

Anti-Reflection Film Moth-eye Type

Optical film with fine microstructures, like a moth's eye, to achieve high light transmittance and low reflection

■ Product Name ME1-T050P-510P

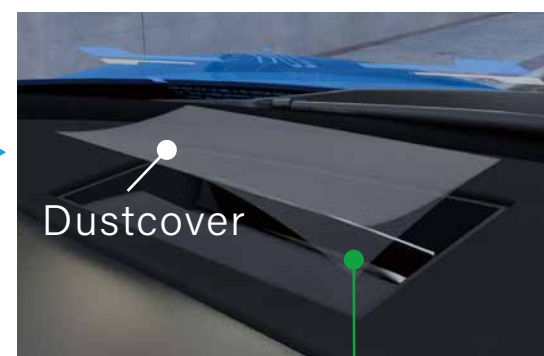
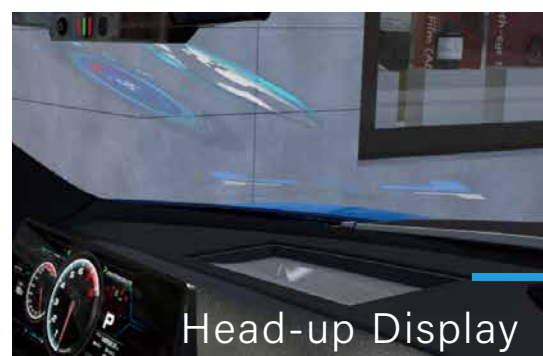
■ Features



- Stable low reflectance and high transmittance over the whole wavelength range of visible light
- Neutral color

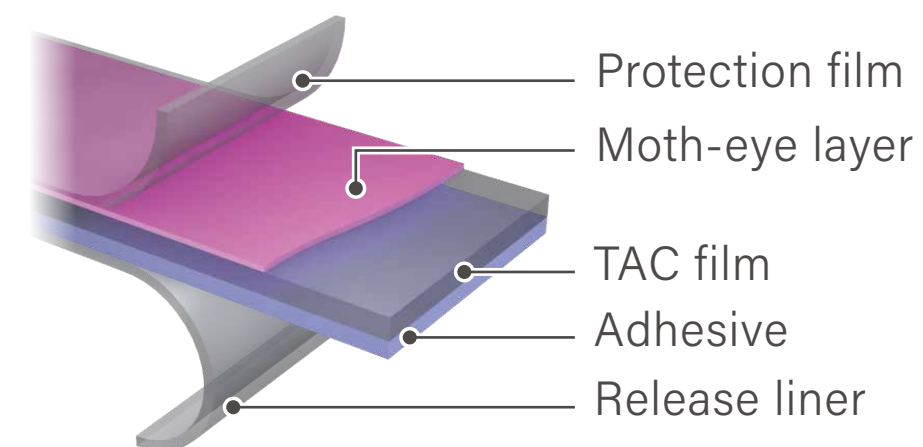
■ Applications

Suitable for head-up displays, on-board infotainment displays, instrument clusters

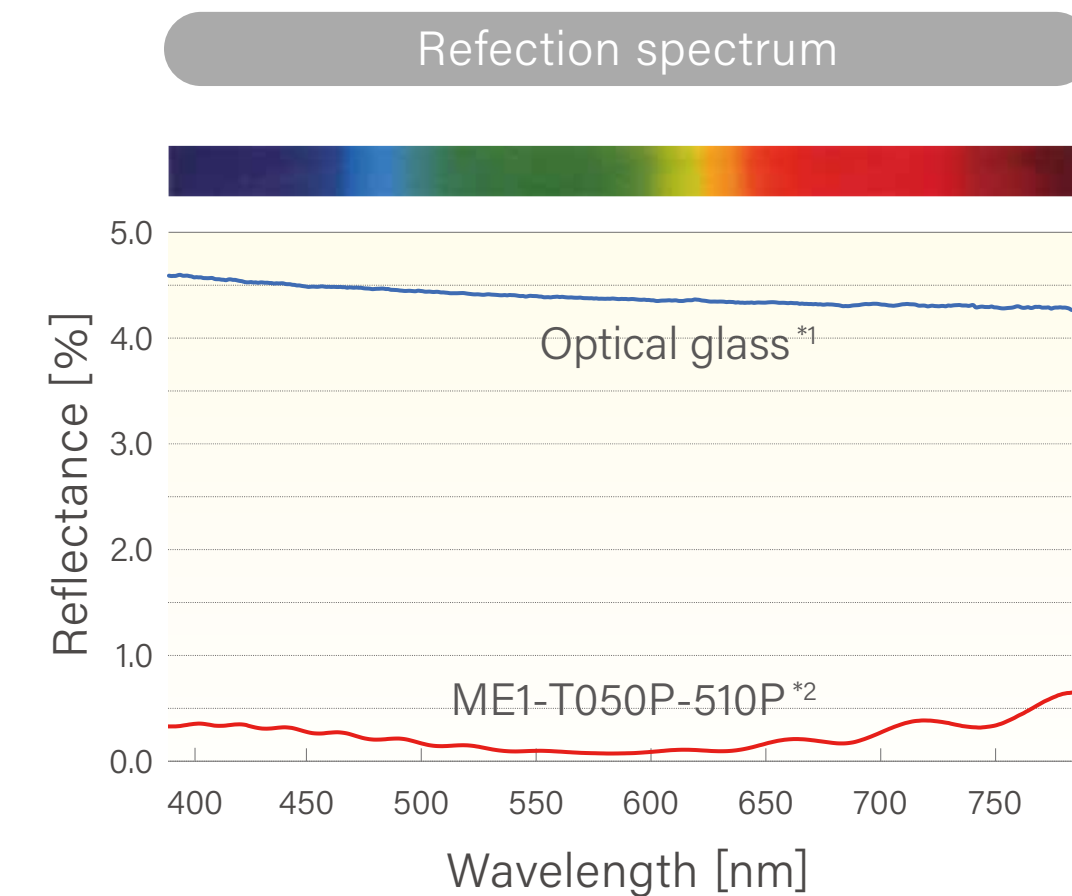


Anti-reflection film (ARF)
moth-eye type

■ Structure

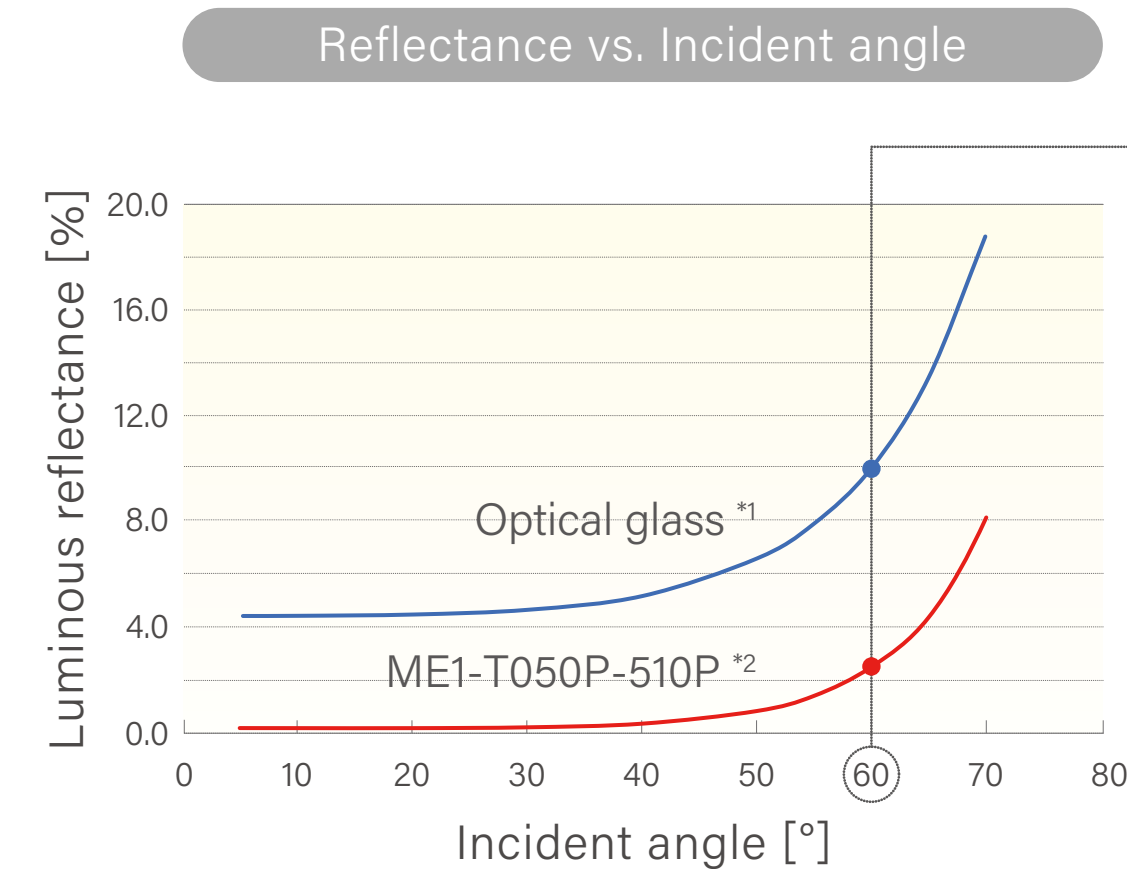


■ Properties

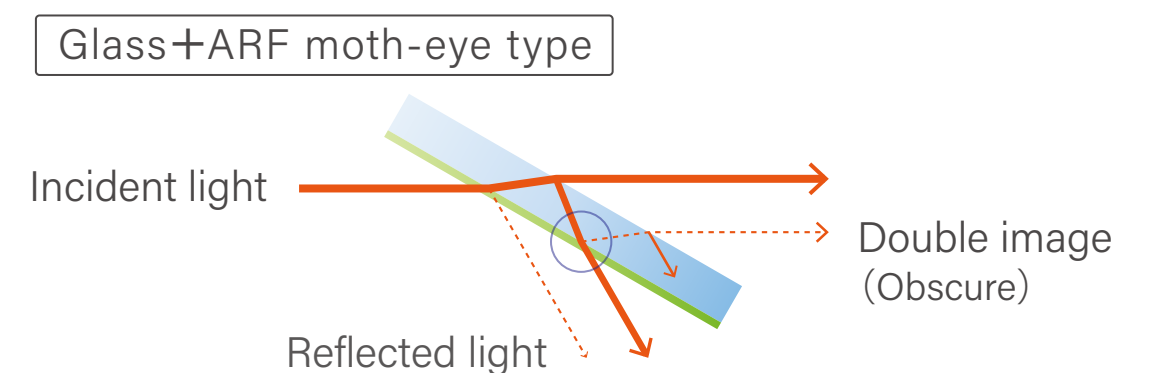
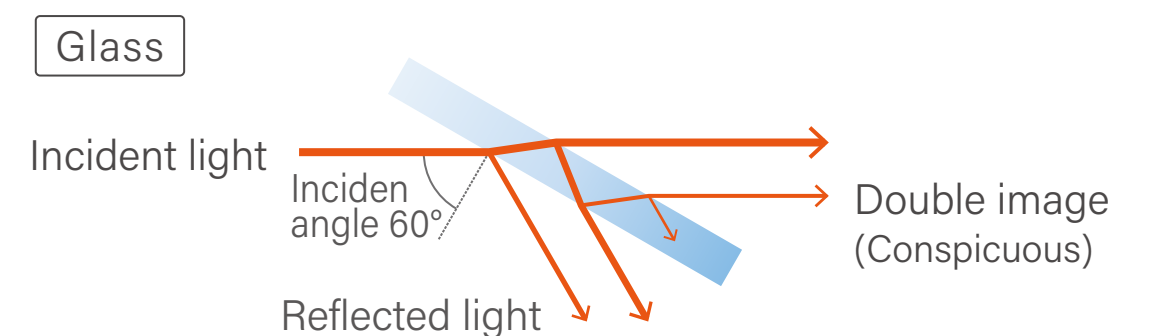


〈 Test condition (*1) 〉
Specimen : Optical glass Equipment : V-650 (JASCO Corp.)

〈 Test condition (*2) 〉
Equipment : U-4100 (Hitachi High-Tech Science Corporation)

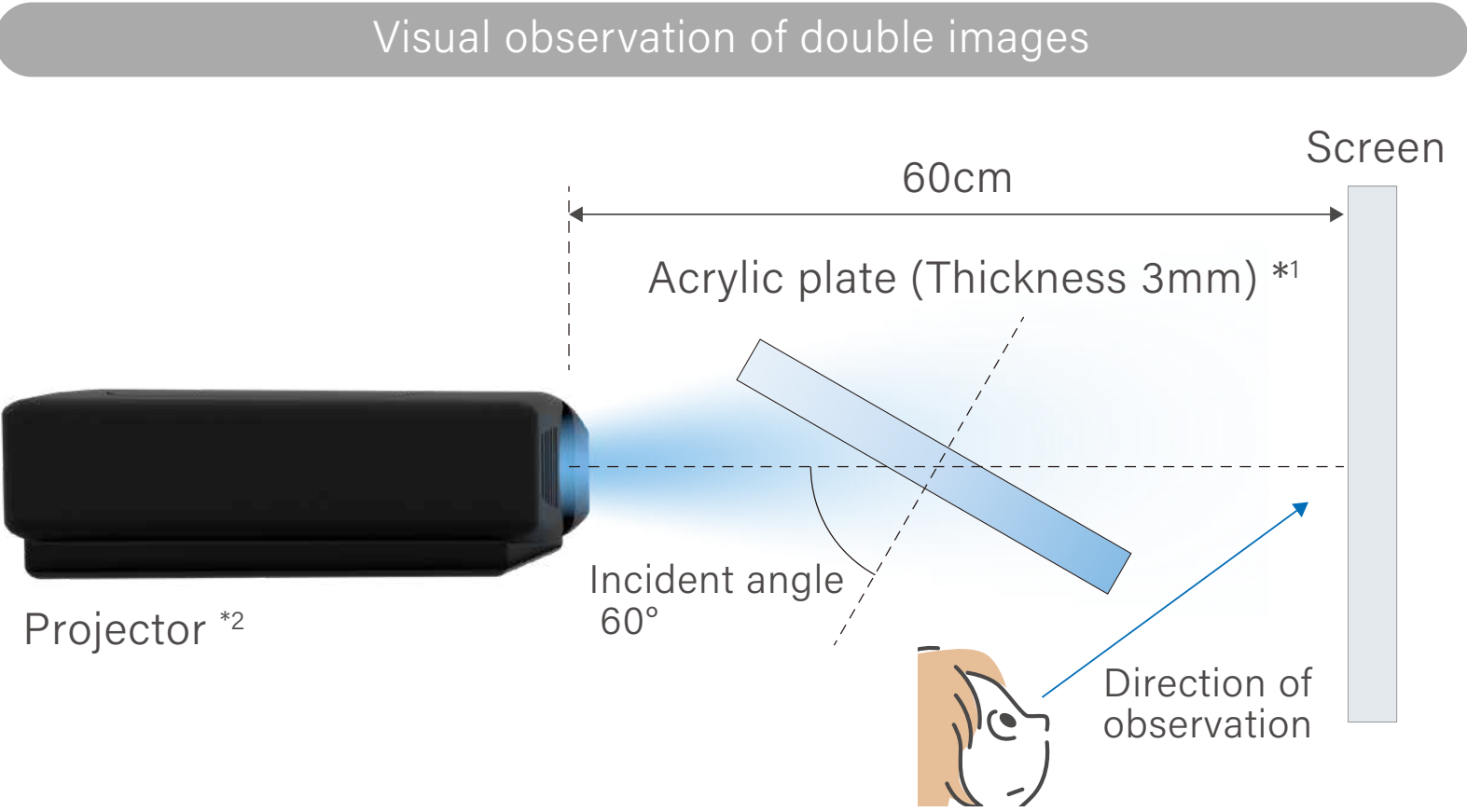


Schematic illustration of double images by multiple reflection (Light path image at incident angle 60°)



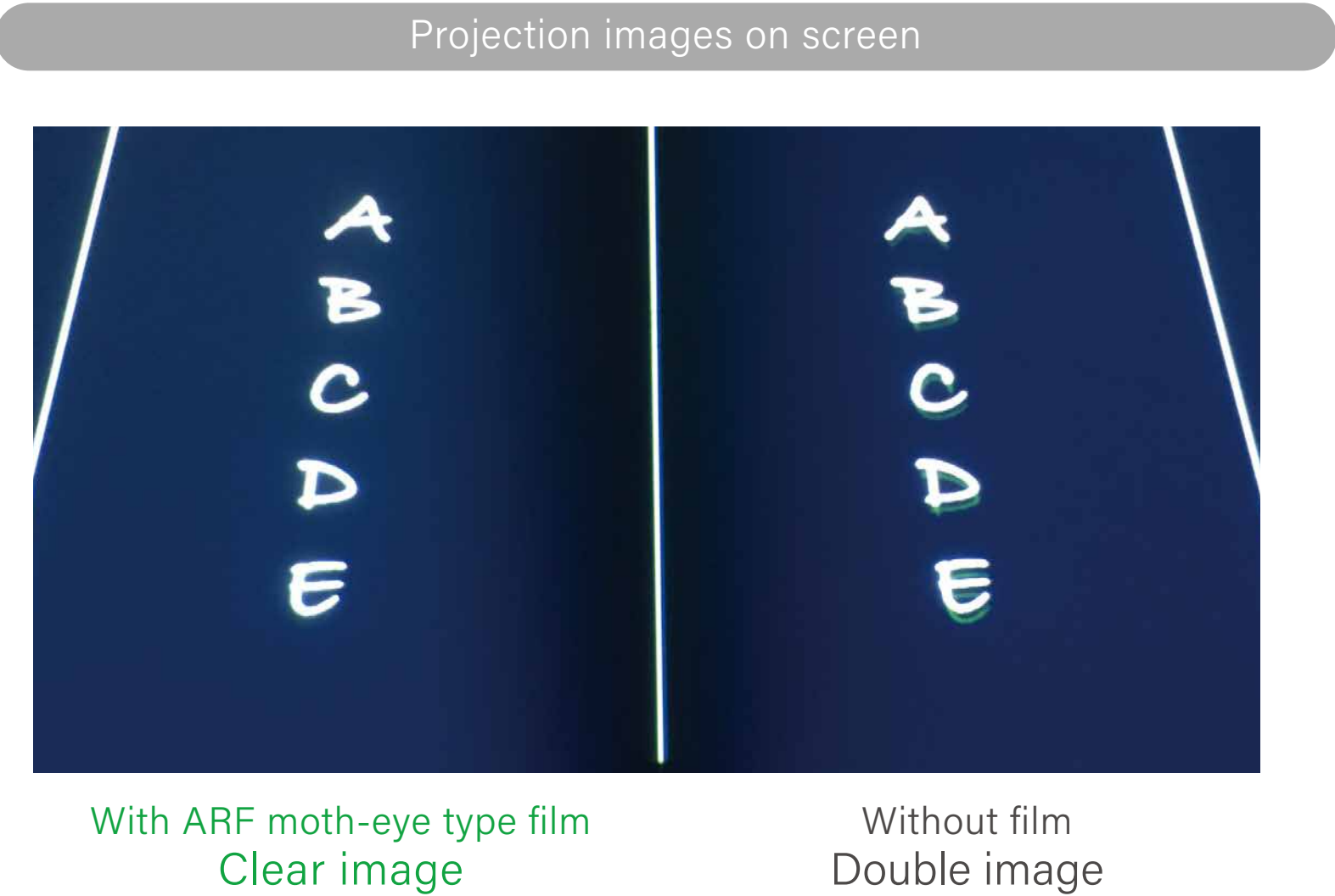
Reflection on the blue circled surface is smaller, which eliminates the problem of double image.

Improvement of projection image



*1 : Settled at incident angle 60°
ARF moth-eye type film is laminated on the half of the surface on Incident light side.

*2 : Brightness 3300 lm (Data on catalog)



Specifications

Item name		ME1-T050P-510P	Test condition
Luminous reflectance	%	0.2	JIS Z8722
Hue of reflectance	a*	0.3	JIS Z8781
	b*	0.3	
Haze	%	0.2	JIS K7136
Total transmittance	%	95.3	JIS K7361
Hue of transmittance	a*	0.0	JIS Z8781
	b*	0.3	

This product is prone to scratches and stains. We recommend thoroughly examining the surface of your product before attaching the film to it.

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The document was created in September 2021.