120V AC 485 Motorized FlexShade®

Intelligent Technology 3-Wire Motors have a built-in encoder and controller. 110-120V with a Data Cable.

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 120V AC Intelligent Technology Motor (ILT)
- ☐ 120V RS485 Quiet Sonesse Motor *(standard)*
- ☐ 120V RS485 ULTRA Quiet Sonesse Motor

Select Control Options
- ☐ 6 Button Digital Keypad
- ☐ 8 Button Digital Keypad
- ☐ Data Hub

Coupled Shades
- ☐ Yes *(How Many?_____)*
- ☐ No
- ☐ Indicated on attached Dual Roller Sheet

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" Elliptical *(standard)*
- ☐ Open Pocket - 1" Elliptical
- ☐ Small Flat Exposed Hem Bar
- ☐ Large Flat Exposed Hem Bar
- ☐ Round Exposed Hem Bar
- ☐ 1 ³/₁₆" Tube
- ☐ ⅝" 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
  - ☐ Wall
  - ☐ Ceiling
- ☐ Fascia
  - ☐ Headbox
  - ☐ Ceiling / Wall *(Surface Headbox)*
  - ☐ Pocket Style
  - ☐ Type "D" Pocket with Tile Lip *(White—not available with 3" roller)*
  - ☐ Custom Headbox
- ☐ Wall Clip
  - ☐ With Ceiling Tile Lip
  - ☐ Without Ceiling Tile Lip
- ☐ Closure Panel for Type "D" Pocket or Wall Clip
  - ☐ 1 ½"
  - ☐ 3"
  - ☐ 5" *(For Wall Clip and Custom Headbox Only)*
- ☐ " L" , "U" or "H" Channels for Light Gap Reduction
  - ☐ 'L' Channel
  - ☐ 'U' Channel
  - ☐ 'H' Channel
  - ☐ Channel Liners

Select Hardware Finish *(does not apply to Type "D" or Pocket Headbox)*
- ☐ Clear Anodized *(standard)*
- ☐ White
- ☐ Bronze
- ☐ Black
- ☐ Ivory
- ☐ Custom *(Contact Draper)*

Available Sizes:

WIDTH:	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'
2'													
3'													▓
4'													▓
5'												▓	▓
6'												▓	▓
7'											▓	▓	▓
8'											▓	▓	▓
9'											▓	▓	▓
10'										▓	▓	▓	▓
11'	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓
12'	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓
13'	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓
14'	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓	▓

HEIGHT

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

☐ Small endcaps/brackets and 2" roller are recommended.

▓ Large endcaps/brackets and 3" roller may be required.

PROJECT:_____

_____

ARCHITECT:_____

CONTRACTOR:_____

SUPPLIER:_____

DATE: _____ **REVISED:** _____

DRAPER®

Specifications

EQUIPMENT

485 SONESSE 120V INTELLIGENT TECHNOLOGY ELECTRIC OPERATOR: Drive unit inside roller, 3-wire, instantly reversible, lifetime lubricated. Right hand motor location standard. Left hand available. Built-in encoder and low voltage controller with data cable. Limit switches adjustable using wall switch or remote control. Thermal overload protector and electric brake. Operates on 110-120V AC 1 PH 60 HZ current. Draws 1.1 Amps.

HARDWARE

ROLLERS: 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" and 2 1/4". Styles for mounting to wall, ceiling, or jamb. Brackets do not require additional adapters.

ROLLER IDLER ASSEMBLY: Type 6/6 injected molded nylon and a zinc-plated cold rolled steel pin. Sliding pin for easy installation and removal of the roller.

SLAT: Aluminum, min. 1/8" x 1", encased in heat seamed hem.

ENDCAPS: 1028 steel stamping. **2 SIZES:** 3 1/4" x 3 3/4" and 4 1/2" x 4 1/2". Complete with adapter roller bracket. Installs to wall, ceiling, or jamb. Accepts fascia or headbox.

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

FASCIA: "L" or radius cover of extruded aluminum, .060 wall. Assembly snaps onto endcaps without exposed fasteners. Clear Anodized (standard), black, white, ivory, or bronze powder coat finish available. Continuous fascia available with coupled units.

HEADBOX: Standard consists of fascia, L-shaped back/top cover. Assembly snaps onto endcaps. Optional, for pocket installation, includes a U-shaped back/top/front cover with removable bottom closure panel. **SMALL SIZE:** 3 7/8" x 3 15/16". **LARGE SIZE:** 4 11/16" x 4 11/16". 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" with 7/8" tile support lip & removable bottom closure.

"L" ANGLE (3/4" X 1" X 12'3", 1" X 2 3/4" X 16' OR CUT TO LENGTH) "U" CHANNEL (1" X 2 1/2" X 16' OR CUT TO LENGTH) AND "H" CHANNEL (1" X 5" X 16' OR CUT TO LENGTH): Accepts side 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 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.
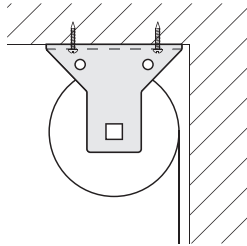
Hardware Selections

Please Note: Brackets and endcaps have the only attachment points for mounting a motorized FlexShade. Optional fascia and headbox have a thickness of 1/16".
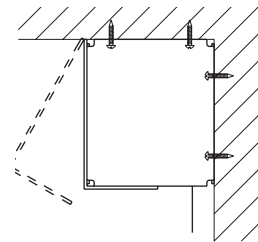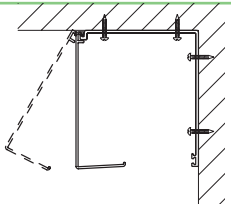
Wall Mounting Bracket
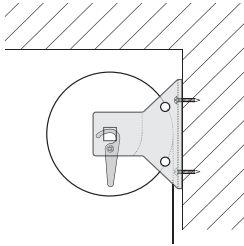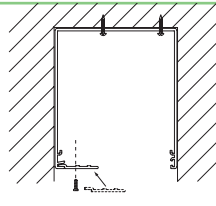

Ceiling Mounting Bracket

Fascia Only with Ceiling or Wall Mounting Endcaps

Headbox Installation Options

Ceiling / Wall headbox consists of fascia, back/top cover and Ceiling / Wall mounting endcaps
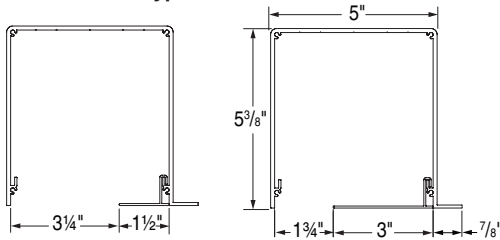

Optional pocket style headbox consists of Draper's extruded pocket with bottom closure panel and ceiling / wall mounting endcaps.
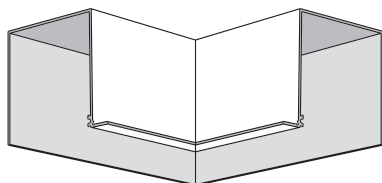
Pocket, Closure & Wall Clip Options

Type D pocket, white in color, features a 5" x 5 3/8" cross-section. A lip along lower edge supports lay-in ceiling. Pre-welded corners and pocket ends are available. Ends come with or without tile support lip (shown).
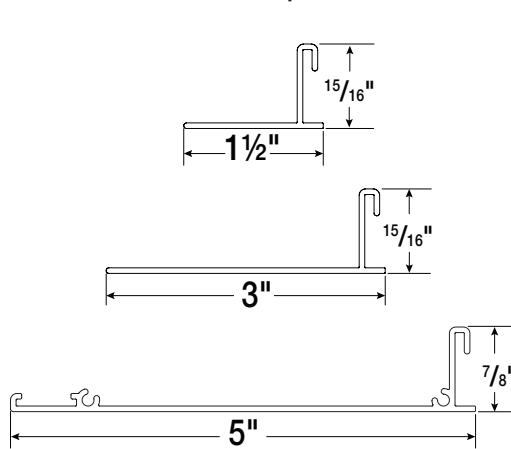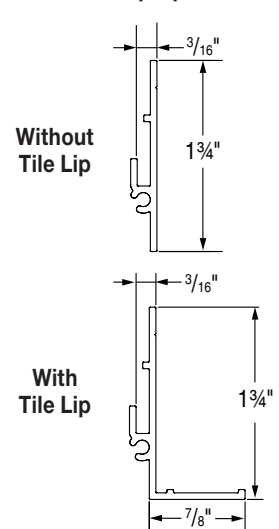
Type D Pocket

5"
5 3/8"
3 1/4"   1 1/2"
1 3/4"   3"   7/8"

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

Closure Options

15/16"
1 1/2"

15/16"
3"

7/8"
5"

Wall Clip Options

Without Tile Lip

3/16"
1 3/4"

With Tile Lip

3/16"
1 3/4"
7/8"
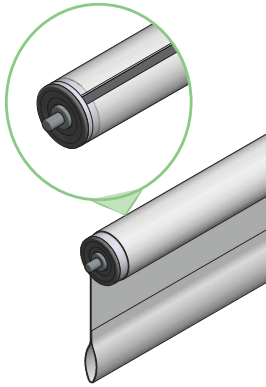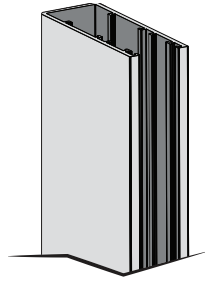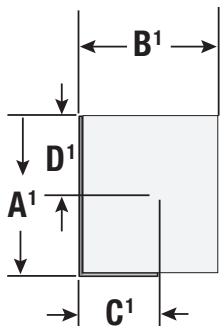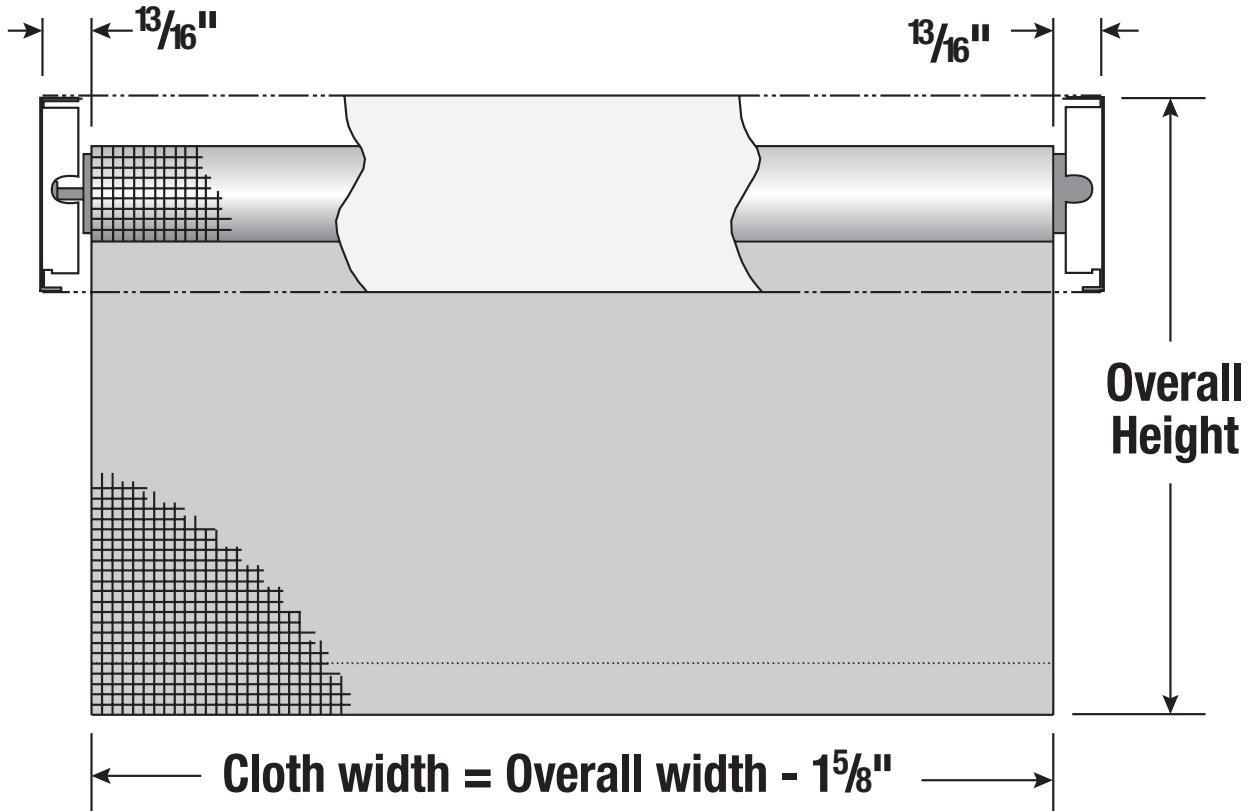
Spline Fabric Attachment	Endcap Covers	"U" Channel	"L" Angle	"H" Angle
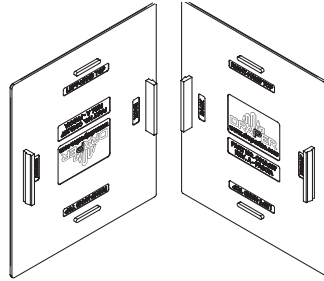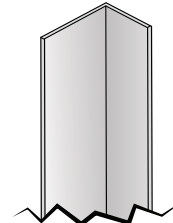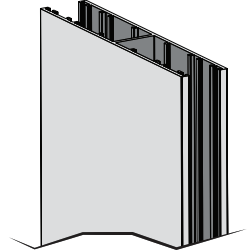
Motorized FlexShade Dimensions

(Fascia Overall Width includes plastic endcap covers) (Pair adds $^1/_8$" to Overall Width)

$13/16$" $13/16$"

Overall Height

Cloth width = Overall width - 1$^5/_8$"

Headbox*

	Small	Large
A^1	3 $^{15}/_{16}$"	4 $^{11}/_{16}$"
B^1	1 $^7/_8$"	2 $^1/_4$"
C^1	$^5/_8$"	1 $^9/_{16}$"
D^1	3 $^7/_{16}$"	4 $^{11}/_{16}$"

* For Fascia, Subtract 1 $^1/_{16}$" from dimensions A and D

$^5/_8$"
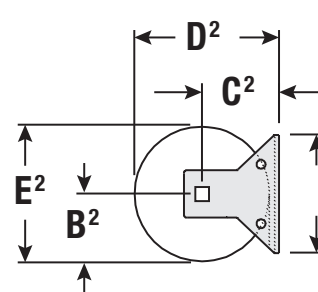
Brackets

	Small	Large
A^2	2 $^1/_2$"	3 $^1/_4$"
B^2	1 $^3/_8$"	2"
C^2	1 $^5/_8$"	2 $^1/_4$"
D^2	3"	4 $^1/_4$"

FlexShade Components

Wiring Diagrams

Controls & System Overview
Sonesse® 485 120VAC Motors

Bus Power Supply

somfy

110V Outlet

LAN

somfy **Data Hub**

BUS IN

BUS OUT
to next DATA HUB

RS485 110VAC Motor

RS485 110VAC Motor

M12 Connectors

110-120V Line

110-120V Line

Wall Switch

Data Cable with RJ45 Connector

Dashed Wiring by Electrician

M12 Connector for 3-Wire Motors

To Motor

12" 30.5 cm *Standard*

1 - BLACK   2 - WHITE
4 - GREEN   3 - NOT USED

Ø 0.61" 15.5 mm

4 - GREEN   3 - NOT USED
1 - BLACK   2 - WHITE

60" 1.5 m *Standard*

To Switch & 120VAC

W B G

DRAPER®