

# MIRROR IMAGE

## **The Mirror Terminology "Cheat Sheet" Everyone Needs**

Mirror terms have you scratching your head?  
Your first step is to break it down.

# MIRROR TYPES

## *Clear Mirror*

## *Low Iron Mirror*

***Clear Mirror* / clear • mir-er** / A process in which glass is silvered to create a reflective surface. Also known as silvered mirror.

***Low Iron Mirror* / low • ah-ern • mir-er** / A process in which iron is removed from the chemical reaction that creates mirror, eliminating a green tint.

# LAMINATED VS TEMPERED GLASS

***Laminated Glass* / lam • uh-nayted • glass** / Like tempered glass, laminated glass is considered a safety glass. It is not heat treated and the vinyl layer inside serves a bond that keeps the glass from shattering into large shards and the vinyl keeps the glass together.

***Tempered Glass* / temp • puhd-erd • glass** / Glass that is heat treated to achieve durability, and when struck, it breaks into smooth-edged small pieces. This is much safer than annealed or standard glass, which can break into shards.

# MIRROR THICKNESS & USAGE

<i><u>Size of Mirror Sheet</u></i>	<i><u>Mirror Thickness</u></i>
22 sq ft or smaller	5mm
22 sq ft or larger	6mm

## SAFETY BACKING VS TEMPERING

When *safety-backed* mirror breaks, it breaks into large pieces while still adhering to the surface it is mounted to, allowing for safe and easy clean up. The process is also much more economical than tempered or laminated mirror. Safety backing is NOT recommended when mirror is glued directly to a surface.

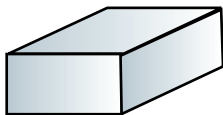
*Per ANSI Z97.1 Code for Hospitality Glazing*

*Tempered mirrors* are made by applying heat and cold air to harden the glass surface. This mirror type is required for mirror that is behind a bar, in an elevator cab or used as a tabletop.

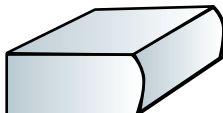
### **A Mirror Misconception**

Guestroom mirrors do NOT need to be tempered when using ANSI safety backing.  
It is costly and unnecessary.

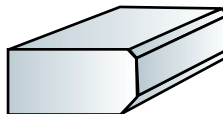
# GLASS & MIRROR EDGEWORK OPTIONS



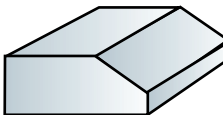
Seamed Edge



Pencil Edge also known  
as standard polish



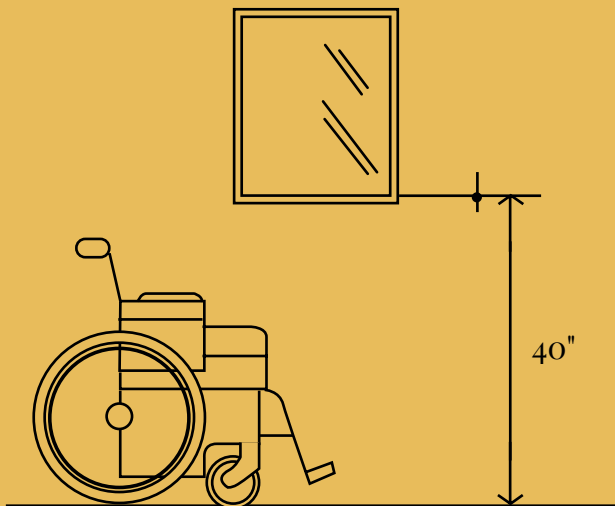
Flat Polish



Beveled edge

*Bevel selection ranges between 0.25" to 1.5"*

# ADA GUIDELINES FOR MIRRORS



**Framed mirrors must be 40" from  
the finished floor to the REFLECTIVE  
SURFACE of the mirror – Not the frame.**

# EVERYTHING LIGHTING



## ***LED Strip***

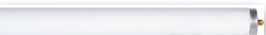
A flexible circuit board populated by surface mounted lighted emitting diodes (LEDs).

LED's have evolved quickly with technology increasing luminous efficacy and lifespans. The lower energy cost typically offsets the higher initial cost.



## ***LED T<sub>5</sub> Bulb***

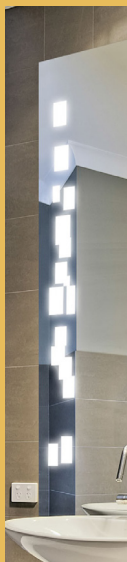
With all the benefits of an LED Strip, These energy saving LED lamps are quick, easy and safe to install minimizing maintenance time.



## ***H.O. (High Output) T<sub>5</sub> Bulb***

Fluorescent lamp fixtures are a low cost resolution while emitting the greatest amount of light for your mirror unit.

# BACKLIT MIRROR TEMPERATURES



3000K



2700K

Each of our backlit mirrors are manufactured for simple installation as well as easy access to the lighting components. In addition to lighting, there are additional accessories that may be added; such as a digital clock, bluetooth and other useful components to enhance your guests experience. While our bulbs come in a multitude of temperatures, our 2700 kelvin and 3000 kelvin are our most popular. Their differences are shown in our MS13043, left.

*Any backlit mirror must have a minimum depth of 2"*

# FROSTED GLASS VS. ETCHED GLASS

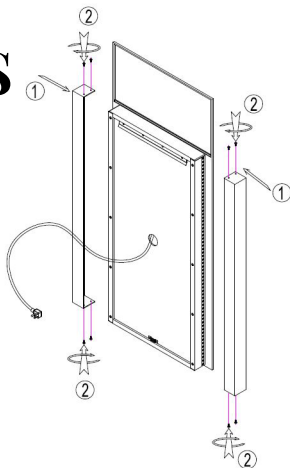
Frosted and etched glass are essentially the same thing.

***Etched Glass*** refers to the process that changes the surface of the glass with an abrasive material or substance.

***Frosted Glass*** refers to the fact the etched portion has a frosted appearance.

## DIFFUSERS

A common misconception is that diffusers are frosted or etched panels on mirror. Diffusers are *frosted acrylic strips* that are fastened to the chassis to diffuse light. See diagram to the right.



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