

SHORTTHROW

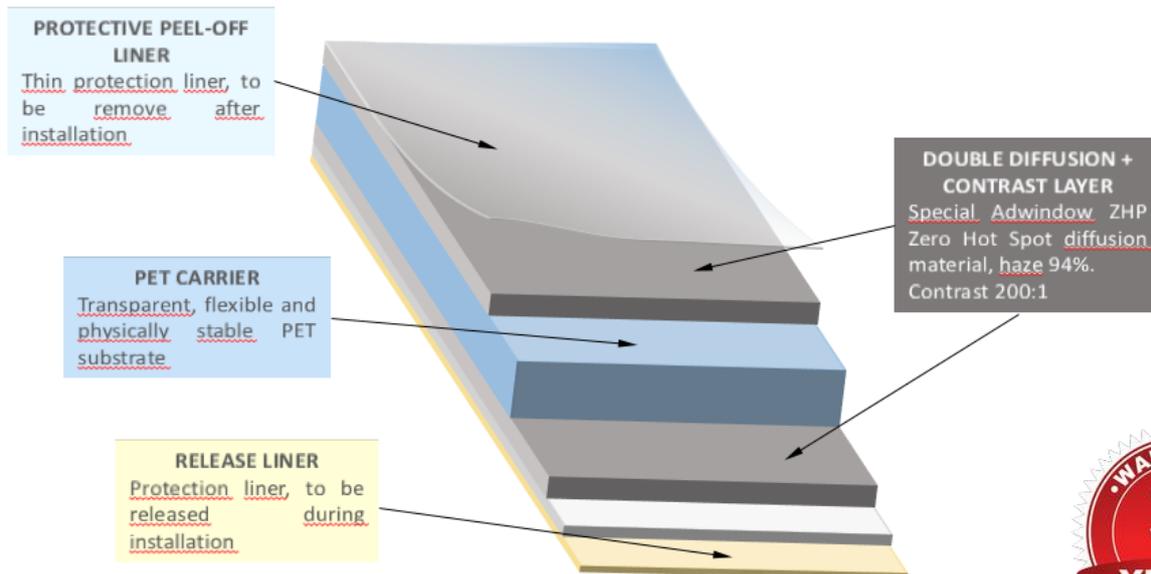
Ultra diffusion rear projection film
ZHP Zero Hot Spot technology
Made for short and ultra-short lenses

ADWINDOW
creative projection films

SHORTTHROW is a rear projection film specially made to reduce or eliminate the hot spot effect. Rear projection films are generally bright with high light transmittance, create high gain, but one of the consequence may be a halo or hot spot effect in the projection axis, and less uniformity of the screen brightness. The use of short or ultra short throw lenses and high brightness projectors can increase these issues.



SHORTTHROW has a unique structure with ADWINDOW's unique ZHP technology, a double layer of very efficient diffusion material. **SHORTTHROW** reaches a 95% of haze, while maintaining a light transmittance of more than 72%: bright pictures without risk of hot spot, and the best light uniformity upon the screen surface.



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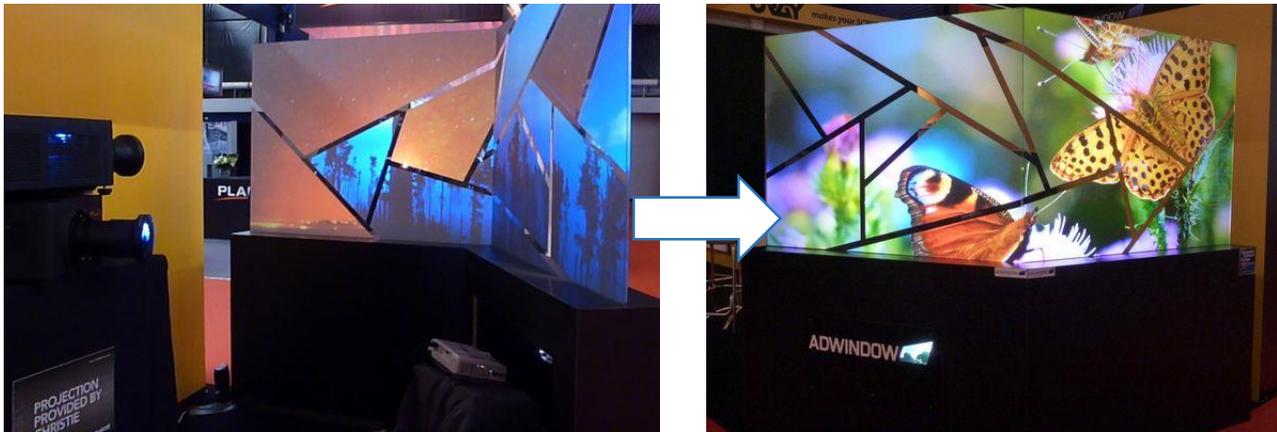
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SHORTTHROW is suitable for edge blending, and is an all-terrain rear projection film for high end indoor installations: museums, exhibitions, trade shows, show rooms...

As Short-Throw (ST) and Ultra Short-Throw (UST) lenses and projection are spreading in the market, we developed a range of three contrast versions for fitting with any Project. **SHORTTHROW** exists in neutral White, light Grey and Black contrast levels. **SHORTTHROW** always delivers the brightest crispy pictures for a maximum impact.

SHORTTHROW has also a low gain level. It is then suitable for edge blending and multi-projectors installations. This feature opens the viewing angle to up to 170°, and create a strong uniformity and permanence of quality even if the viewers does stand right in front of the screen.



Projector 10K lumens with 0,8 lens + Adwindow ZHP Shortthrow

SHORTTHROW is part of Adwindow Screens Reseller Range, and is then a permanent stock product for immediate availability.

Resources and videos: <http://www.adwindowscreens.com>

Sizes and brightness calculator: http://www.adwindowscreens.com/the_calculator/

Installation guide: [DOWNLOAD USER GUIDE](#)



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CLASS	COLOUR	USE	APPLICATIONS
Rear projection Off- or on axis mount Low gain	Grey / White / Black NO see-through No glare	Short throw Edge blending Indoor	All terrain indoor Museums, exhibitions Trade shows

THICKNESS (MICRONS)	VISION ANGLE (20% brightn. loss)	TRANSMITTANCE %	HAZE %	PEAK GAIN	USAGE TEMP./ HUMIDITY	FIRE CLASS
150 my	170°	72 %	94 % +/- 3%	2	0° – 60° 0% - 80%	M1

INSTALLATION

BACKUPS: glass, acrylic

Recommended installation: ON or OFF AXIS

Recommended projection angle: no mandatory, but ok up to 35°

Multi-pieces for large screens: YES, side by side without overlap

Short- and ultrashort-throw: YES, within projector's manual sizes limits

ROLL

Adhesive: STIKI pressure sensitive, high tack, optically clear – Acrylic base

Optional adhesive: KITAPON cling / FLIXO non adhesive semi-rigid backup

Roll width: 122cm



Standard rear projection



Adwindow ZHP rear projection

