



# HITAR Data Sheet

**Overview:**

HITAR Glass is a High Transmission Anti-reflective glass that comes in a variety of thicknesses and is also available as single or double side coating in select thicknesses. The glass used for HITAR is a soda lime or low iron glass with AR coating.

**Features & Benefits**

HITAR has high transmission and low reflectance properties. It increases fixture efficiency, is environmental and UV durable. HITAR has a High Color Rendering Index (CRI), neutral light transmission, and is available in multiple glass types and thicknesses, making it suitable for a variety of applications such as: lighting, displays, and cameras.

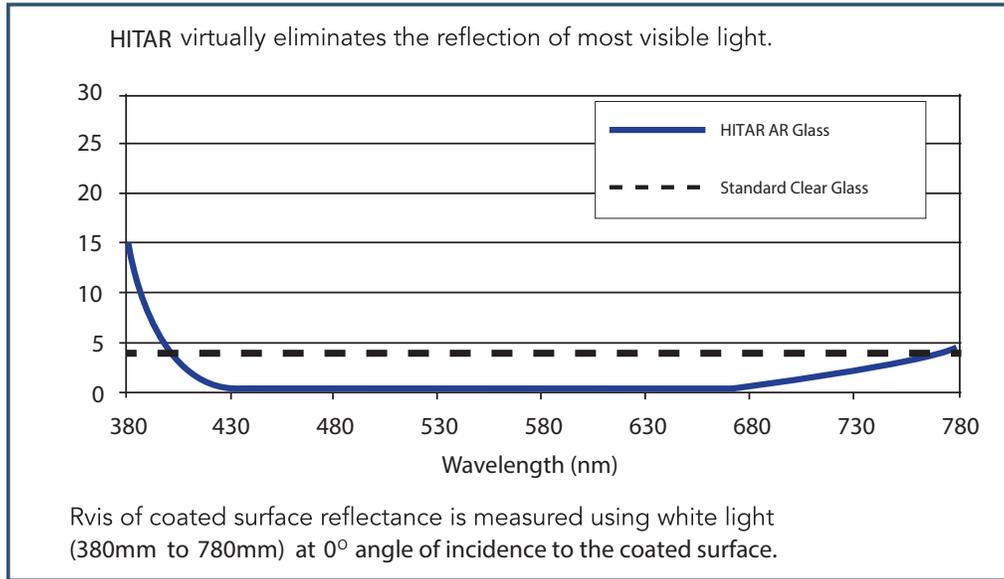
**Physical and Optical Properties**

|                 |   |
|-----------------|---|
| Product Options | Single-side AR coating<br>Double-side AR coating      |
| Glass Substrate | Soda Lime<br>Low Iron                                 |
| Glass Thickness | 3.0 & 6.0mm Standard<br>1.6, 2.0 & 4.0mm Non-Standard |

|                     |  |
|---------------------|--|
| Transmission (SS)   | > 94%, 500 – 600 nm (on low-iron glass)  |
| Transmission (DS)   | > 98%, 500 – 600 nm (on low-iron glass)  |
| Reflectance         | 400 - 750 nm average of < .5%  |
| Adhesion            | No damage or delamination after snap tape test   |
| Abrasion Resistance | No degradation after a 220-rub test with a 3/8" diameter x 1/2" thick cheesecloth pad loaded with 1 +/- 1/4 pounds on a crockmeter |
| Humidity Exposure   | No deterioration after 24 hour exposure to 49°C and 95% relative humidity  |
| Chemical Exposure   | No visible change (< 1%Δ Trans) after 24 hr soak in DI water, acetone, IPA, and Ethyl Alcohol                                      |
| Salt Fog Exposure   | No deterioration after 24 hour exposure to salt fog (5% NaCl in water) at 35°C   |

## Performance Data

### Reflectance vs. Wavelength



### Reflected Color

