

PDLC Smart Film, Self-Adhesive Switchable Privacy Glass Film, 110–220V AC, UV Block ≥99%

- Self-adhesive PDLC film for direct application to interior glass
- Switches between transparent and frosted states with power ON/OFF
- Controller input rated 110–220V AC with 60V output
- UV blocking rated at 99% or greater
- IR blocking rated at up to 60%
- Compatible with wall switch, remote, or app-based control

OVERVIEW

PDLC smart film is a self-adhesive, switchable privacy film for interior glass applications such as partitions, windows, and doors. Applying power shifts the film to a clear, transparent state; removing power returns it to a frosted, opaque appearance, allowing on-demand visual privacy without mechanical blinds or shades.

The film operates through a 60V controller with an AC input of 110–220V and is compatible with a standard wall switch, remote control, or app-based control system. UV blocking is rated at ≥99% and IR blocking at ≥60%. Custom widths and opacity levels are available to suit project-specific requirements.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	110–220 V
Input Connection Type	Wall switch, remote, or app control

APPLICATIONS

- Interior glass partitions
- Conference room windows
- Office door glazing
- Privacy screens for glass-walled offices
- Retail display glass

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
operating_voltage	110–220 V	pdf	high
input_connection_type	Wall switch, remote, or app control	pdf	medium

Specifications subject to change without notice.