

INTRODUCING



**self-charging power source  
for motorized shades**

### Easy Installation

- Off-the-shelf retrofit
- Kits for customization
- Dependable performance in any light conditions
- Works on any side of the building
- Works on cloudy/snowy days
- Works nearly anywhere on the planet

### Reduced Cost and Hassle

- No battery replacement or disposal
- No labor to replace batteries
- No inconvenience of dead batteries
- No wiring costs or disruptive constructions
- 5-year manufacturer's warranty

### Fraser Shading Systems Inc

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Made in the USA

### Completely Integrated System

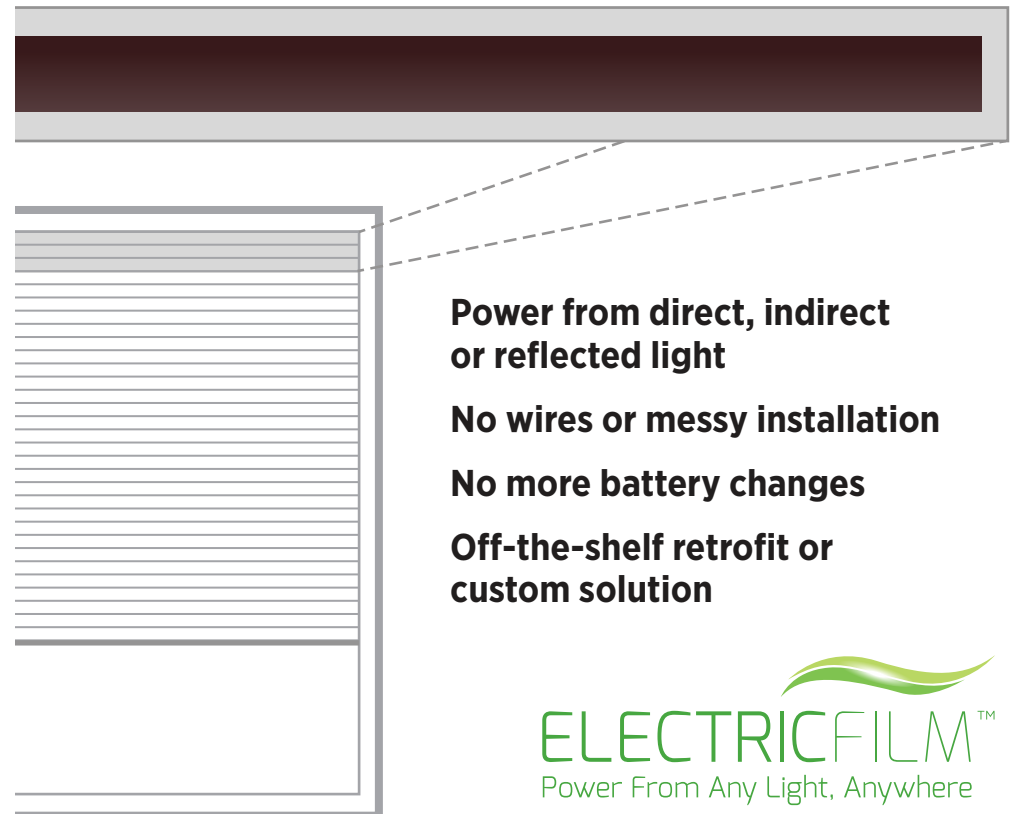
- Includes all batteries and circuitry
- Long-lasting environmentally friendly rechargeable batteries
- Compatible with wide array of motors
- 5V, 12V, or 18V output
- Multi-length L-brackets for multiple installation options
- Can be used in tinted windows

### The Sustainable Solution

- Energy management
- Automated window shade control
- Reduces building heat gain
- Contributes to LEED Certification
- Reduces carbon footprint
- Fewer batteries disposed into the environment



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# Power from light. Any light. Anywhere.

ElectricFilm™ has created a technology that harnesses direct and indirect light and converts it into electricity to power various devices.

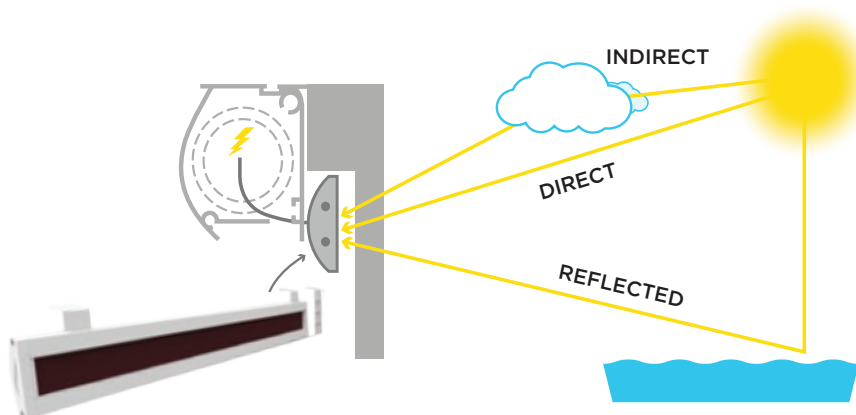
ElectricFilm is a global leader in Energy Harvesting (EH) technology and applications. We have advanced the next generation of sustainable power supply with our proprietary **Power From Light™** technology for motorized shades.

## A Completely Integrated System



Easy Installation:  
Adjustable L brackets  
or custom mullion to mullion

## ElectricFilm Energy Harvesting Solution



## Global Application

The following chart represents scientific calculations based on 30 years of solar data collected from NASA, NREL and other independent institutions. These data are used to determine the amount of sun hours per day in a specific geographic area in conjunction with the energy harvesting capacity of our PFL30 mounted vertically in a window. These calculations are for comparison purposes only. For information specific to your project please contact ElectricFilm directly.

### Window Shade Cycle Testing Assumptions

- 12-volt motor (similar to Somfy LT-30)
- 75% transparent glass
- 72" x 72" shade
- Standard EF 30" PFLA

Location	# of up/down cycles	Window Direction			
		North	South	East	West
Birmingham, AL	# of up/down cycles	2	5	5	5
Boston, MA	# of up/down cycles	2	6	5	5
Chicago, IL	# of up/down cycles	2	6	5	5
Honolulu, HI	# of up/down cycles	3	3	7	7
Seattle, WA	# of up/down cycles	2	5	3	3
Phoenix, AZ	# of up/down cycles	3	5	7	7
Miami, FL	# of up/down cycles	3	4	6	6
Houston, TX	# of up/down cycles	2	4	5	5
San Francisco, CA	# of up/down cycles	2	6	5	6
Montreal, Canada	# of up/down cycles	2	5	3	3
Calgary, Canada	# of up/down cycles	2	8	5	5
Barcelona, Spain	# of up/down cycles	2	7	5	5
Paris, France	# of up/down cycles	2	8	6	6
London, England	# of up/down cycles	2	6	5	6
Seoul, Korea	# of up/down cycles	2	4	4	4
Shanghai, China	# of up/down cycles	2	4	5	5
Tokyo, Japan	# of up/down cycles	2	4	5	5

Note: Cycles shown reflect the worst four solar months of the year. Performance increases significantly for the balance of the year.