

# Control spaces on demand

The Vela™ System by Avery Dennison is a retrofit window film solution, that transforms transparent windows translucent. The Vela™ System is powered by an advanced electrical controller, designed specifically for the Vela™ System to provide privacy and projection capability at the flick of a switch.

## Vela™ Advanced Controllers

- > Single-channel ON/OFF
- > Single-channel DIMMER

### Single Channel Controller

Dimensions: 165mm (L) x 102mm (W) x 39mm (H)  
Weight: approx. 680g



- > Multi-channel (16 channels)

### Multi Channel Controller

Dimensions: 222mm (L) x 102mm (W) x 39mm (H)  
Weight: approx. 920g



## Why do you need a Vela™ controller?

### Operational

- > Improved controlled area up to 107 sqft /10 sqm
- > Different operating modes ON/OFF, dimmer, multichannel
- > Fast switching time
- > Minimal footprint small size, low weight - easy to connect, install & hide
- > Warranty activation

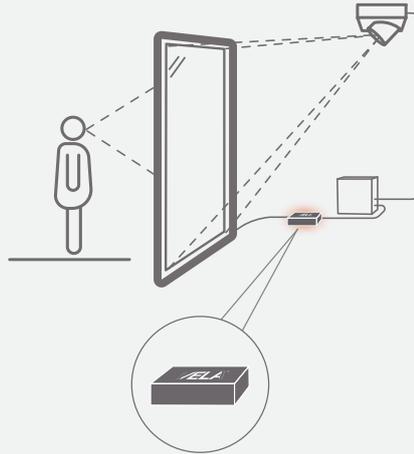
### Safety & Sustainability

- > Improved protection of PDLC film (Square wave) over-voltage/DC blocking/ short circuit, power surge
- > Safe to use UL/CE compliance Dry contact-isolated output
- > Reduced power consumption
- > Configured for Vela™ product

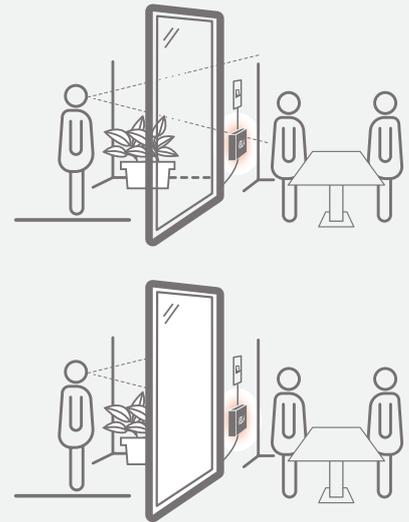
### Advanced Features

- > DMX interface ability to connect to smart advanced operating system/ projection & Wi-Fi
- > Frequency tuning ability to adjust to different light source with minimal 'flickering'

## Consumer Engagement



## Privacy



Parameter	Value	Benefit
Switching Time	OFF --> ON = 10 msec ON --> OFF = 150 msec	Fast switching time
Operating Modes	ON/OFF, Dimmer	Unique controller provides functionality and flexibility Option for multi-channel controller
Operating Voltage	70 VAC sq wave	Square wave output allows for outstanding film transparency Excellent protection of film from over voltage, DS blocking and short circuit
Operating Frequency	25-30, 32, 50-60 Hz	Low frequency operation cuts power consumption by 30%-50% Ability to adjust to different light source with minimal 'flickering'
Power Consumption*	2-4 W/sqm	Low energy consumption
Connecting Platform	DMX interface	Ability to connect to smart advanced operating system/projection, wifi
Connecting Platform	Dry contact	Isolated output (control wires do not carry any voltage)
Connecting Platform	Cascade	Ability to connect one controller to another and sequence them together
Controlled Area	107 ft <sup>2</sup> /10 m <sup>2</sup>	Ability to control a large area of VELA™ film.



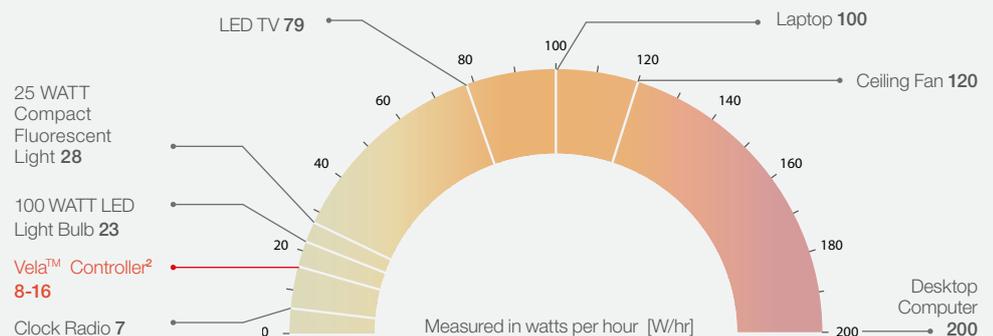
To learn more about how the Vela™ System can be ideal for your business or receive an installation estimate, please contact: [vela@eu.averydennison.com](mailto:vela@eu.averydennison.com)

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## Power Consumption Indicator\*1



<sup>1</sup> Based on information from consumer guide home and general electric website: [www.wholesalesolar.com/solar-information/how-to-save-energy/power-table](http://www.wholesalesolar.com/solar-information/how-to-save-energy/power-table)

<sup>2</sup> Electric consumption for the Vela™ controller to power Vela™ film based on 43ft<sup>2</sup>/4m<sup>2</sup>.