

## FILMBASE Auto Smart Film

**>99%**  
Uv Block

**5W/m<sup>2</sup>**  
Low-Power

### Key Features



Dynamic Privacy



Environmental protection



Space partition



Touch screen and projection



Security



Heat-resistant and anti-scratch

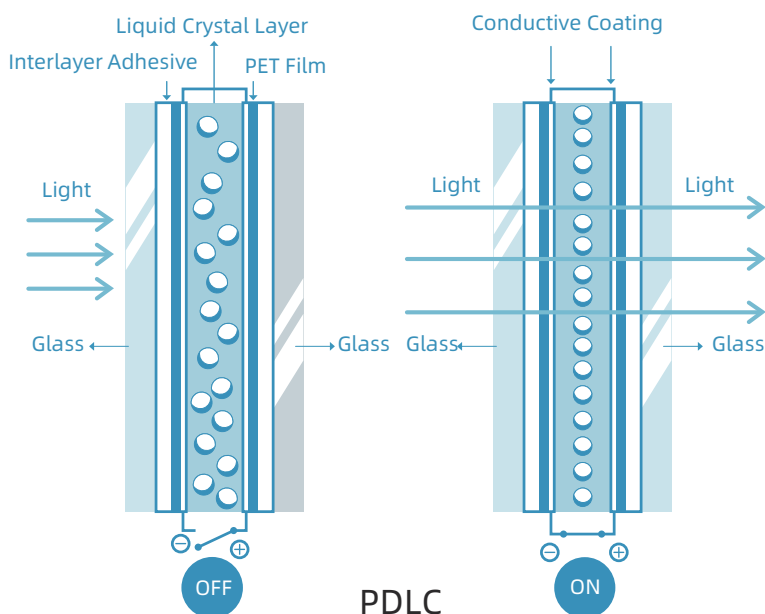


Anti-noise



Various control methods

### Technical Principles



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### Product

Items

|           |   |                                    |
|-----------|---|------------------------------------|
| Thickness | Total thickness (without protective film) | 0.13mm                             |
|           | PDLC                                      | 0.12mm                             |
|           | Silica gel                                | 0.01mm                             |
|           | PE protective film                        | 130μm                              |
|           | PET release film                          | 50μm                               |
| Sheet     | Width                                     | 1200,1500 <sup>1</sup> *mm         |
|           | Length                                    | According to customer requirements |
| Roll      | Width                                     | 1250,1500 <sup>2</sup> *mm         |
|           | Length                                    | ≤ 50m/Roll                         |
| Roll tube | Inner Diameter                            | 6 inches                           |

Note\*: This width is the actual size, the width of the calculated area is 1200,1500, mm

### Photoelectric Performance

| Items                  | ON/OFF |                          | Test Methods/Standards                            |
|------------------------|--------|--------------------------|---|
| Operating voltage      | ON     | 60V                      | Multimeter/Voltage Regulator,WGW                  |
| Power consumption      | ON     | ≤ 5W/m <sup>2</sup>      | Multi-parameter electric measuring instrument     |
| Viewing angle          | ON     | ≥ 160°                   | Visual Inspection                                 |
| Uv blocking rate       | OFF    | ≥ 99%                    | Optical transmittance tester                      |
| Infrared blocking rate | OFF    | ≥ 82%                    |   |
| Response time          | OFF→ON | ≤ 30 ms                  | Liquid crystal parameter integrated tester        |
|                        | ON→OFF | ≤ 200 ms                 |   |
| Operating temperature  | --     | -30°C ~ 95°C             | constant temperature and humidity testing machine |
| Lifetime               | --     | 10 -15 years             | GB18910.5-2008                                    |
| Switching times        | --     | ≥ 100 ten thousand Times | Self-made on/off tester                           |

### Product Transparency / Haze

| Items              | Full light tester |      |                          |         | Parallel light tester |                |
|--------------------|-------------------|------|--------------------------|---------|-----------------------|----------------|
|                    | ON/OFF            | Haze | Full light transmittance | b value | 45° light             | Parallel light |
| Adhesive PDLC film | OFF               | 94.2 | 51.19                    | 5.24    | /                     | /              |
|                    | ON                | 2.94 | 56.43                    | 3.20    | 38.4                  | 55.26          |

### Structural

