

# Commercial Shading Solutions

PRODUCT OVERVIEW

designed to be better.

 **legrand**<sup>®</sup>

# Seize the Daylight

The studies are countless, the proof unequivocal: we work and live better with exposure to daylight. Then why are traditional commercial windows and shades dividing people from the environment?

We aim higher at Legrand. Our commercial shading solutions create synergy with the outdoors allowing occupants to program their shades to follow the day. Our shading products tame daylight and ensure sustainability in any environment.

With precise, programmable controls and clean, eye-catching aesthetics, Legrand's Commercial Shading Solutions allow you to design brilliant spaces that foster productivity, reduce energy costs and meet building sustainability standards.

**Your Space in its Most Beautiful Light.**



# DISCOVER

## Commercial Shading Solutions

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### Start with the **FABRIC**

Our broad range of fabrics reduces solar heat gain, protects against damaging UV and improves the comfort of any interior space.

12

### Consider the **AESTHETIC**

Choose from an array of options that sustain design integrity and never disrupt visual flow.

16

### Be in **CONTROL**

From wall-mounted keypads to fully intuitive, automated systems, Legrand's commercial shade controls are designed to provide intuitive control of natural and artificial light.



**INCLINE MANUAL TRAX**  
Project: Coast Capital King George



**OVERSIZED SHADES**  
Project: University of British Columbia, Student Union Building



**DISTRICT SHADES**  
Project: Telus Garden Office Tower, LEED® Platinum



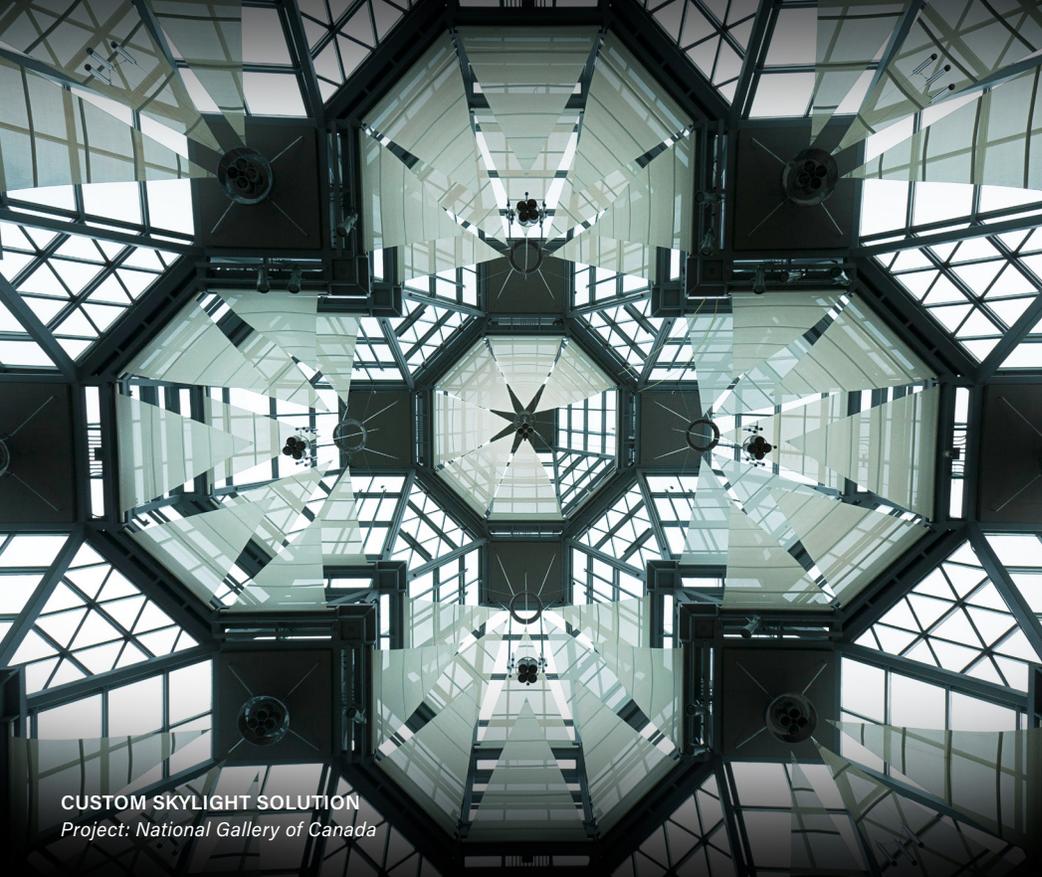
**DISTRICT SHADES | LIGHT SHELF**  
Project: Aerocentre Premier Office Complex

## Seize the Daylight

Our fully customizable shading solutions give spaces freedom to shine.

Guide lighting with our precise and virtually silent automatic roller shades. Deflect glare and coordinate lighting angles with our light shelf technology, or turn an atrium into an observatory with our overhead tracking systems.

**For any project, Legrand offers the perfect shading solution.**



**CUSTOM SKYLIGHT SOLUTION**  
*Project: National Gallery of Canada*



**COUNTER WEIGHTED, SLOPE**  
*Project: National Gallery of Canada*



**DISTRICT SHADES**  
*Project: Metro Tower III, LEED® Platinum*



**DISTRICT SHADES**  
*Project: First Commonwealth Federal Credit Union*



# Harnessing Daylight

## Bringing Natural Light Indoors

Human beings have an evolutionary need for natural sunlight. Our biological systems are driven by a circadian rhythm, an internal 24-hour clock that relies on light to help activate or calm body activity. Similar to how increased exposure to mobile screens upsets that balance, so can poor interior lighting.

Without natural light, our systems can become unmoored – and our health unsound.

Increasing the volume of natural light that reaches indoor spaces is paramount to addressing chronic health issues and supporting productivity. That's

why LEED® and WELL® building standards require human-centric lighting for sustainability.

Legrand's Commercial Shading Solutions meet these standards by providing human-centric lighting in its purest form – the sun.



## Daylighting Made Easy

Daylight Harvesting is a method of leveraging light and shade control technologies to conserve energy. It allows buildings to maximize natural light, reduce artificial lighting, control occupancy comfort and create productive and healthy work environments.

Legrand's automated shading systems can be programmed to adjust in unison with the sun's position on the building. A network of photo sensors and seasonal clocks manage this dynamic adjustment, keeping invasive, direct sunlight at bay during the harshest afternoons. This conserves energy and maintains comfortable internal temperatures.



# Commercial Shading from Legrand

Legrand's Commercial Shading Solutions are innovative, energy-aware solutions that control interior daylight.

**And they look great, too.**

## 01

### Freedom to Create

With a wide-range of intriguing fabrics and technologies, you have the ability to design a space the way you envision it.

**Transform your workspace.**



## 02

### Intuitive Controls

Control is easy with keypads, touchscreens and automation. Intrinsic design and commissioning – a singular system to operate shades and lights with precision control, intelligent drives and smart integration. Invent scenarios, set schedules and manage multiple zones separately. But it's not all ones and zeros, either, as our patented manual override allows manual shade operation by tugging the shade without damage to it or the motor.

**It's intuitive and beautiful.**

## 03

### Design Assistance

You have a vision. We can help. Our Design Center of Excellence provides system design services, submittal packages, testing and verification, training and on-site implementation support.

**Contact your Regional Sales Manager to get started.**



## 04

### Expedited Installation

Legrand's Commercial Shading is ready to go. Our plug-and-play technical design eliminates the need for workaround solutions with industry standard Cat5e cable and RJ45 connectors.

**Everything fits easily, exactly where it should be.**

## 05

### Ongoing Support

Our shading is design-first. But it's not a one and done affair. We offer continuous support after tenant move-in with our secure connected services program. Have a manual shading install? Automate it with our unique, patent-pending solution (with or without wires) in minutes.

# Fabric

Legrand's shading fabric collections offers a solution for every project need. From light filtering to room darkening, our fabric collection features 500+ fabrics in a variety of openness factors to control light and glare.

Our fabrics are certified under the most stringent guidelines found in Greenguard, USDA Biobase, Lead Free, Flame Retardant as well as those standards found in the Melanoma International foundation.

When selecting a fabric, consider the needs of the space and occupants. All of our fabrics are rated on the following Performance and Openness descriptions:

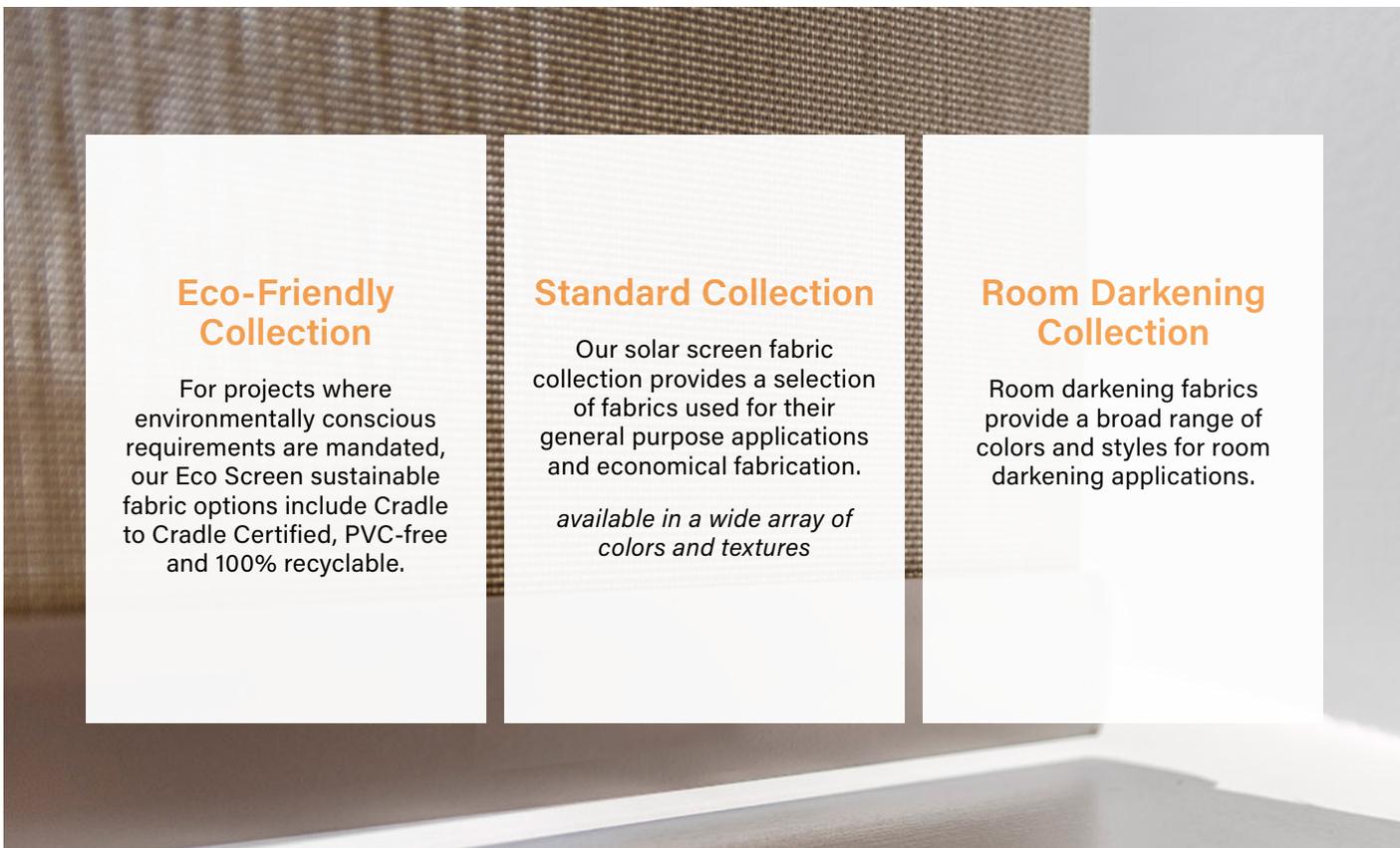
**Solar Transmittance (Ts):** The amount of solar energy that passes through the window and shading system into the building

**Solar Reflectance (Rs):** The amount of solar energy reflected outward by the shade

**Solar Absorptance (As):** The ratio of solar energy absorbed by the window shades

**Visible Transmittance (Tv):** The amount of visible light that passes through the shade

**Openness Factor (OF):** The amount of open area within the fabric. The value represents the amount of UV allowed to enter the building. For example, a 3% fabric allows 3% UV into the building (*blocks out 97% of UV*)



### Eco-Friendly Collection

For projects where environmentally conscious requirements are mandated, our Eco Screen sustainable fabric options include Cradle to Cradle Certified, PVC-free and 100% recyclable.

### Standard Collection

Our solar screen fabric collection provides a selection of fabrics used for their general purpose applications and economical fabrication.

*available in a wide array of colors and textures*

### Room Darkening Collection

Room darkening fabrics provide a broad range of colors and styles for room darkening applications.

## Fascia & Hembar Finishes

	TELESHADE (TS-*)	DESIGNER SERIES (DS-*)	SPEC SERIES (SS-*)
Hembar Options	<p>Exposed</p> <p>Concealed: <i>Fabric Wrapped with Open Ends</i></p> <p>Wrapped and Sealed: <i>Fabric Wrapped with Fabric Sealed Ends</i></p>	<p>Round Exposed</p> <p>Round Wrapped</p> <p>Oval Exposed</p> <p>Oval Wrapped</p>	<p>Round Exposed</p> <p>Round Wrapped</p> <p>Oval Exposed</p> <p>Oval Wrapped</p>
Hardware Color Option	<ul style="list-style-type: none"> <li>• Gloss White</li> <li>• Black</li> <li>• Charcoal</li> <li>• Clear</li> <li>• Anodized</li> <li>• Dark Bronze</li> </ul>	<ul style="list-style-type: none"> <li>• White</li> <li>• Black</li> <li>• Sand</li> <li>• Anodized Silver</li> <li>• Bronze</li> </ul>	<ul style="list-style-type: none"> <li>• White</li> <li>• Black</li> <li>• Sand</li> <li>• Anodized Silver</li> <li>• Bronze</li> </ul>
Endcap Color Options	<ul style="list-style-type: none"> <li>• Gloss White</li> <li>• Black</li> <li>• Charcoal</li> <li>• Clear</li> <li>• Anodized</li> <li>• Dark Bronze</li> </ul>	<ul style="list-style-type: none"> <li>• White</li> <li>• Black</li> <li>• Sand</li> <li>• Anodized Silver</li> <li>• Bronze</li> </ul>	<ul style="list-style-type: none"> <li>• White</li> <li>• Black</li> <li>• Sand</li> <li>• Anodized Silver</li> <li>• Bronze</li> </ul>

PRODUCT COLOR KEY:





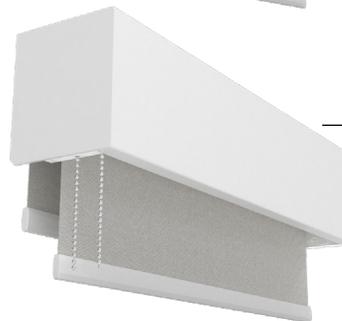
# Aesthetic

## Teleshade Series

The TS (Teleshade) series is our easy to install cassette style shade system. Each shade is built completely, then tested in our factory for proper operation and correct fabric roll. Installation is quick and easy, all the Window Treatment Dealer has to do is install the brackets and snap the shade into the secure bracket system. Maintenance is a breeze too with the Teleshade installation system. The TS series comes in all options common to traditional tube and bracket shades like manual, motorized, dual shade and pocket systems.



TS DUAL  
AC MOTOR



TS DUAL  
MANUAL

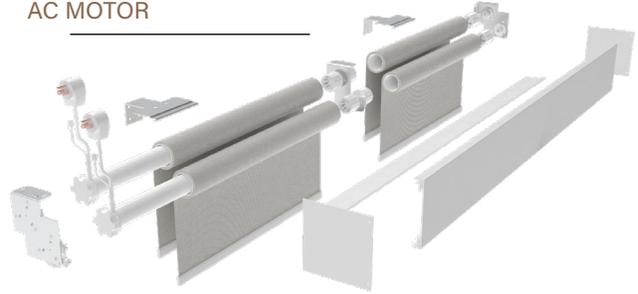


TS SINGLE 4"  
DC MOTOR

## Designer Series

The DS (Designer Series) is a traditional shade system but with many options that make them ideal for complex commercial applications. For instance, very large windows, coupled, curved, 90 degree, or even bottom up applications are easily accomplished using ES shades. All DS shades are motorized but coupling allows for one motor to drive multiple shades providing motorization and automation for any budget.

ES DUAL COUPLED  
AC MOTOR



ES FLEXIBLE COUPLED  
AC MOTOR

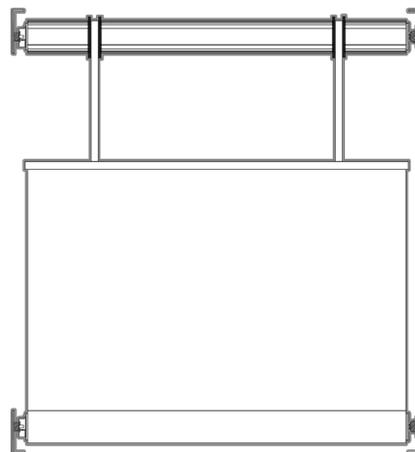
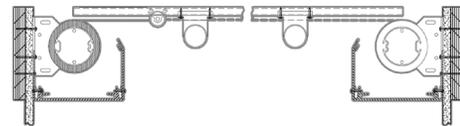


Top View



## Skylight Shades

Legrand Shading offers a comprehensive list of skylight shade options to fit any commercial space. Options include: shades for inclined windows, pleated skylight shades and options for tensioned shades to fit small and large skylights. Most skylight shades are motor controlled, but we also have manual control options for lower heights. Buildings with skylights save considerable energy by reducing artificial lighting and creating a comfortable environment using skylight shades.



HORIZONTAL FTS SYSTEM

## Light Shelf

Our Light Shelves offer advanced daylighting control to bring more daylight into building spaces. Use the Light Shelf system to reflect light further into the space than the window can provide without the shelf. Automate the skylights and they can also become a shade

when the sun is at a low angle. Combining Roller Shades and Light Shelves is the most complete daylighting solution for commercial spaces and will save energy by reducing artificial lighting needs.





# Controls

High performance buildings require powerful, flexible daylight harvesting solutions to reach full energy savings potential. Legrand's Commercial Shading and Lighting Control's adaptable technology platform provides control infrastructure at every automated shade, lighting load, switch and outlet to optimize energy performance.



## Simplicity

An internal clock compensates for seasonal shifting in sun angle and collaborates with ceiling-mounted photo sensors to adjust lights and shade position to meet a defined foot-candle level, every day of the year.

## Flexibility

Our scalable, building-block architecture can meet current occupant needs and easily scale to integrate with new building systems as your tenant roster grows. Control of simple to complex sequences of operation is easy with Legrand's Push n' Learn™ personalization and our sleek, PC-based software interface provides easy system management.

## Scalability

Support the drive towards a net-zero future. Our system scales to accommodate entire buildings or campuses and is designed to continually maximize energy conservation.

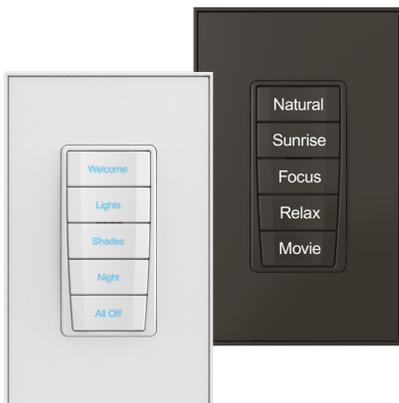
## Equinox Mobile Apps

Intuitive control of shades, lighting, scenes and schedules from an Android or Apple iOS device.



## DLM Standard Wired Switches

Programed to pair with Legrand's Shading Solutions, the DLM Standard Shade Switch allows for easy and quick installation using Plug n' Go™ automatic configuration or can be easily customized using Push n' Learn.



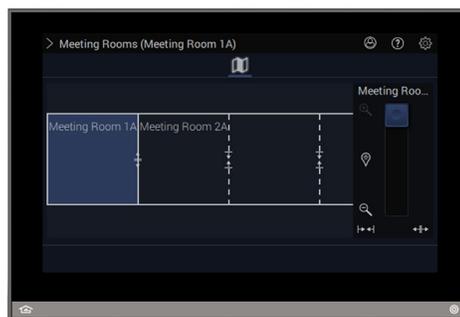
## Easy Touch II

A modular keypad with contemporary aesthetics and functionality available in multiple colors



## Equinox Mobile Apps

Available for Android and iOS devices



## Equinox 73 Touchscreen

Equinox 73 is a high bright LCD touchscreen that is always on and always available

COMMERCIAL SHADING SOLUTIONS

# Seize the Daylight

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Daylight is the best kind of light — and daylighting control from Legrand lets you bask in the best of what each day brings. Introducing Commercial Shading, the perfect complement to Legrand's high performance dimming and customizable lighting controls. Don't chase the sun, let Legrand's Shading Solutions optimize your daylight blend — on into the sunset.

**GET YOUR PROJECT  
STARTED WITH LEGRAND**

[www.legrand.us/commercial-shading](http://www.legrand.us/commercial-shading)



**BUILDING CONTROL SYSTEMS**

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