

## HX-1

HX-1 is an alkali-free glass substrate with high refractive index available in large sizes. It also has unique properties such as high thermal expansion and high dielectric constant compared to conventional alkali-free glass.

### Features

- High refractive index ( $n_d$  1.63)
- High productivity
- High chemical durability
- High dielectric constant
- High thermal expansion non-alkali glass



### Properties

Properties/Glass Code			HX-1
Refractive index ( $n_d$ )			1.63
Density		$\times 10^3 \text{ kg/m}^3$	3.38
Coefficient of thermal expansion	30-380°C	$\times 10^{-7}/\text{K}$	71
Strain point		°C	640
Dielectric constant	1MHz, 25°C		8.3

### Example of OLED Lighting Application

With HX-1, OLED lighting efficiency can be improved by simply replacing a conventional glass substrate.

