



ELECTRICAL LEADS  
AC VOLTAGE SOURCE

GLASS OR PLASTIC

SPD FILM

SPD FILM

LIGHT

**OFF**  
**UNACTIVATED STATE**  
PARTICLES IN RANDOM POSITIONS  
AND LIGHT IS ABSORBED

LIGHT

**ON**  
**ACTIVATED STATE**  
PARTICLES ALIGNED AND  
LIGHT IS TRANSMITTED

TRANSPARENT ELECTRICALLY CONDUCTIVE COATINGS