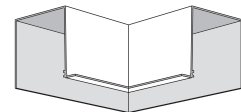
LARGE: 4 11/16" x 4 11/16" (119x119mm)

Type D Pocket

Consists of:

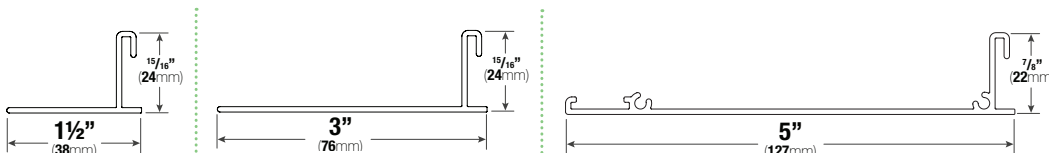
- Extruded aluminum pocket.
- A lip supports lay-in ceiling
- Pre-welded corners and ends available.
- Ends with or without tile support lip.

Typical pre-welded corner section (not to scale)

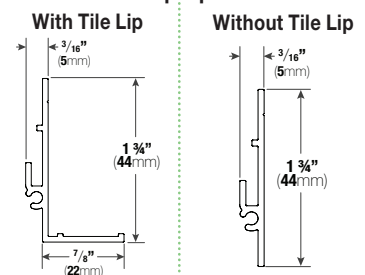


Closure & Wall Clip Options

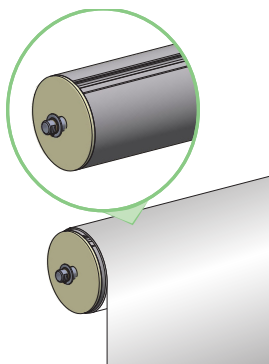
Closure Options



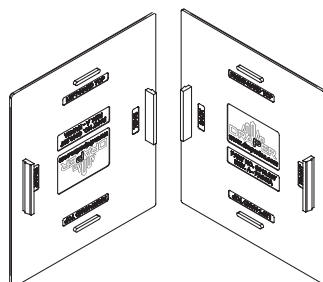
Wall Clip Options



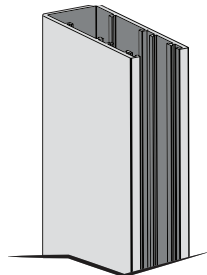
Spline Fabric Attachment



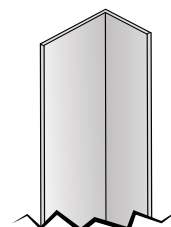
Endcap Covers



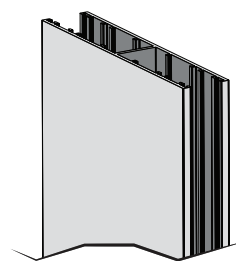
"U" Channel



"L" Angle

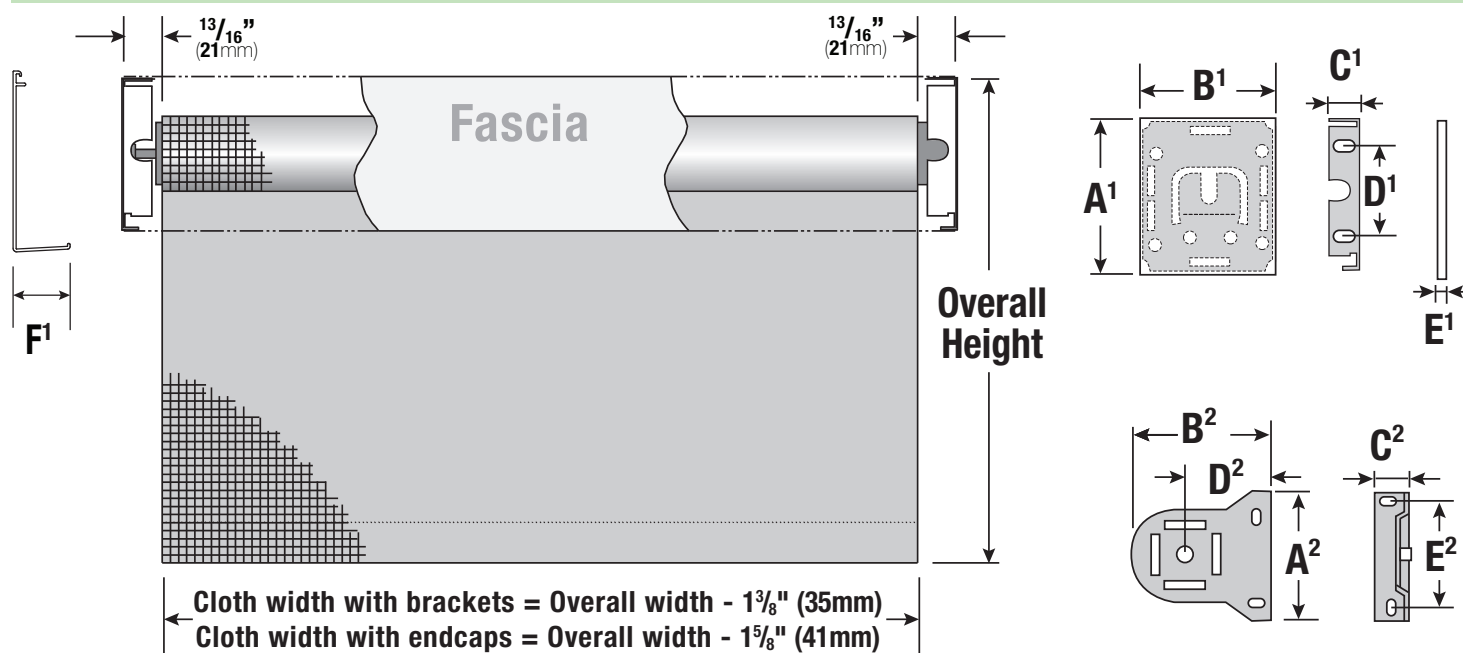


"H" Channel



24V 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.



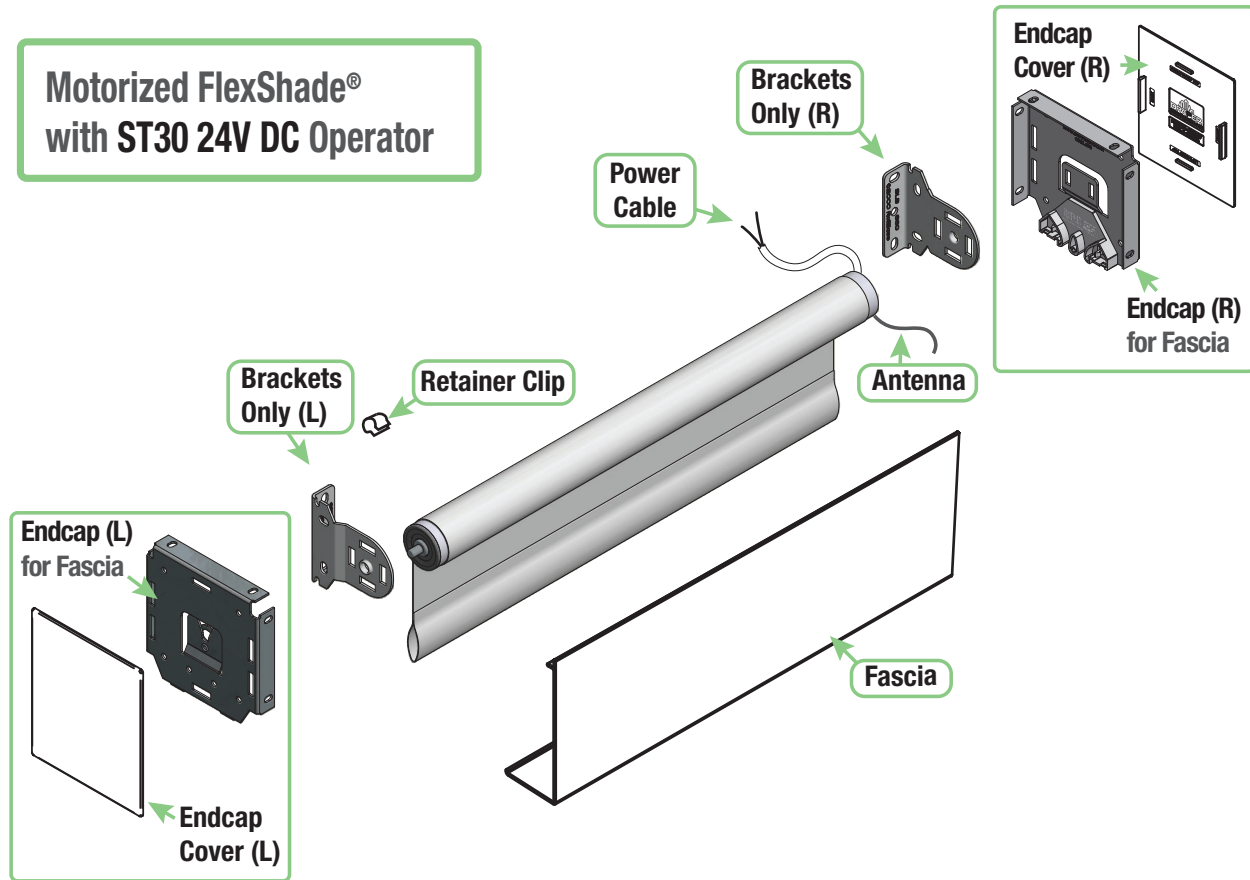
HEADBOX WITH ENDCAPS*				
	SMALL		LARGE	
A ¹	3 $\frac{15}{16}$ "	100mm	4 $\frac{11}{16}$ "	119mm
B ¹	3 $\frac{7}{16}$ "	87mm	4 $\frac{11}{16}$ "	119mm
C ¹	$\frac{5}{8}$ "	16mm	$\frac{5}{8}$ "	16mm
D ¹	2"	51mm	3 $\frac{1}{4}$ "	83mm
E ¹	$\frac{1}{16}$ "	1.6mm	$\frac{3}{32}$ "	2.4mm
F ¹	1 $\frac{3}{16}$ "	30mm	1 $\frac{9}{16}$ "	40mm

ENDCAPS WITH FASCIA				
	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	$\frac{5}{8}$ "	16mm	$\frac{5}{8}$ "	16mm
D ¹	2"	51mm	3 $\frac{1}{4}$ "	83mm
E ¹	$\frac{1}{16}$ "	1.6mm	$\frac{3}{32}$ "	2.4mm
F ¹	1 $\frac{3}{16}$ "	30mm	1 $\frac{9}{16}$ "	40mm

BRACKETS				
	SMALL		LARGE	
A ²	2 $\frac{3}{16}$ "	56mm	2 $\frac{3}{16}$ "	56mm
B ²	2 $\frac{3}{8}$ "	60mm	3"	76mm
C ²	$\frac{11}{16}$ "	17mm	$\frac{11}{16}$ "	17mm
D ²	1 $\frac{5}{8}$ "	41mm	2 $\frac{1}{4}$ "	57mm
E ²	1 $\frac{3}{4}$ "	44mm	1 $\frac{3}{4}$ "	44mm

Above dimensions based upon $1\frac{1}{2}$ " (38mm) diameter roller.

24V FlexShade Components



Wiring Diagrams

