

SeaChanger Color Engine for Wash Lighting

Highlights

Multiple Controls. Control via 4-channel DMX, from RDM devices, or manually

Easy Installation. Attach to any ETC Source Four Ellipsoidal reflector housing

Silent Operation. Patented technology means no cooling needed, no noisy fans

Expanded Color Gamut. "Extreme Green" Filter Wheel dramatically expands the color gamut

Durable Materials: Dichroic filters do not fade or degrade with time or temperature

Zoom Feature. Adjusts focal length to make wash area large or small



Turn Your Source Four Ellipsoidal into a Dichroic Wash Light

The SeaChanger Wash Color Engine is a novel CYMG hexachromatic color changer that turns your ETC Source Four Ellipsoidal into a dichroic wash light. The SeaChanger Wash provides soft illumination and seamless color transitions for theatrical, worship and architectural applications. The SeaChanger Wash is a self-contained unit with an internal power supply and 4-channel DMX control.

DMX512, RDM & Manual Control

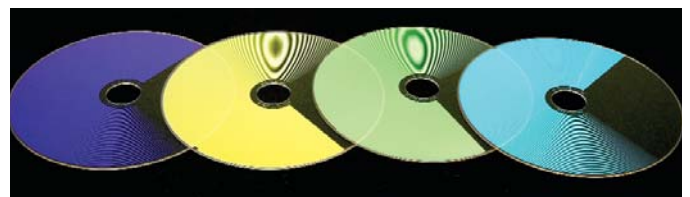
The SeaChanger Wash has an internal power supply. You can operate the SeaChanger Wash from a 4-channel DMX512 controller, from an RDM device, and from the SeaChanger Wash's front-panel membrane keypad with 3-digit LED display.

Simple Installation, Maintenance-Free

The SeaChanger Wash attaches to the lamp housing of your Source Four (Source Four with lamp housing not included with purchase of SeaChanger Wash). With its convenient bayonet mount, the installation is quick and efficient. Simply transfer the Source Four's yoke onto the SeaChanger Wash for suspension. (An optional extended 16.5" yoke for down lighting is available.) With the SeaChanger Wash, there are no burned, broken or jammed gel strings to replace and periodic cleaning is as easy as removing a few setscrews.

Shhh . . . Can You Hear That?

The SeaChanger Wash operates silently. That's because its dichroic filters are so robust that noisy cooling fans -- so distracting with gel scrollers -- aren't necessary.



See Color in a Whole New Light!

Patented "Extreme Green" Filter

The SeaChanger Wash has four patterned dichroic filters -- cyan, yellow, magenta and a patented xG "Extreme Green" trichromatic RGB filter. The xG filter extends the CYM color gamut, enabling you to create deep blues, rich reds and vibrant greens. The xG filter also adds "natural" overtones and nuance to the standard CYM palette, creating a new dimension in realistic scenery lighting. Though the xG filter wheel is standard, a variable neutral density dimmer filter wheel is available in its place.

Filters Resist Heat & Humidity

Our patented coatings method allows us to create micron-scale precision patterning of dichroic coatings on a single color wheel, with resolution, transmission efficiency and durability that's far superior to dye-colored gels and other technologies. Our filters are so hardened they are essentially ceramic in nature, making the filters resistant to heat and humidity and eliminating the need for noisy cooling fans.

Color-matching Products

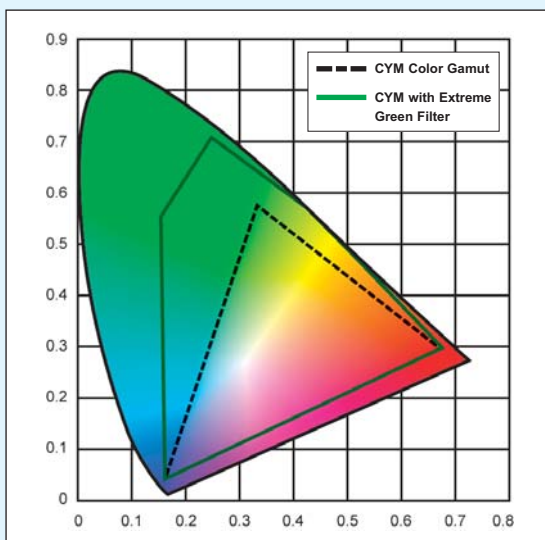
Ocean Optics manufactures optical-sensing components to measure the color of any filter, reflective surface or light source; to calculate the CIE coordinates; and to provide DMX settings to duplicate the experience with the SeaChanger Wash.

Specifications

Ambient temperature:	113 °F (45 °C) maximum
Size/weight:	Approximately 7.0" x 11.5", 12 lb.
Power input:	110-250 VAC, 50/60 Hz, (auto-sensing), non-dimmed circuit
Power supply:	Onboard, internal 5 V, 50 W switching mode PS
Control:	8-bit DMX512 controller via 5-pin male and female XLR; RDM device per ANSI E1.20-2006; Front panel membrane keypad with LED numeric display
Channels:	DMX start address set via RDM or onboard display: Channel 1 – Cyan, 0-95% saturation Channel 2 – Magenta, 0-95% saturation Channel 3 – Yellow, 0-95% saturation Channel 4 – Standard xG (RGB) filter, 0-99% saturation Channel 4 – Optional patterned AI douser, 0-99% dimming Channel 4 – Optional custom dichroic filter
Color mapping:	Nearly infinite color mapping within a gamut of the CIE triangulated color space; gamut extended by xG (RGB) filter
Speed:	0.3 seconds average from clear to full saturation
Barndoor compatibility:	Yes
Lamp compatibility:	575 W or 750 W HPL lamps
White light output:	9,500 lumens total system output
Color filters:	Dichroic patterned CYM and xG (RGB) coatings on optical glass substrates, BBAR coated, in-band transmission >98%
Maintenance:	Easy color engine removal for cleaning; safety cable ring; 3' safety cable included

Source Four is a registered trademark of Electronic Theatre Controls, Inc. (ETC). Neither Ocean Optics nor the SeaChanger Wash is affiliated with ETC.

CYM vs. xG Extreme Green
1931 Standard Observer
Chromaticity Diagram



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