

AMP® Dichroic Filter Guide

Product Description

Dichroic filters are inserted over a light source. Two types are available - Color Temperature Correction (CT) and Colors. CT filters are used to shift a white light from one color temperature to another - the resulting light is still classified as white but it's character becomes more or less yellow (warm) or blue (cool). Dichroic filters do not fade and can be added and removed as needed. The designer should keep in mind that perceived brightness of the resulting light will be less than without filtering. When using these filters, select lamps of higher light levels. It's always best to test the effect of colors before committing to them for a project.

Model #		Product Name	Applications
2" Diameter	3" Diameter		
Dichroic Color Temperature Correction Series			
VLS-3411-OR-22	VLS-3411-OR-3	2700K-2000K. 3/4 Color Temperature Orange (CTO)	Converts warm white to a slight yellowish orange, meant to simulate sodium lights (often used for street lighting) or to provide a simulated candle light for romantic or subdued settings.
VLS-3204-BL-2	VLS-3204-BL-3	2700K-3000K. 1/2 Color Temperature Blue (CTB)	Converts warm white to a slightly cooler white, preferred by some designers for overall lighting - tends to enhance green and blue colors, but is perceived as less welcoming by some.
VLS-3203-BL-2	VLS-3203-BL-3	2700K-3300K. 3/4 Color Temperature Blue (CTB)	Converts warm white to a cooler white, enhances green and blue colors but is overly cool for general lighting. Sometimes used for moonlighting and making bluish-green plants pop.
VLS-3202-BL-2	VLS-3202-BL-3	2700K-3700K. Full Color Temperature Blue (CTB)	Converts warm white to a cool white, primarily used for moonlighting and making bluish-green plants pop.
Dichroic Color Series			
VLS-1002-AM-2	VLS-1002-AM-3	Amber	Commonly used as a warm accent or fill light on statuary and architectural features. A common approach for statuary would be to use a white light as the key light, amber light to fill shadowed areas, and blue light as a backlight. Amber is also effective as a backlight for columns or for inside cupolas.
VLS-5600-OR-2	VLS-5600-OR-3	Candle Light Orange	Changes the color of the light making it much warmer - similar to candlelight. This light can be effective for romantic settings, or for warm accents on statuary or architectural features such as inside pergolas or cupolas.
VLS-1059-IN-2	VLS-1059-IN-3	Indigo	This lens is excellent as a backlight for statuary or architectural features. It produces an ethereal or otherworldly feeling, and can add emotional depth to a design.
VLS-4954-GR-2	VLS-4954-GR-3	Leafy Green	This filter is used when a green effect is needed or for a holiday or other special effect application.
VLS-1048-PU-2	VLS-1048-PU-3	Purple Fusion	Used for dramatic effects to elicit romantic, mystical, or bold feelings. When projected on plant material, the effect can be dreamlike. On statuary, the effect can be otherworldly. On architecture, the effect can make a bold statement to shock, surprise, or inspire. Bold colors like this can be added to draw attention (or add energy) to an event such as a wedding or birthday party.
VLS-6100-RD-2	VLS-6100-RD-3	Rich Red	This filter is used when a red effect is needed - most commonly used for holiday or other special effect applications.
VLS-5100-BL-2	VLS-5100-BL-3	Sky Blue	This filter is used when a blue color is needed for a holiday or other special effect application. Dramatic effects can be achieved with this filter for backlighting columns, statuary, and water features.