



SPECTRADOME®

SPECTRADOME PRIVAGLASS LCD glass system Technical specifications

- Visible light spectrum range: 400 to 700 nm
- Average light reflection: < 10% for milky white LCD blends
- Average light penetration: not less than 75% when transparent and not less than 63% when opaque for milky white LCD blends; 50-60% when transparent and 20% when opaque for dark LCD blends.
- Hardness: pure LCD slab tested for pencil hardness of 3H and up, glass-embedded LCD up to bulletproof
- Resistance to detergent corrosion: absolute for glass-embedded LCD. Pure LCD slab is resistant to 100 sweeps with a piece of cleaning cloth damped with window cleaner, glass detergent, alcohol and other detergents
 - window cleaner
 - glass detergent
 - alcohol
- Thickness: 0,7+/-0.05mm (pure LCD slab), from 25mm to thicker for glass-embedded LCD
- Installation deadline: 20 days after delivery for pure LCD slab, indefinite for glass-embedded LCD
- Ideal operating/storage environment: ventilated places with ambient temperature of 25°C, 60% humidity, weatherproof for glass-embedded LCD
- Response time limit (to ON/OFF status change and vice versa): 70 milliseconds
- Typical response time to status change: 2 milliseconds (from OFF/opaque to ON/trasparent) – 10 milliseconds (from ON/trasparent to OFF/opaque)
- Maximum single LCD panel dimensions: 3500x1524mm (pure LCD slab); 3500x1820mm glass-embedded LCD slab
- Minimum single LCD panel dimensions: 100x150mm circa
- Operating temperature: -10+60°C
- Driving voltage: 65+/-5 Volts (AC50/60Hz) through AC/AC transformer (available)
- Continuous operating time (life span) when turned on (trasparent): more than 50.000 hours
- Overall switch on and off life span: over 500.000 times
- Power consumption when turned on (transparent): up to 7-10W per square meter

Two main versions are available:

1. pure LCD slab: for installation where already-existing glass panes or windows are present;
2. glass-embedded LCD slab: for installation where no existing glass panes or windows are present.

Four different LCD blends, ranging from milky white to black color (mirror effect) are available in virtually any type of glass an end user could ask for (ordinary thermopane, safety glass, shatter/hammerproof glass, bulletproof glass, acoustically insulated up to -48dB cut, thermally insulated).

To request a quote as well as if you have questions or need any additional information regarding our PRIVAGLASS LCD system, you are welcome to contact us by

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