

# PDLC curtain wall Switchable facade



Polymer Dispersed Liquid Crystal (PDLC) glass are a type of smart glazing or film that change their transparency in response to an electrical impulse. When inactive the liquid crystals are randomly arranged, thus scattering the light as it permeates the screen, which results in the translucent, milky appearance of the assembly. When however a voltage is applied, an electrical field is created between the two electrodes, which causes the liquid crystals to align, allowing light to pass through and essentially turning the screen transparent.