

- *Seamless dichroic color mixing*
- *Silent operation*
- *Maintains Gobo focus*
- *Hard edged intense color output*
- *Energy efficient*
- *Replaces banks of gelled fixtures*



PROFILE

The SeaChanger Color Engine for Profile Lighting is fully compatible with ETC (Electronic Theater Controls, Inc.) Source Four® Ellipsoidals. This self-contained fixture has an internal power supply, 4-channel DMX control and RDM capability. Aside from its remarkably robust filters, what distinguishes the SeaChanger Profile from other dichroic color changers is its Extreme Green color filter, which increases its color gamut to include those deep blues, reds and greens never thought possible with dichroic color mixing.

Profile Specifications

Ambient temperature: 113 °F (45 °C) maximum

Size/weight: 7.0" x 11.5", 12 lb.

Power input: 90-260 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, 0-100% saturation

Channel 4 - Optional patterned Al douser, 0-99% dimming

Channel 4 - Optional custom dichroic filter

Channel 4 Standard can be replaced with one of these options

Color mapping: Nearly infinite color mapping within a gamut of the CIE triangulated color space; gamut extended by xG filter

Speed: <1 second average from clear to full saturation

Beam characteristics: Preserves all ETC Source Four beam characteristics

Accessory compatibility: All beam shaping ETC Source Four accessories such as Enhanced Definition Lens Tubes (EDLT), Source Four Zooms, gobos, gobo rotators, gobo changers, field-of-view barrels (10°, 14°, 26°, 36°, 50°, 70° and 90°) and other devices

Lamp compatibility: 575 W, 750 W HPL, CDM lamps

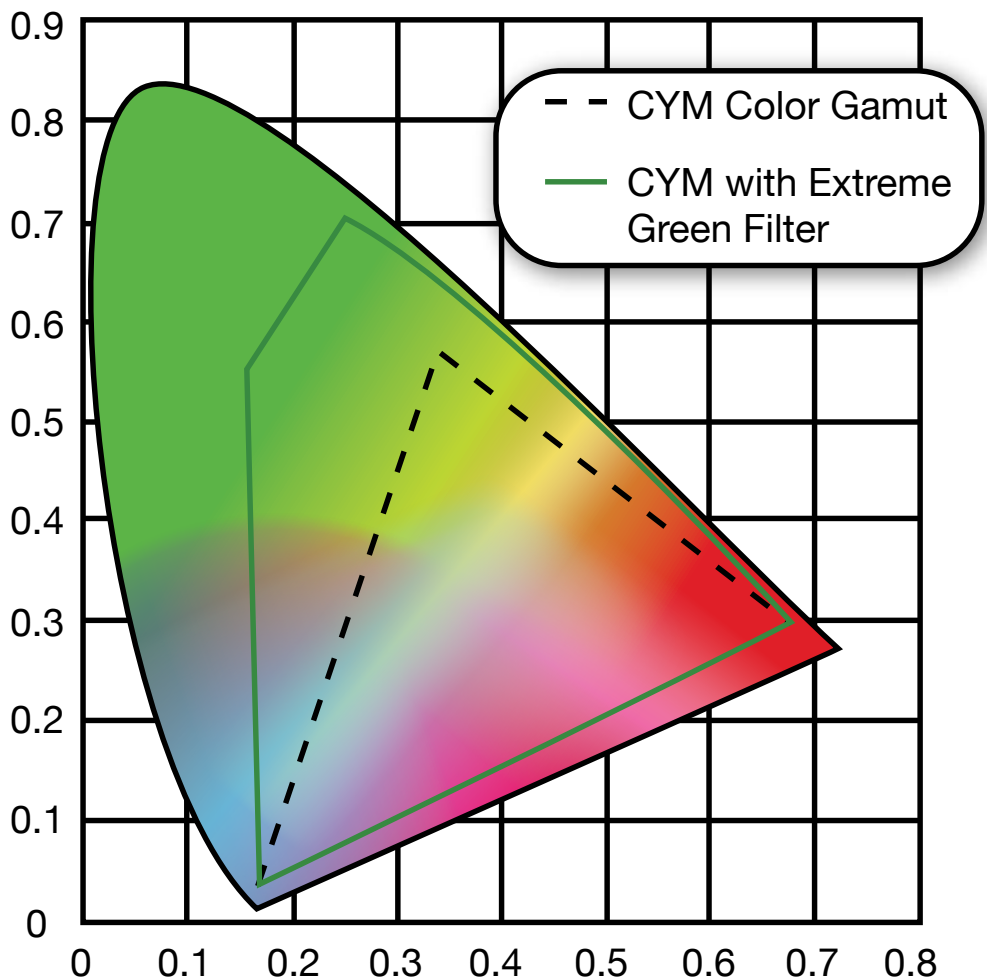
White light output: 9500 lumens total system output (SeaChanger + 26° Source Four with 750 W HPL Lamp)

Color filters: Dichroic patterned CYM and xG coatings on optical glass substrates, BBAR coated, in-band transmission >98%

Mounting: Suspension on Source Four yoke from mounting points; bayonet mount to fixture;

Adaptable to Source Four tungsten or HID fixtures

Maintenance: Easy color engine removal for cleaning; safety cable ring; 3' safety cable included



CYM v. xG Extreme Green
 1931 Standard Observer Chromaticity
 Diagram x,y 2-degree observer



Dance



Theater



Concerts

Versatile

The SeaChanger Color Engine is a dynamic CYMG color changer for ETC Source Four Ellipsoidals. It uses dichroic filter technology to create a nearly endless palette of stable, reproducible colors that don't shift or fade with time or temperature. Color transitions are swifefree and efficient.

Unique

The patented Extreme Green RGB 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.

Reliable

SeaChanger's filters resist heat and humidity far better than dye-colored gels and other technologies. Our special process produces filters that are ceramic in nature, eliminating the need for cooling fans. SeaChangers are easy to install and require virtually no regular maintenance.