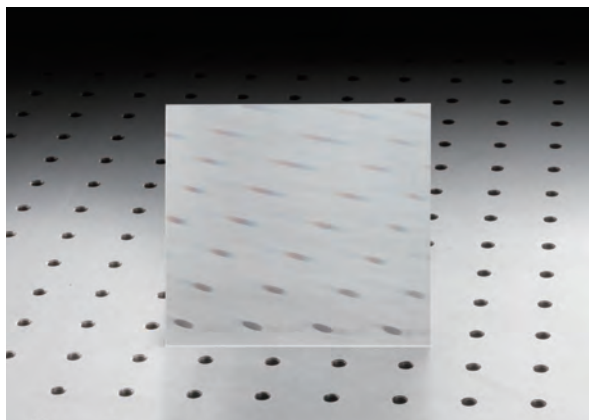
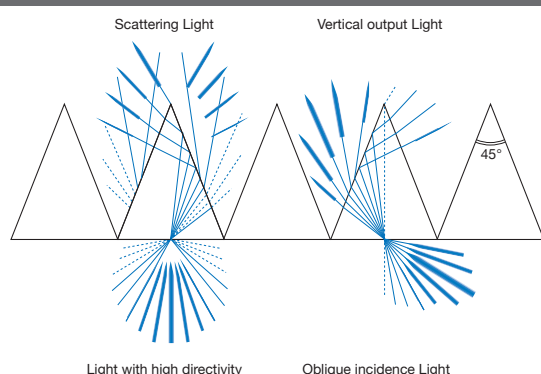


The Prism Sheet is used when changing the incident direction or diffusing a light source that is directional such as an optical device for the LCD TV or the display of the mobile terminal.

- Since the prism is processed directly to an acrylic plate of 2mm thickness, the performance is stable and not easily deformed.
- There are two types of pitch, 0.03mm and 0.05mm of the prism line.
- It can also be used as a Fresnel prism (prism plane).

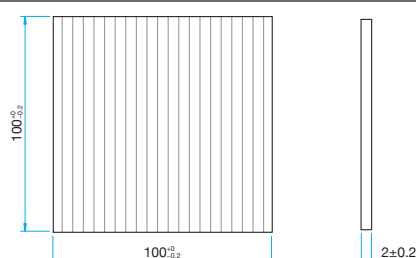


Schematic



Outline Drawing

(in mm)



Specifications

Material	CLAREX
Refractive Index	1.49
Tip Angle	45°

* CLAREX is a registered trademark of Nitto Jushi Kogyo Co., Ltd.

Guide

- ▶ The prism sheet is available at angles other than 45°.
- ▶ We also offer the production of prism sheets for other sizes on demand.
- ▶ The prism surface looks jagged when observing the reflected light. (Reflection that does not look jagged is a actual surface)

Attention

- ▶ There is a directional nature in the prism sheet. If it is desired to diffuse the light in two dimensions, please use two prism sheets crossed.
- ▶ There is a wavelength dispersion in the prism sheet. When using a small width light source such as a fluorescent lamp a chromatic dispersion (Rainbow) occurs.
- ▶ Strongly rubbing the processed surface of the prism may cause degradation of the performance. Please do not directly touch the processed surface.
- ▶ It can be deformed when exposed to high temperature of 80 degrees or more and the performance can be severely affected.
- ▶ Do not use organic solvents such as acetone and chloroform. Prism structure will be broken by dissolving.
- ▶ Product is delivered with a protection sheet affixed to the surface, please use peel it off before use.

Specifications

Part Number	Prism pitch [mm]
PRS-100S02-0.05	0.05
PRS-100S02-0.03	0.03

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Dispersing Prisms

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