Zen™ Shades

Outdoor motorized and manual shading systems.

SI

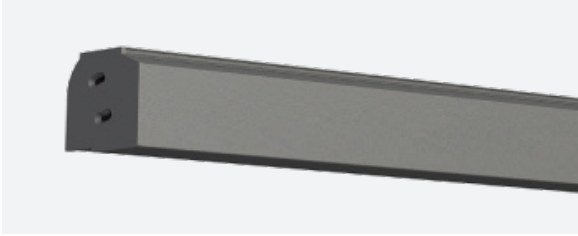# TABLE OF CONTENTS

ZEN SHADES

Outdoor motorized and manual shading systems

ZEN SHADES

Zen Box

2 Different Cassette Sizes – Standard and XL
Available in standard cassette sizes up to 18' and XL
up to 23' wide

Zen Roll

Available in open roll, with sizes up to 23' wide

Features and Benefits

- Zen Shades transform your outdoor space, extending your "indoor" seating through a sealed enclosure system that keeps bugs away and allows for additional temperature controlled space.

- Built in obstruction detection stops and reverses your Zen shade preventing damage or injury.

- Motorized and manual options.

- Quiet, durable operation using outdoor rated motors and components.

- Programmable limits. Fine tunable using a remote, or through your control system, depending on configuration.
  .
- Shy-Zip™ side channels and zipper system is a fabric retention system - when bug and pest control is a primary goal.

- Cable guide system - where sun control and/or privacy are the primary goals. Also a great option when zipper track can't be installed due to uneven substrate.

- Suitable for some light wind control. Available anemometer accessory to automatically raises motorized shades in higher winds.

- Available in the most popular fabric options on the market, including an expansive list of textile / fabric options featuring UV blocking and resistance technologies for durable, long-lasting outdoor use and insect mesh for bug control.

Power and Control

- **110v line-voltage** available in wired control through contact closure, 485, or wire-free control using RTS.

- Manual operation available using the crank.

Shy-Zip™ Side Channels
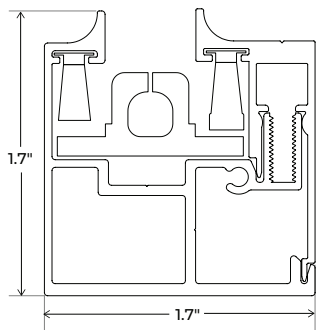
Spring Track
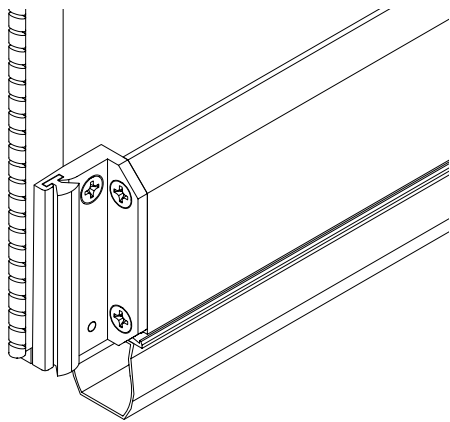
Hembar

Some additional features

Temperature control

Obstruction detection

Prevents insects

Cable Guides

0.5"

1.9"

3.2"

Tensionser /
Terminal Clamp

1.6"

0.6"

0.5"

1.5"

Floor Mount Bracket

2.2"

2.2"

1.7"

0.7"

1.0"

0.7"

1.6"

2.0"

Wall Mount Bracket

Hem Bar
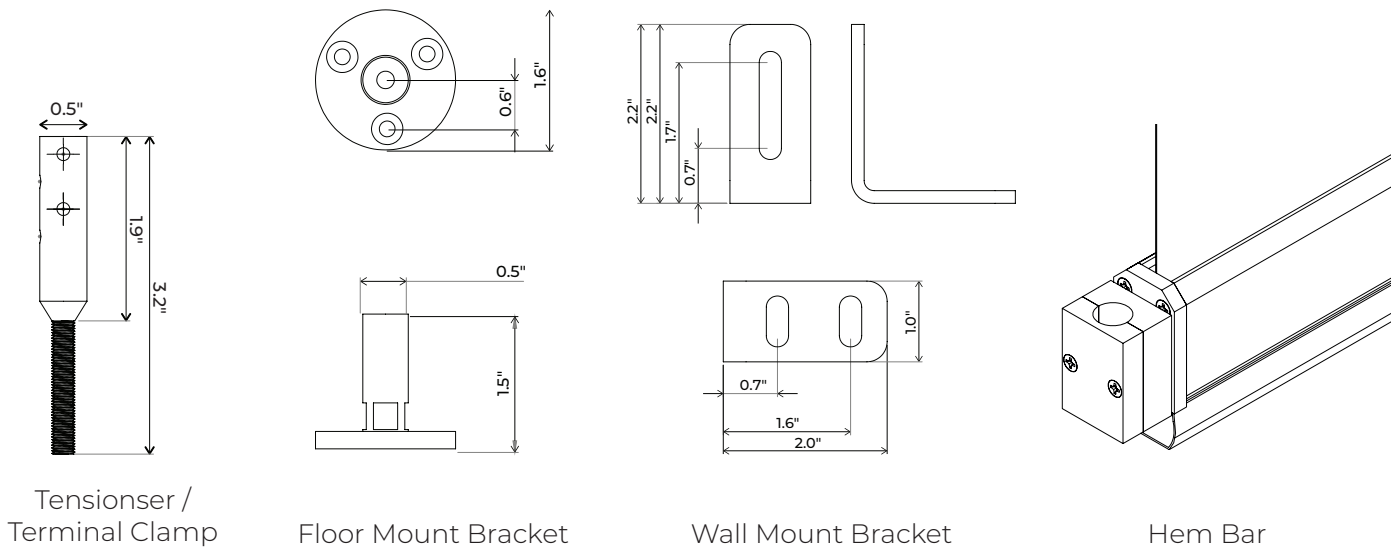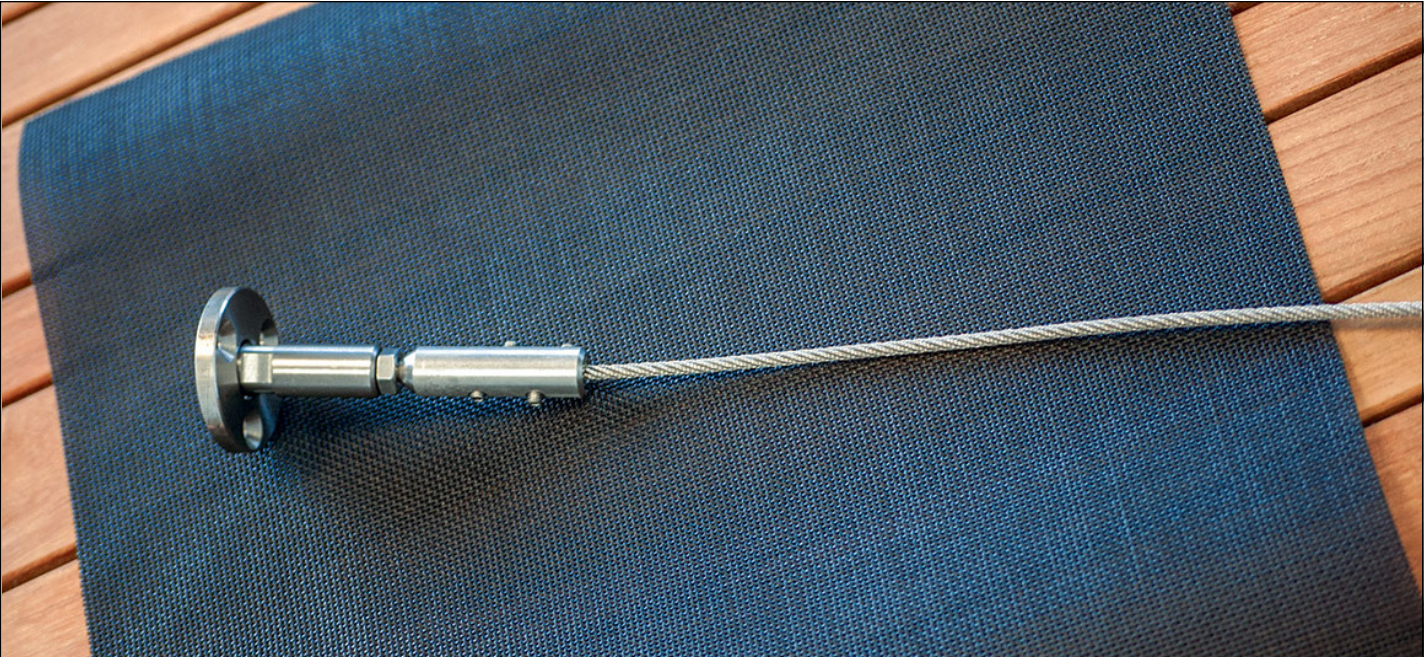
Stainless steel cable guide
system keeps the shade in place

Operation Types - Motorized & Manual

Motorized Shades are powered by Somfy, the largest and most innovative supplier of roller shade motors in the world.

Flexible control and communication options for low-voltage and line voltage motors from simple 1-way local control via RTS, to whole home automation system via wired 485 or IP gateway options.

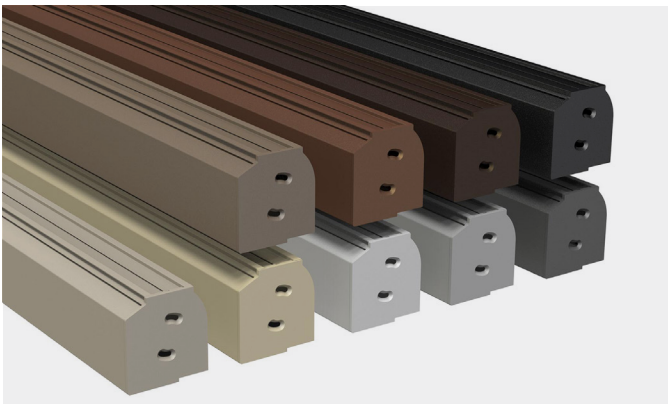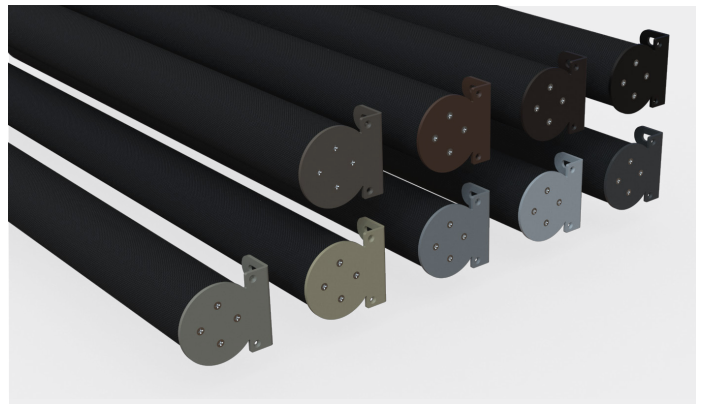|			
Wall mounted keypads	**Voice control (RTS)**	**Phone apps**	**Remote**

Manual Shades are clean in design, simple to operate, and easy on the budget. Manual shades come with folding crank handle that disconnects for easy storage.

Color Options

ZEN BOX

ZEN ROLL

We offer 9 hand-picked, designer standard color options.

Whatever your control needs, we have you connected!

Wired - 485 control via Janus or optional IP

Janus, ultra-high density 485 power and control hub. It is a dual-sided product with both UTP (category) and terminal connection, and is capable of supplying power and control over many types of wire.

Janus

485 control gateways

- Redundant Power

- Infinitely scalable: Each Janus can run up to 8 shades

- One product two faces: JANUS is a dual-sided product with both UTP (Cat5e - Cat6) and Terminal block connections, capable of supplying power and control over many types of wire

- Panel or rack mount in 1/4 the space

- Optional IP Control - The Screen Innovations® - offers 485 control gateway over IP or RS232

- Available in Plenum-rated - Solid state with no moving parts - potential for 3rd Party battery backup power source.

- Ultra High Density enclosure mounting - with up to 32 shades per industry standard 10-shade enclosure panel with absolutely Zero Heat Emmitance.

Wireless - RTS

RTS & Zigbee gateway

RTS Repeater

- RTS is a reliable wireless one-way communication protocol which can communicate with Zen shades

- RTS offers many control options, such as handheld remotes, wall-mounted keypads, and smart phone apps such as TaHoma

- SI RTS gateways also include Zigbee 3.0 compatibility

Shade Fabrics

Zen is available in the most popular fabric options on the market, including an expansive list of textile / fabric options featuring UV blocking and resistance technologies for durable, long-lasting outdoor use

Note: Fabric selection may limit the size of the shade, or force cassette size to the next size up; use the SI Flow Tool and SI Design Services with help determining shade size and fabric selection compatibility.

Fabric Certification & Testing

Fire Retardent

Fire retardant (FR) fabric options are tested and approved for indoor use where municipal and federal code requires. In case of a building fire, flame retardant shade materials resist burning, allowing occupants more time to escape, and first responders additional time to clear the space and put out the fire. Fire retardant fabric testing is defined by and complies with NFPA 701.

Bacterial and Fungal Resistance

SI offers anti-bacterial and anti-fungal fabric options that offer protection against bacteria, mold, mildew, and other hazardous microbes, and are tested in accordance with AST standards and guidelines. Antimicrobial fabrics are may be treated topically to inhibit the growth of pathogens, or by using yarns and materials which have inherent antimicrobial properties.

Air Quality

Understanding, and eliminating or controlling common pollutants will help mitigate the risk to occupants from air quality concerns. SI offers many shade fabrics with the GREENGUARD Certification and/ or RoHS Compliance certifications for low- or no-pollutant emmitance use in occupied spaces.
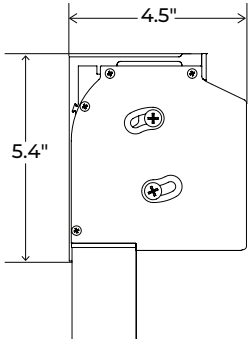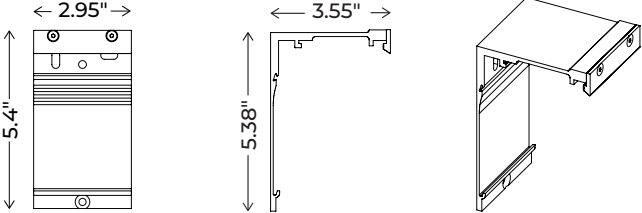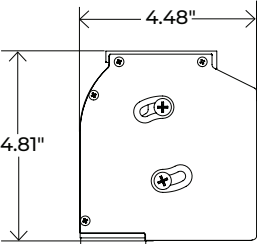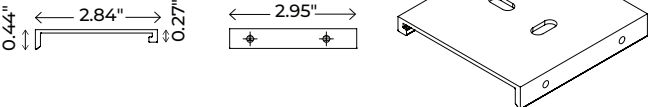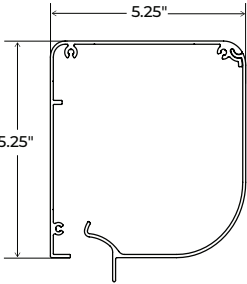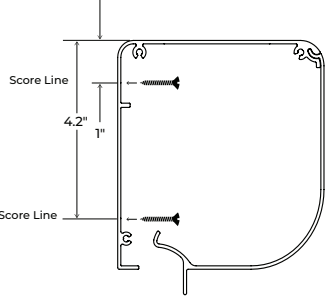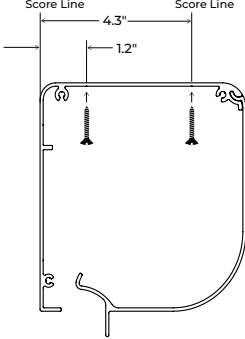
Environmentally Responsible

In addition to IAC testing and certifications, many fabrics carry Cradle to Cradle certifications. CtoC rated fabrics are assessed using the five critical performance categories of Material Health, Material Reutilization, Renewable Energy & Carbon Management, Water Stewardship, and Social Fairness.
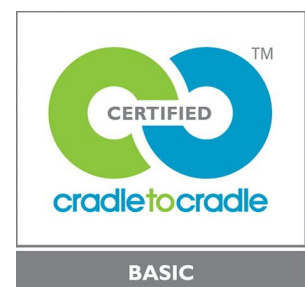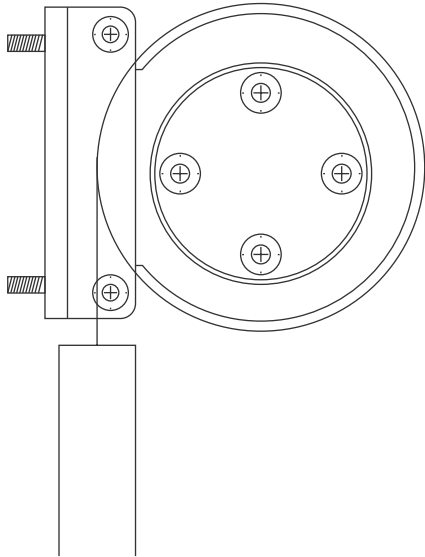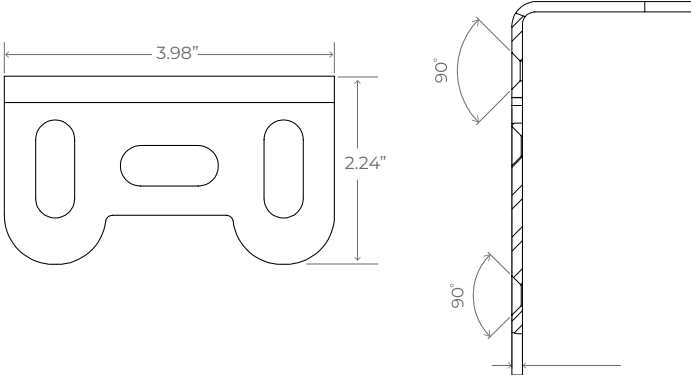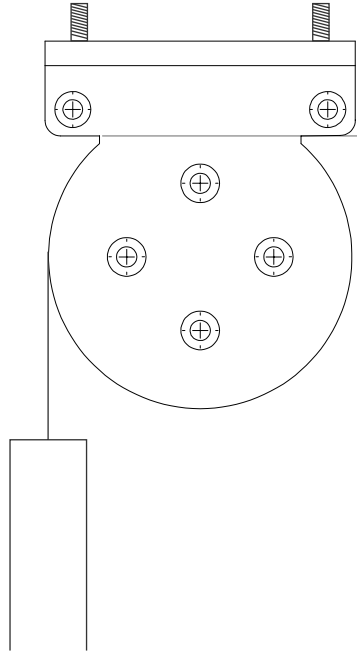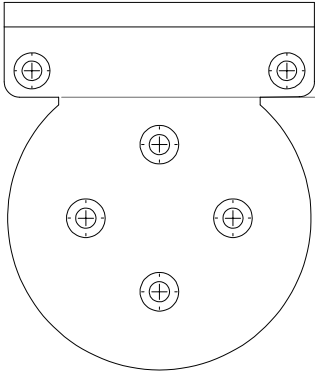
Zen Box - Mounts & Bracket Measurements

Wall Mounting	Wall Brackets
4.5" / 5.4"	2.95" / 5.4" / 3.55" / 5.38"

Ceiling Mounting	Ceiling Brackets
4.48" / 4.81"	0.44" / 2.84" / 0.27" / 2.95"

	Wall Mount	Ceiling Mount
5.25" / 5.25"	Score Line / 4.2" / 1" / Score Line	Score Line / Score Line / 4.3" / 1.2"

Zen Roll - Mounts & Bracket Measurements

Wall Mounting	Brackets

Dimensions shown: 3.98", 2.24", 90°, 90°

Ceiling Mounting

Zen Box, Roll and XL - Fabric Measurements

Min. Fabric Measurement

Max. Fabric Measurement

Style	Pricing Group	Seam	Wth.	Ht.	Roll Manual Wth. Std	Roll Manual Ht. Std	Roll Motorized Wth. Std	Roll Motorized Wth. XL	Roll Motorized Ht. Std	Roll Motorized Ht. XL	Box Manual Wth. Std	Box Manual Ht. Std	Box Motorized Wth. Std	Box Motorized Wth. XL	Box Motorized Ht. Std	Box Motorized Ht. XL
Tuffscreen	A	120	36	34	192	192	216	276	150	150	192	192	216	276	150	150
Sheerweave 2000	B	126	36	34	192	192	216	276	186	186	192	192	216	276	186	192
Sheerweave 2100	B	98	36	34	192	192	216	276	186	192	192	192	216	276	186	192
Suntex 95	B	126	36	34	192	186	216	216	126	126	192	186	216	216	126	126
Suntex 90	B	96	36	34	192	144	216	216	96	96	192	144	216	216	96	96
Soltis 88	C	105	36	34	192	192	216	276	186	192	192	192	216	276	186	192
Insect Screen	A	120	36	34	192	192	216	216	186	186	192	192	216	216	150	150
Suntex 80	A	96	36	34	192	192	216	216	186	186	192	192	216	216	150	150
Super Solar Screening	B	84	36	34	192	192	216	276	186	192	192	192	216	216	150	150
Sheerweave 4100	B	98	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Tempotest Starscreen	B	128	36	34	192	192	216	276	186	192	192	192	216	276	186	192
Tempotest Solids	B	80	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Eclissi	B	96	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Soltis Proof 502	B	71	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Soltis Horizon 86	B	105	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 2500	C	126	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 2410	C	126	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 2390	C	126	36	34	192	192	216	276	186	192	192	192	216	276	186	192
Sheerweave 2360	C	126	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 4500	C	126	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 4600	C	126	36	34	192	192	216	216	186	186	192	186	216	216	186	186
Sheerweave 4901	C	98	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 4903	C	98	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 7450	C	118	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 7500	C	118	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 4000	C	126	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Soltis Perform 92	C	126	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Soltis Opaque B92-N	C	67	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sheerweave 7400	D	118	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Performance P 2500	D	96	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Performance P 2410	D	96	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Performance P 2390	D	96	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Tempotest Solids FR	D	80	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sunbrella Standard	D	106	36	34	192	192	216	216	186	186	192	192	216	216	186	186
Sunbrella Premium	D	106	36	34	192	192	216	216	186	186	192	192	216	216	186	186

· When width is greater, fabric will railroad   · When both dimensions are greater, fabric will seam