

PMMA / Acrylic Solaris™

Perfect optical cast acrylic material



From producing our own cast acrylic material, we have accumulated extensive knowledge of the properties of PMMA. This makes it possible for us to create material that is nearly flawless and efficiently blocks all but the required wavelengths. Our line of acrylic is called Solaris™ and it is recognized for its outstanding optical and mechanical properties.

The Solaris™ sheets are made in float glass casts, resulting in a perfect optical surface without any distortion of the display signal, all undergoing continuous quality control according to international standards.



Solaris™ Clear

The clear Solaris S000 is an optical grade cast acrylic material with outstanding optical and mechanical properties.

It forms the ideal base material for display window solutions where optical performance, high light transmission, low weight, thickness uniformity and easy machining are of the essence.

All Solaris S grades contain UV-absorbing material, blocking efficiently up to approx. 400 nm.



Solaris™ LS – Adding Design „Coolness“

In a Solaris™ Clear we can integrate a light guiding material. This filter we call Solaris™ LS. It gives a unique bluish tint, adding elegance to design solutions, without sacrificing transmittance.

YOUR CONNECTION TO OPTIMUM SERVICE AND QUALITY

Thonauer GmbH Perfektastraße 59 | 1230 Wien | Austria | +43 1 804 28 71-0 | info.vie@thonauer.com | www.thonauer.com
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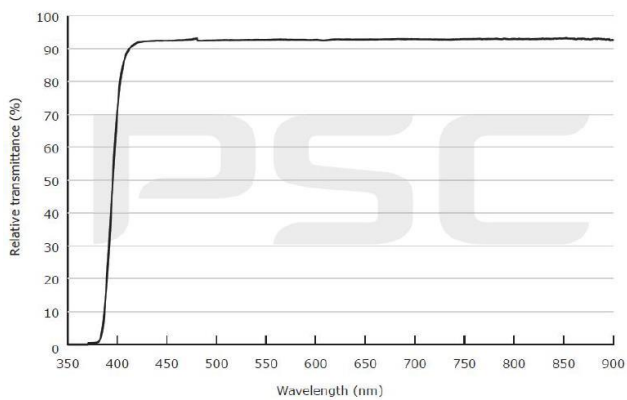
Änderungen der technischen Daten, Irrtum und Druckfehler vorbehalten.

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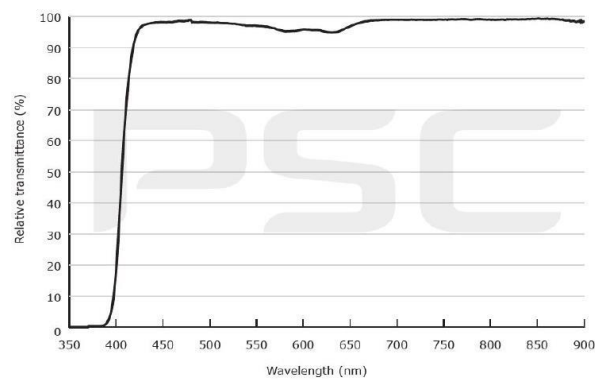
Technical Data

- 92% light transmittance
- Standard thickness from 0,5 to 4,0 mm
- Tolerances down to +/- 0,1 mm
- UV-block up to 400 nm

Solaris S000



Solaris LS001



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Solaris™ S Colour und Solaris™ VFD

Transparent, coloured, optical filters used for contrast enhancement, colour conversion, or colour correction in displays using e.g. VFD, LCD, or LED technology.

Properties of Solaris S Colour

Solaris™ S optical filters are used to control or manipulate the light emitting from a display. This is done by adapting the filter's transmittance characteristic, to the colour of the light emitted from the display.

An important distinction is made between broad-band and selective filters. Broad-band filters are basically gray-shaded filters which allow for the transmittance of all light (colours). They are therefore often used in applications in which contrast enhancement is required without loss of the full colour spectrum. Selective filters are designed to only transmit specific wavelengths of the light, i.e. specific colours.



Selective filters are especially suitable for applications requiring colour correction and contrast enhancement of monochrome displays.

Properties of Solaris™ VFD

PSC has developed and selected more than 20 different colours for Vacuum Fluorescent Displays (VFDs) and offers an extensive range of ColourMatching services. .

Using proprietary computer-based C&L® simulation software, PSC can calculate and create coloured filters and Colour Conversion Filters meeting almost any customer specified colour or chromaticity target.



Technical Data

- More than 60 standard colours optimised for various types of displays
- Standard thickness from 0,5 bis 4,0 mm
- Tolerances down to +/- 0,1 mm
- UV-block up to 400 nm

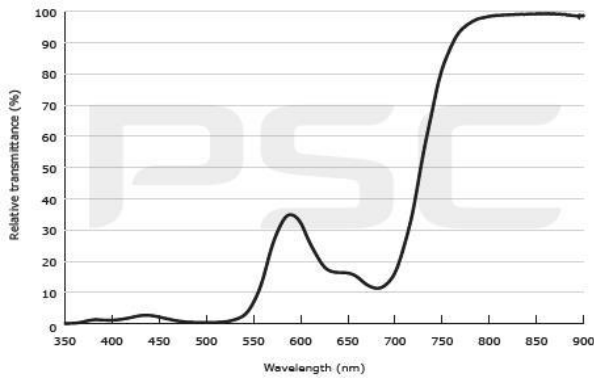
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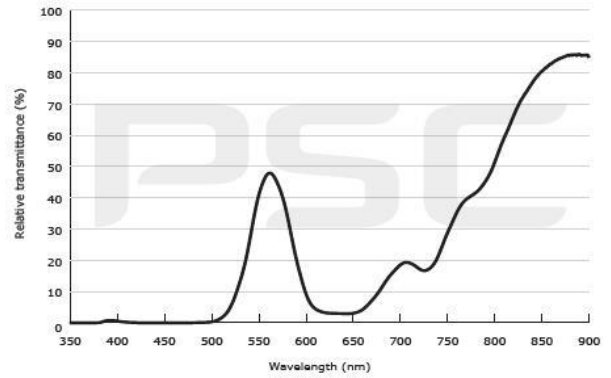
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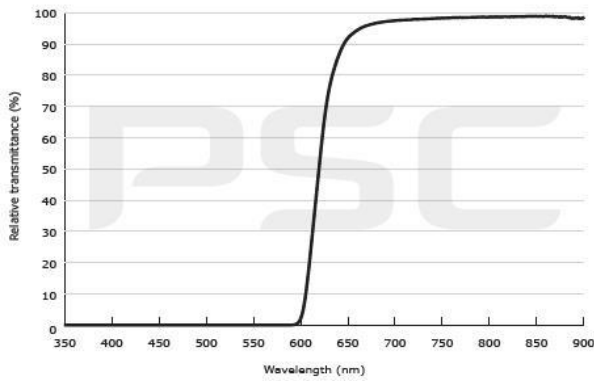
Solaris VFD S106



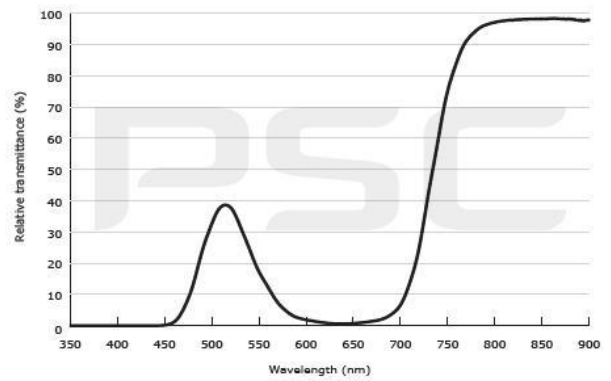
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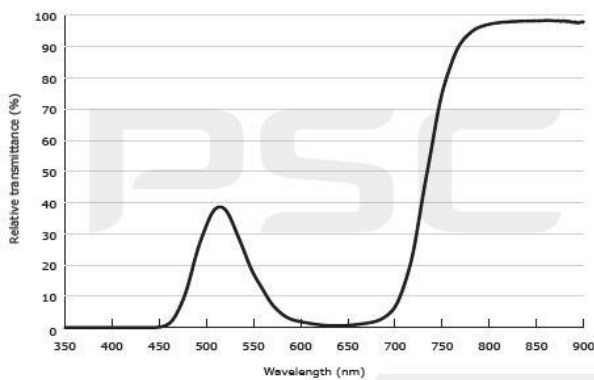
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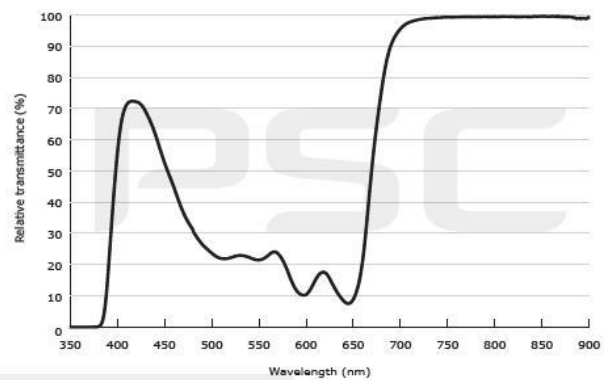
Solaris VFD S140



Solaris VFD S142



Solaris VFD S202



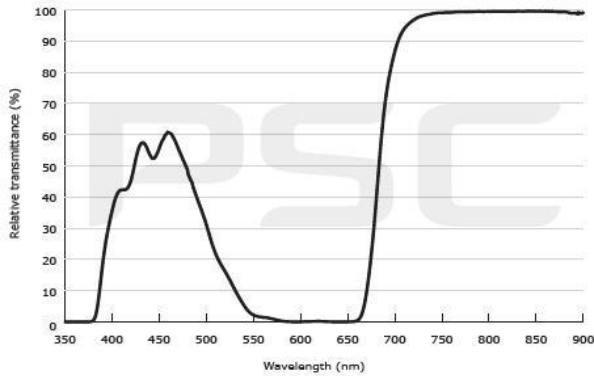
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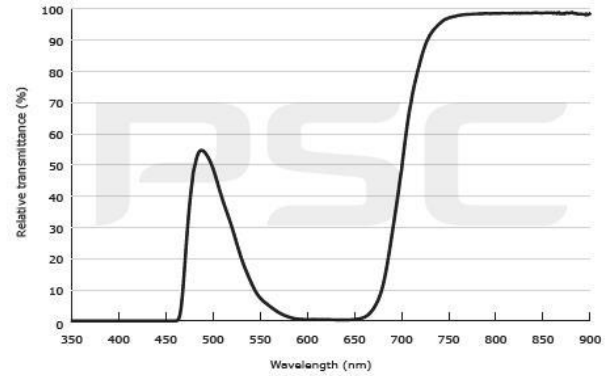
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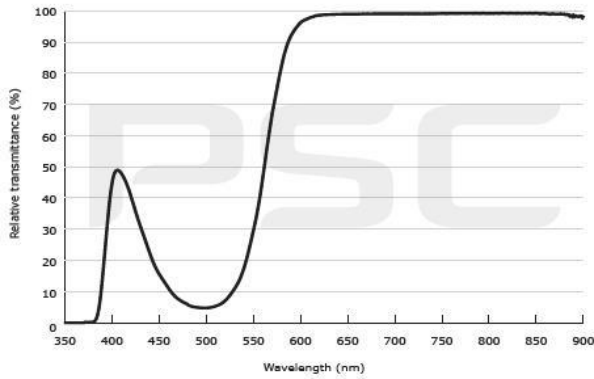
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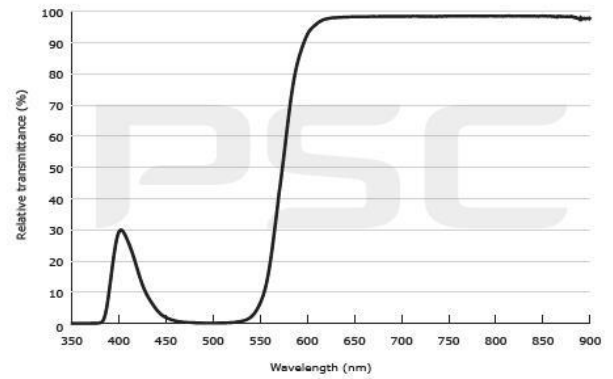
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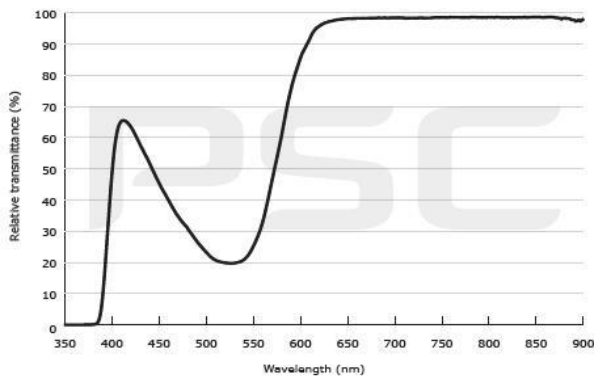
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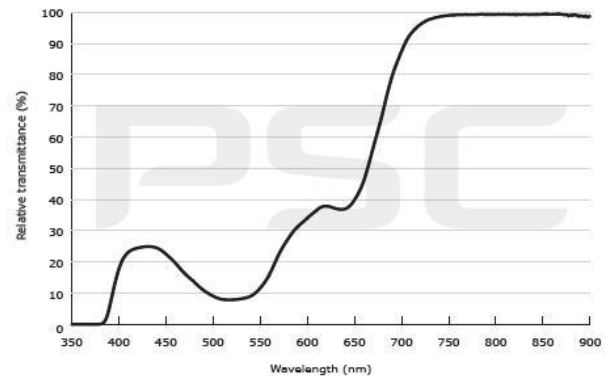
Solaris VFD S722



Solaris VFD S727



Solaris VFD S728



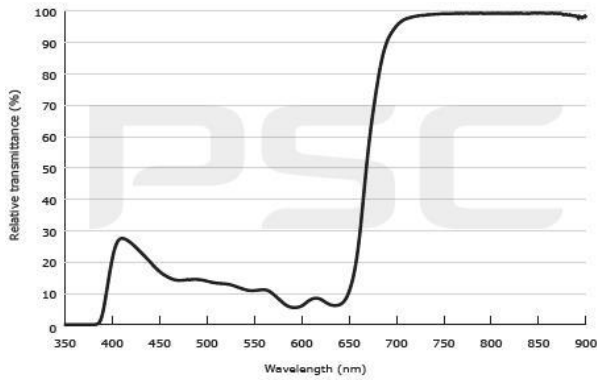
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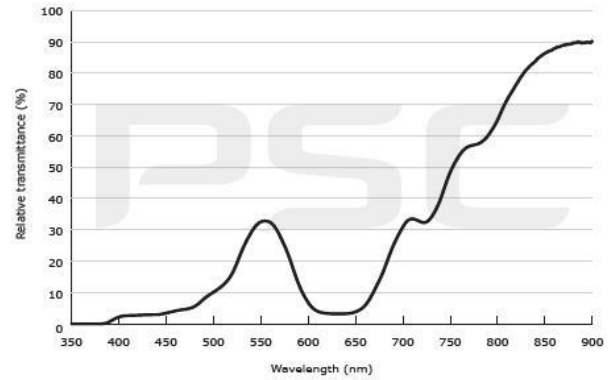
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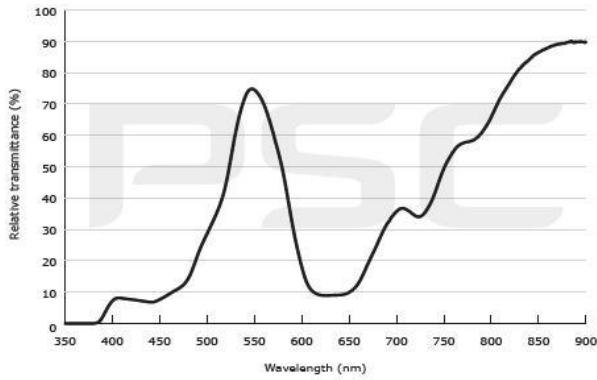
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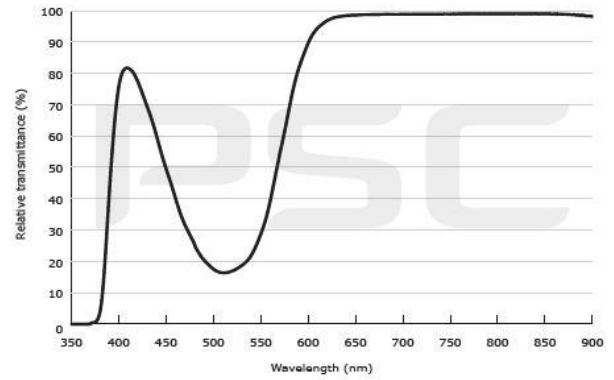
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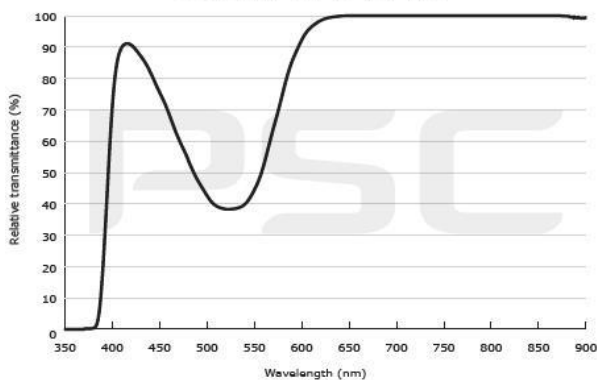
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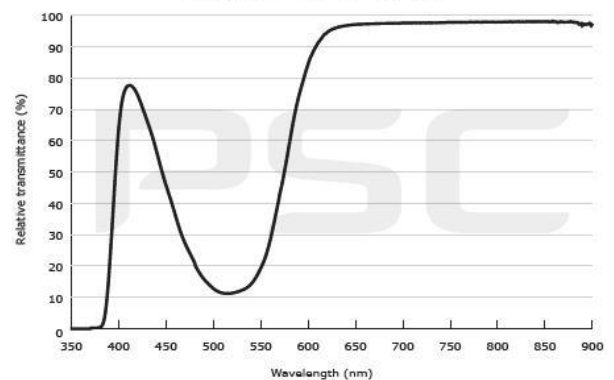
Solaris VFD S742



Solaris VFD S743



Solaris VFD S745



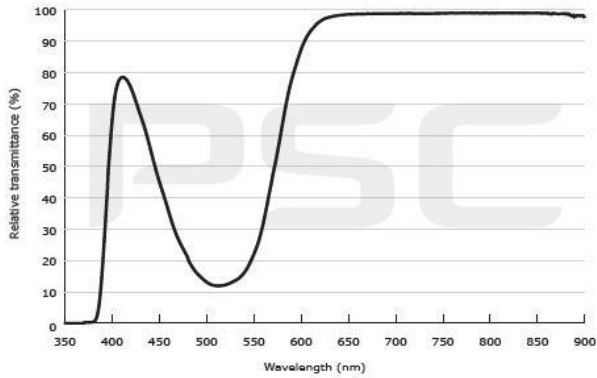
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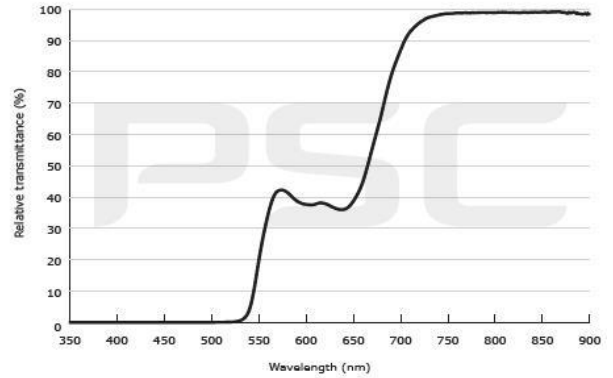
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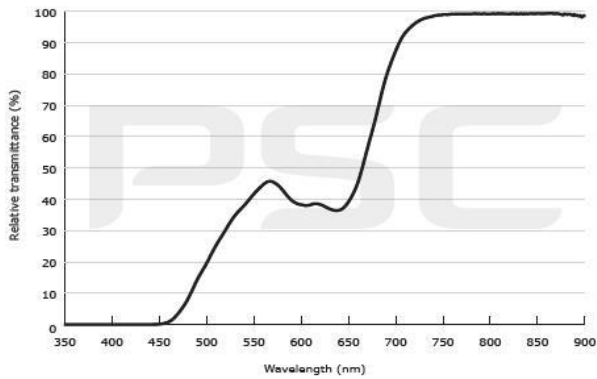
Solaris VFD S746



Solaris VFD S751



Solaris VFD S752



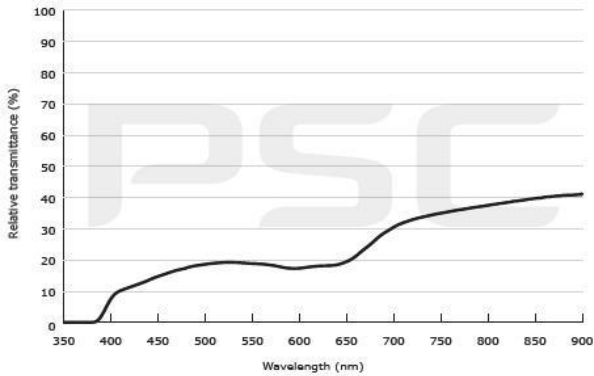
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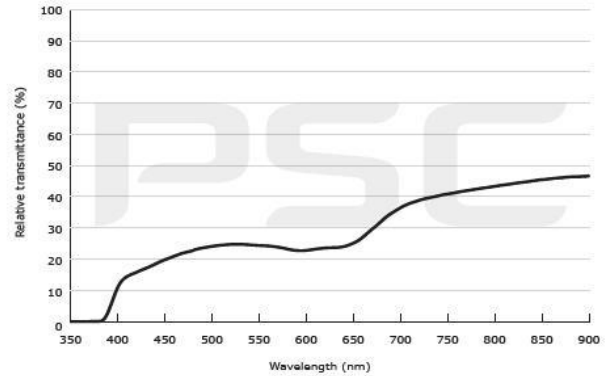
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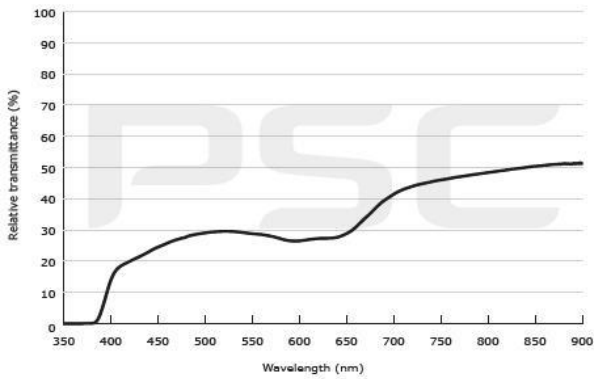
Solaris VFD ND20%



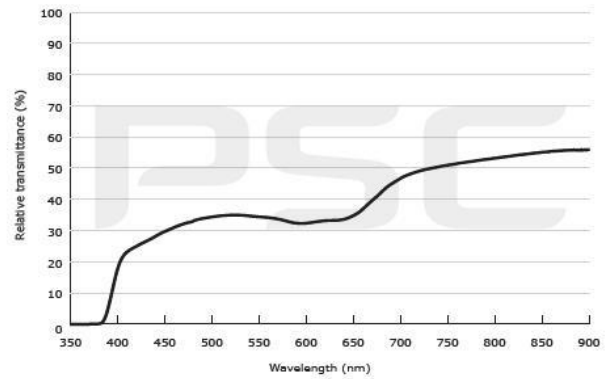
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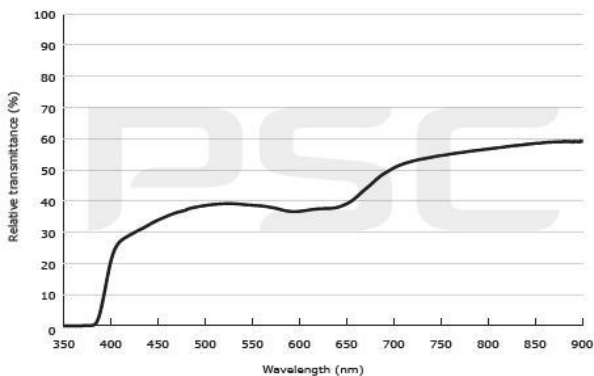
Solaris VFD ND30%



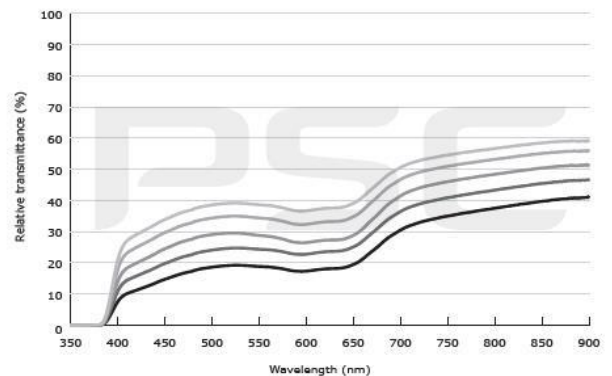
Solaris VFD ND35%



Solaris VFD ND40%



Solaris VFD ND20-40%



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