

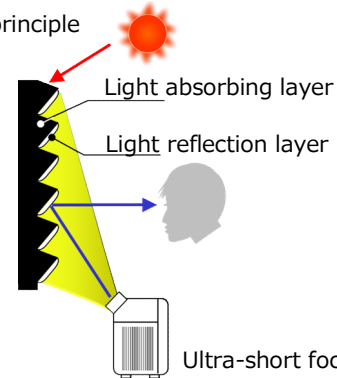
The screen for short focus projector

Arisawa inform you of the screen which has features below.

Enables a projection image with high contrast and high brightness uniformity to be appreciated in bright room.

Contrast of the prism screen is over 3 times higher than that of conventional white screen.

Fig1 Screen principle



Application

Home theater in a bright room, etc.

Characteristic

	BSP-HC	HBSP	BSP-HE	High gain type in development	White screen
Size	120" (16:9)	120" (16:9)	120" (16:9)	120" (16:9)	—
Lens Pitch	300μm	300μm	300μm	300μm	—
Lens Angle	40°	40°	40°	40°	—
Gain Value ^{*1}	0.40	0.45	0.60	0.75	1.00
Contrast ^{*2}	20	22	11	28	4
Half View Angle ^{*3}	80°	80°	80°	70°	80°
Brightness Uniformity ^{*4}	70%	70%	70%	60%	90%
Ligh-shielding Rate ^{*5}	92%	92%	80%	92%	12%

*1 : Gain Value = Brightness of screen center ÷ (Illuminance of screen center ÷ π)

※Measurement condition: Projector output is white light in dark room.

*2 : Contrast = White brightness in bright room ÷ Black brightness in bright room

※Measurement condition: Illuminance of screen center by room light is 150lx and illuminance of screen center by projector is 600lx.

*3 : Gain value is half

※Measurement condition: Projector output is white light in dark room.

*4 : Brightness uniformity = Average value of brightness around screen ÷ Brightness of screen center

※Measurement condition: Projector output is white light in dark room.

*5 : Ligh-shielding rate = (1 - Brightness of screen center in bright room ÷ (Illuminance of screen center in bright ÷ π)) × 100

※Measurement condition: Illuminance by room light is 150lx

※The above measurement result is internal use and couldn't guarantee.

※ If you have any questions, please let us know.

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