

# GRANDMIRRORS

SINCE 2001

## GRANDMIRRORS

VS

## Other Mirrors



### ✓ Fully Customizable

Designed and manufactured exactly to your requirements — no limitations in form, dimensions, or application.

VS

### Limited Options

Typically available only in standard shapes and sizes, with little to no customization.



### ✓ Advanced LED Technology

Energy-efficient, cutting-edge LEDs reduce power consumption and operating costs. The specially designed LED housing minimizes light loss and maximizes usable lumens.

VS

### Basic Lighting Technology

Simple engineering leads to light loss and lower efficiency. Illumination is often uneven, and individual LED points may be visible.



### ✓ Premium Philips LED Lighting

High-quality, long lasting LEDs from trusted brand PHILIPS.

VS

### Generic, No-Name LEDs

Unbranded LEDs can result in inconsistent output and color changes over time.

Generic No Brand



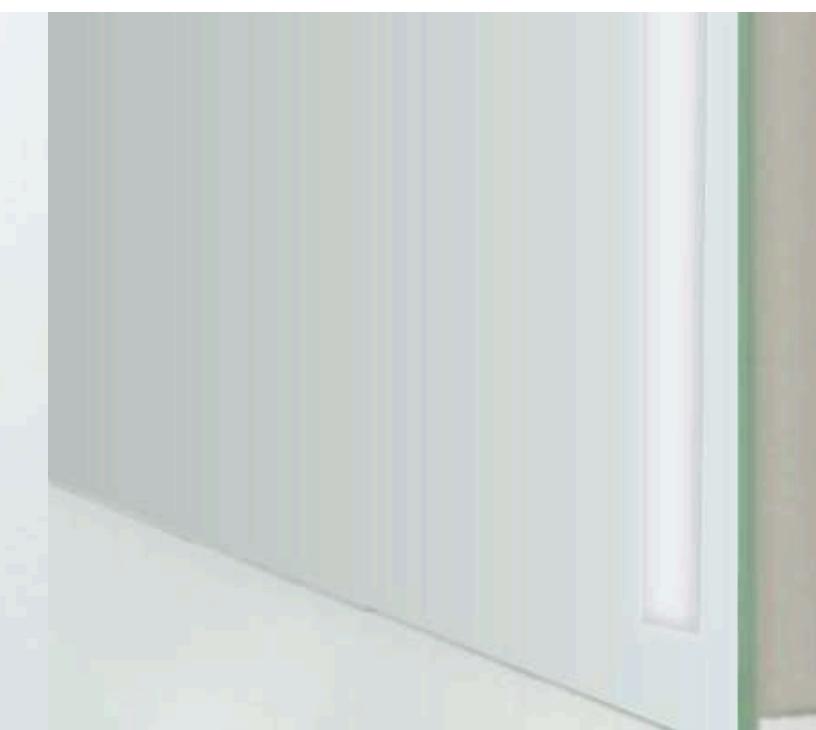
### ✓ Ultra-Thin LED Mirror

LUX features an ultra-slim design at just 0.4 in (14 mm), delivering a modern, sleek appearance (model dependent).

VS

### Much Thicker Design

Often based on outdated lighting technologies such as fluorescent systems, resulting in mirrors up to 1.5–2 inches thick, wasting space and compromising a modern bathroom aesthetic.



24 Volt

### ✓ Safe Low Voltage System

Powered by a secure 24-volt system for maximum safety and reliability.

VS

### High Voltage Risk

Uses 110–220V systems directly connected to the back of the mirror, increasing risk in wet environments and potential conflicts with local electrical codes.



110-220 Volt



### ✓ Durable & Secure

Reinforced safety backing secures the mirror in case of breakage and protects the silver coating on the back of the mirror.

VS

### Unprotected & Unsafe

Without a safety backing, broken mirrors can scatter sharp pieces, creating hazardous situations. The exposed mirror coating is also vulnerable to damage and deterioration over time.



### ✓ Secure Wall-Mounted Installation

Engineered for strong, stable, and long-lasting wall mounting with professional-grade fixations.

VS

### 2- or 4-Point Mounting

Limited mounting points make installation more difficult and may not provide sufficient strength or stability, especially for larger mirrors.



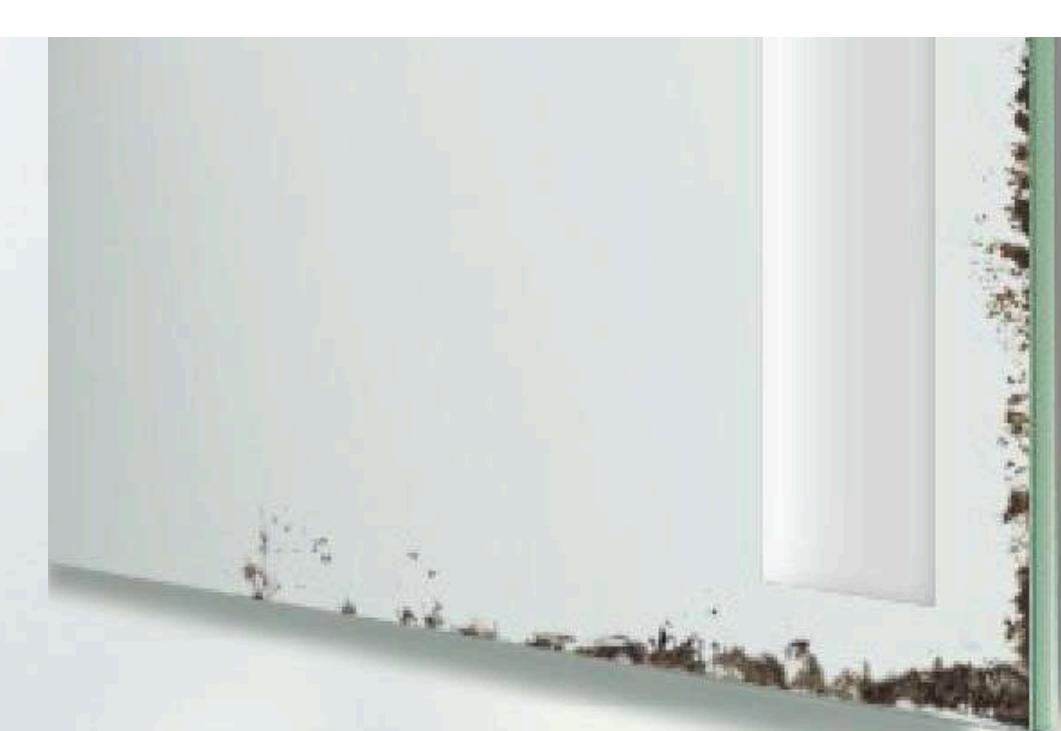
### ✓ High-Quality Mirror Glass

Corrosion-resistant mirror glass with bright, clear reflection and no green edges, even after years of use.

VS

### Regular Mirror Glass

Mirror glass varies widely in quality. Lower-grade glass is prone to deterioration, has green-tinted edges, and offers reduced clarity.



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### Computerized Glass Cutting

Glass is cut with extreme precision using computerized machinery, allowing exact dimensions in any size, shape, or form.

VS

### Manual Cutting

Manual cutting results in larger tolerances than necessary, reducing precision and consistency.



### Laser-Etched Light Panels

Laser-etched panels provide a smooth surface, precise edges, higher light efficiency, and even illumination.

VS

### Sand-Blasted Light Panels

Sand blasting is less precise, can create uneven, rough surfaces, and leaves edges that may trap moisture, accelerating deterioration and corrosion.



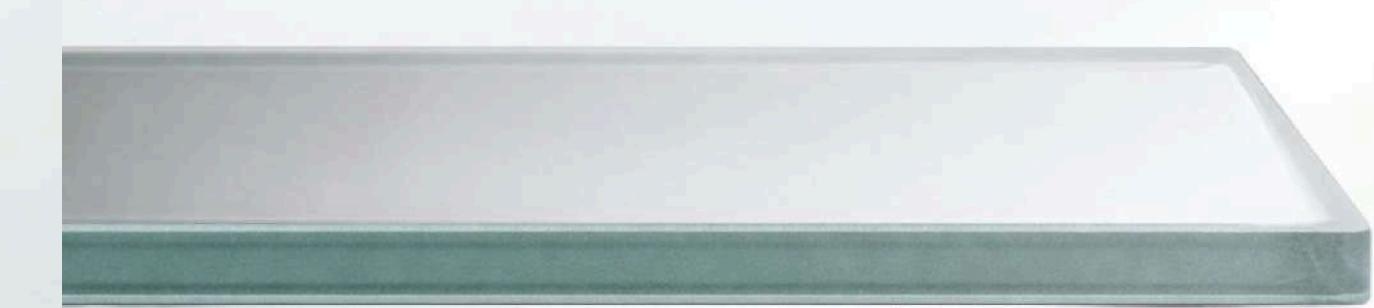
### Diamante-Polished Edges

All edges are polished to a diamond-like finish for a refined look, easy cleaning, and reduced risk of chipping.

VS

### Regular Ground Edges

Standard grinding is a common and fast process, but it results in matte, non-transparent edges that are harder to clean and give the mirror a less refined appearance.



### UL-Certified Wiring & Connectors

All internal wiring and connectors are UL certified, ensuring safety, reliability, and consistent performance in humid environments.

VS

### Non-Certified Wiring & Connectors

Wiring and connectors are critical to product longevity. Non-certified components can be unreliable over time and may lead to performance issues.



### Rock-Solid Power Supply

Premium Mean Well power supplies deliver exceptional reliability, IP67 waterproof protection, UL compatibility, and easy servicing, with options for DALI, TRIAC, and constant voltage.

VS

### Non-Waterproof, Mirror-Mounted Power Supply

Power supplies are not waterproof and are attached directly to the back of the mirror. Heat buildup may cause deterioration and reduced lifespan over time.



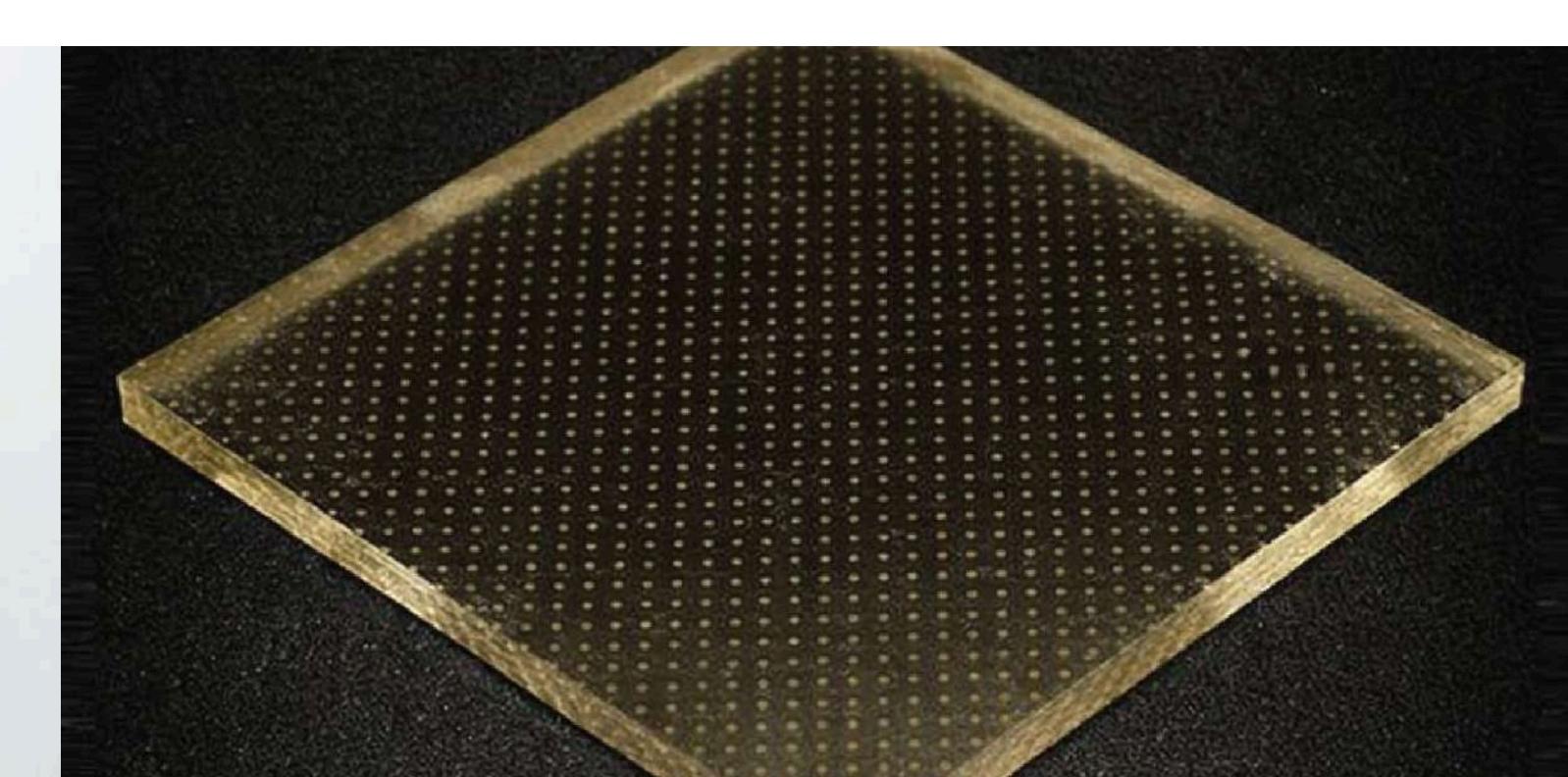
### Japanese-Manufactured Acrylic Light Boards

Made from premium Japanese optical acrylic for maximum transparency, durability, and long-term clarity without yellowing.

VS

### Common Light Boards

Standard light boards offer lower clarity and transparency and may yellow over time.



### SMD LED Technology

Grand Mirrors exclusively uses SMD LEDs for higher efficiency and brightness.

- SMD LED: 110 lm/W
- COB LED: 70 lm/W

This results in brighter light with significantly lower energy consumption.

VS

### COB LEDs

COB LEDs are often used to conceal LED dots without the need for specially designed housings. However, they deliver 30–40% less light output per watt compared to SMD LEDs.



### Ongoing Product Testing

All parts and components are regularly tested in extreme climate simulation chambers to identify potential issues. This ensures Grand Mirrors are reliable not only for residential bathrooms, but also suitable for demanding environments such as hospitality, marine, and aerospace applications.

VS

### Unknown Testing Procedures

Mirrors are expected and promised to have a product lifetime of 10–20 years. Proper testing is therefore critical to support these expectations and claims.

