

**Nightshield® NSX plastic filter sheet material**  
Engineered for NVIS-compatible capacitive  
touchscreens and touchpads

- Flexible and durable
- Simple to cut and apply
- Wide selection of optical parameters
- Anti-glare surface

## Nightshield® NVIS touchscreen filters for digital tablets and smartphones



Drawing on its pioneering experience in NVIS-compliant light filtering, Esterline has engineered *Nightshield* NSX plastic sheet filters for touchscreens in commercial aviation, medicine, search and rescue, law enforcement, and defense. Our filters can be applied to any touchscreen device, preventing interference with a pilot's or ground-equipment operator's night-vision goggles.

*Nightshield* NSX filters are available in bulk sheets or fabricated to precise dimensional specifications to fit virtually any illuminated tablet, smartphone, or other handheld device, even defibrillators. Our NSX material is further enhanced by an anti-glare matte finish and a surface that is smooth to the touch, perfect for touchscreen ergonomics.

Advantages include:

- Ideal for any hand-held, fixed-mount, or carry-on equipment with a backlit touchscreen interface
- Available in a variety of colors, thicknesses, sizes, and other options
- Available in flexible sheets that can be cut with scissors for quick retrofit of air or land applications
- Engineered for temperature extremes from -55 to +85 degrees C
- Suitable for the toughest environments and qualified to many Mil-STD specs

A library of available filters specifications lets you quickly choose your desired configuration and streamlines the ordering process.

We make it easy to do business: simple-to-procure, cost effective, high-performance touchscreen filters with short lead time in any configuration, any quantity.

# Nightshield touchscreen filters: typical applications

The tables below illustrate typical filter types for Apple iPad, iPad Mini, and iPhone devices. Other filter types and configurations are available for any portable or mounted touchscreen device. Please contact us for details.

## VAR-001: 22-percent photopic transmission

Nightshield filter part number	Filter type	Device
49303-001	Anti-glare	iPad/iPad2
49303-002	Anti-glare: reusable adhesive	iPad/iPad2
49303-003	Anti-glare: permanent adhesive	iPad/iPad2
49303-133	Uncut sheet material	iPad/iPad2
49303-201	Anti-glare	iPad Mini
49303-202	Anti-glare: reusable adhesive	iPad Mini
49303-303	Anti-glare: permanent adhesive	iPad Mini
49303-104	Uncut sheet material	iPad Mini
49303-303	Anti-glare	iPhone
49303-302	Anti-glare: reusable adhesive	iPhone
49303-303	Anti-glare: permanent adhesive	iPhone
49303-104	Uncut sheet material	iPhone

## VAR-004: 28-percent photopic transmission

Nightshield filter part number	Filter type	Device
47537-001	Anti-glare	iPad/iPad2
47537-002	Anti-glare: reusable adhesive	iPad/iPad2
47537-003	Anti-glare: permanent adhesive	iPad/iPad2
47537-133	Uncut sheet material	iPad/iPad2
50007-001	Anti-glare	iPad Mini
50007-002	Anti-glare: reusable adhesive	iPad Mini
50007-003	Anti-glare: permanent adhesive	iPad Mini
47537-104	Uncut sheet material	iPad Mini
50008-001	Anti-glare	iPhone
50008-002	Anti-glare: reusable adhesive	iPhone
50008-003	Anti-glare: permanent adhesive	iPhone
47537-104	Uncut sheet material	iPhone

## VAR-003: 8-percent photopic transmission

Nightshield filter part number	Filter type	Device
47989-001	Anti-glare	iPad/iPad2
47989-002	Anti-glare: reusable adhesive	iPad/iPad2
47989-003	Anti-glare: permanent adhesive	iPad/iPad2
47989-133	Uncut sheet material	iPad/iPad2
50051-001	Anti-glare	iPad Mini
50051-002	Anti-glare: reusable adhesive	iPad Mini
50051-003	Anti-glare: permanent adhesive	iPad Mini
47551-104	Uncut sheet material	iPad Mini
47989-301	Anti-glare	iPhone
47989-302	Anti-glare: reusable adhesive	iPhone
47989-303	Anti-glare: permanent adhesive	iPhone
47989-104	Uncut sheet material	iPhone

## Disclaimer

Users of *Nightshield* products should run their own tests to determine the suitability of each such product for their particular purposes. Data provided here falls within the normal range of product properties but should not be used to establish specification limits or used alone as the basis of design. Esterline may change the properties of these filters without notification to our customers. Customers are encouraged to submit specifications for custom requirements.

For more information about *Nightshield* touchscreen filters, please contact us at 425-297-9700 or [korry.techinfo@esterline.com](mailto:korry.techinfo@esterline.com).

Esterline  
11910 Beverly Park Road  
Everett, WA 98204  
425-297-9700  
[www.esterline.com](http://www.esterline.com)

**Esterline**  
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