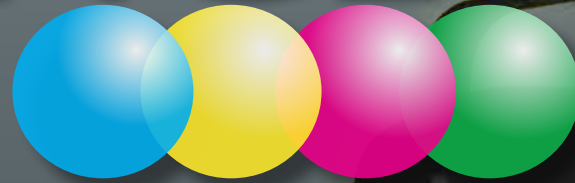


SEACHANGER

Professional Products for
Professional People



seachangeronline.com

I.D.E.A.S.

You have IDEAS, SeaChanger has Solutions

Inspiring
Designs
Entertainment
Architectural
Studio



THEATER



ARCHITECTURAL



WORSHIP



STUDIO



Playhouse
Uses 6 Tungsten Profile Fixtures

Royal Opera



Second Baptist Church
Houston, TX

The lighting design includes an installation of 24 SeaChanger Tungsten fixtures. They were selected for their silent, swipe free color transition in less than a second.



DID YOU KNOW?

This energy efficient installation is lit from the inside using six SeaChanger Tungsten Profiles and beam benders



SAIC Building



Tree of Life
Wynn Casino , Macau

TUNGSTEN

available in **PROFILE / WASH**



SILENT DICHROIC COLOR MIXING

SWIPE-FREE COLORS IN <1 SECOND

NO MELTED GELS / BROKEN STRINGS



SeaChanger Tungsten products turn your ETC Source Four® Ellipsoids into a brilliant dichroic profile and wash light. They provide illumination and seamless color transitions for theatrical, worship, museum and architectural applications. This self-contained dichroic color changer has an internal power supply, 4-channel DMX and RDM capability for easy operation. SeaChanger Tungsten products reduce your carbon footprint - achieving colors with one fixture that previously could only be produced with banks of gel scrollers. You reduce waste without the hassle of gels and broken gel strings.

Through advanced optical engineering, the SeaChanger Tungsten profile now have a flatter field, allowing 10% more light out of the fixture, and faster color transitions with new firmware. The SeaChanger firmware upgrade greatly improves the “snap” transition time, with a full-speed, dual rotation that allows you to choose the shortest path to the color of your choice. This still preserves the smooth, transition-free fades and silent operation that is the benchmark of the SeaChanger family of products.



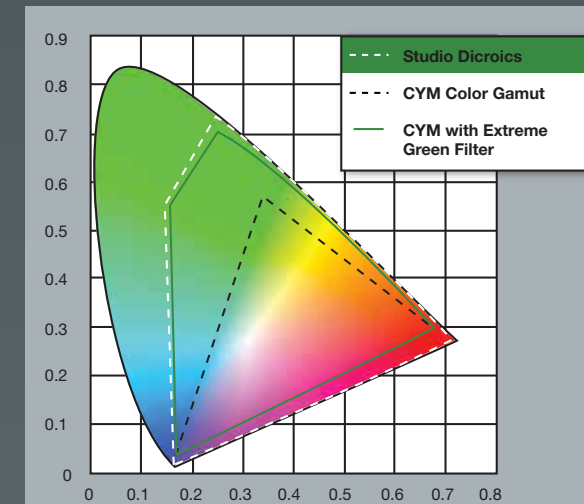
SeaChanger Tungsten fixtures reduce your carbon footprint - achieving colors with one fixture that previously could only be produced with banks of gel scrollers. You reduce waste without the hassle of gels and broken gel strings.



Yale School of Drama



Peter Pan - Bowie Community Theater
The production included 36 Tungsten profile fixtures to set the mood and provide seamless, programmed color changes.



✓ DID YOU KNOW?

Versatile

The SeaChanger Tungsten products are dynamic CYMxG color changers used with your ETC Source Four® Ellipsoids. They utilize dichroic filter technology, creating a nearly endless palette of stable, reproducible colors that don't shift or fade with time. The SeaChanger Tungsten Profile accommodates beam-shaping ETC Source Four® accessories including any FOV barrel (5°, 10°, 14°, 19°, 26°, 36°, 50°, 70° and 90°), Enhanced Definition Lens Tubes (EDLT), Source Four® Zooms and gobos.

Unique

Our silent, swipe-free color transition in less than a second is easy to use and allows you to control your color with DMX and RDM compatibility unlike traditional gel scrollers. and level of control that you cannot achieve with traditional gel scrollers. The patented xG Filter extends the CYM color gamut, and creates deep blues, rich reds and vibrant greens; the xG filter adds natural overtones and nuance to the standard CYM palette, creating a new dimension in realistic scenery lighting.

Reliable

All SeaChanger products are engineered and built with pride in the United States. Our patented process produces dichroic filters that are ceramic in nature resisting heat and humidity far better than dye-colored gels and other technologies. SeaChanger products are easy to install and require virtually no regular maintenance.

NEMO

available in **PROFILE / WASH**



32 LUMENS PER WATT

CRI 92

15,000 HOUR PLASMA LAMP LIFE

NO UV OR IR OUTPUT

	LIFI® Light Source	Typical Metal Halide HID Lamp	HPL Lamp	Typical LED
Fixture (luminaire) Lumen Output	10,000	9,000	8,432	13,000
CRI	92	85	100	82
System Power (W)	320	470	750	950
Lamp Life (hours)	15,000	700	350	10,000

Information also applicable to SeaChanger Nautilus products

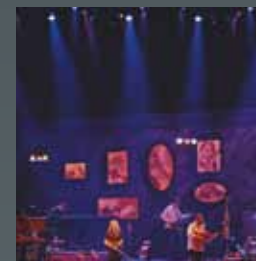
Our Nemo product line is designed with a LIFI® plasma light source, delivering energy-efficient high intensity lighting. SeaChanger Light Emitting Plasma (LEP) products are designed to reduce total energy consumption, while producing 10,000 lumens out of the fixture on just 320 watts of power. Nemo comes equipped with a dimmer wheel to control the intensity of the light output.

Because of its 15,000-hour lamp life, Nemo is the perfect solution for hard-to-reach installations, domes, atria and theme parks.

DID YOU KNOW?

SeaChanger LEP fixtures purchased from SeaChanger and its authorized distributors are covered for a full two years against manufacturing defects. The Nautilus Warranty applies to both the lighting fixture and power supply.

The warranty covers parts and labor needed to repair manufacturing defects in the unlikely event they occur during the coverage period.



NAUTILUS

available in **PROFILE / WASH**



32 LUMENS PER WATT

IP54 RATING

15,000 HOUR PLASMA LAMP LIFE

WIRELESS OPTION AVAILABLE



DID YOU KNOW?

SeaChanger offers a wireless DMX option for our Nautilus products, allowing you to remotely control the fixtures from up to 300 feet away.



Using patented dichroic filters combined with the Luxim Light Emitting Plasma (LEP) technology, the Nautilus packages Nemo capabilities in an IP54 rated waterproof shell for outdoor use. Nautilus creates millions of rich and reproducible colors with white-to-full saturation color transitions in less than one second. The filters provide higher transmission efficiency than gels and other materials, and are resistant to temperature and humidity. Unlike LEDs, SeaChanger fixtures provide high lumen output that can accommodate gobos and allow throw from a distance.



The LEP source delivers 10,000 lumens out of the fixture while using only 330 watts of power. Luxim's LEP source leads a new class of solid-state plasma light sources that combine the best features of solid-state electronics and full spectrum plasma emitters. The results are long-life, energy efficiency and complete color spectrum for general and specialty lighting applications.



ECO-FRIENDLY

Light Emitting Plasma™ (LEP) fixtures - energy efficient entertainment and architectural lighting **NEMO & NAUTILUS**

The SeaChanger line of Light Emitting Plasma™ (LEP) products are designed to reduce total energy consumption and BTU demand, while producing 10,000 lumens out of the fixture. It results in a total energy consumption of 330w.

Our LEP products have an expected bulb life cycle that exceeds 6.5 years (average use; ten hours a day for two-hundred and twenty-five days a year). To reduce environmental impact, LEP lamp cores are recyclable and reusable. More than 90% of the fixture construction materials can be recycled.

Recyclable materials include:

- Aluminum
- Copper
- Steel
- Glass
- Plastic

Operating Cost Comparison

The cost of operating the LEP is 77% less than that of a typical 750W tungsten fixture.

Products	Lamp	Power	Lamp Hours At 100%	Maintenance	Yearly Electricity	1 Year Cost	5 Year Cost
(LEP) Plasma Lamp	Plasma	320w	15,000	\$101.13	\$171.93	\$273.06	\$1,365.30
Tungsten Ellipsoidal	Tungsten	750w	300	\$765.25	\$455.11	\$1,220.36	\$6,101.80

Electricity cost of \$0.27/kWh

One year = 10 hours use /day for 225 days

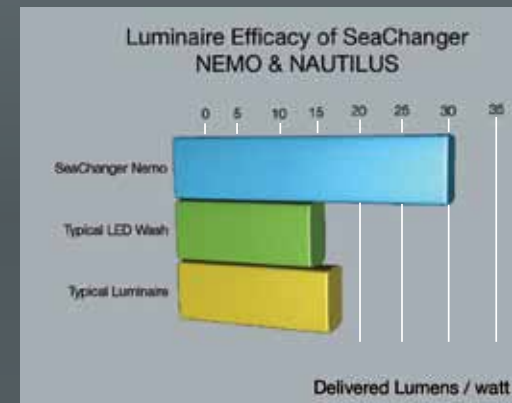
Maintenance includes lamp cost and replacement labor cost

DID YOU KNOW?



Light Output vs. Power Consumption

Product	Light Source	Lumen Output	Power	Lm/w
SeaChanger Nemo	Plasma	10,000	320w	31.25
Ellipsoidal	Tungsten	10,000	750w	13.3
LED	Low-output	3,820	180w	21.2
LED	Hight-output Wash	10,000	800w	12.5
Ellipsoidal	CDM	6,050	150w	40.3
Ellipsoidal	HID	3,570	70w	51



BTU Power Information

The highly efficient SeaChanger LEP produces less heat than conventional light sources, reducing the BTU demand in closed environments common in permanent installations.

Products	Lamp	PWR	Kj/Hr	BTU/Hr
SeaChanger Nemo	LEP (Plasma Lamp)	320w	1,152	1,093
Tungsten Ellipsoidal	750W HPL Tungsten (entertainment)	750w	2,700	2,561

COLORBUG

Color & Light Measurement in a Snapshot!

PHOTOGRAPHERS

VIDEOGRAPHERS

LIGHTING DESIGNERS

DID YOU KNOW?

The colorBUG includes:

- 5 volt 1 amp charger
- USB to mini- USB cable
- Lanyard
- Quickstart guide

Key Features

- Network capable
- Affordable
- Rugged
- Accurate
- Easy to use

colorBUG is an ingenious, handheld wireless sensor that measures CIE color values and illuminance for use in a wide variety of applications. In concert with free software downloaded from the iTunes App Store, it allows users to wirelessly share data with their iPhone, iPod or iPad, making color analysis simple and convenient. Smaller than a typical mobile phone, colorBUG is completely portable and features a rechargeable Lithium-Ion battery, 802.11g wireless connectivity and a sleek, rugged design. The colorBUG can be mounted on walls and other fixtures to assist in taking measurements remotely or hands-free.



LED Indicator Lights

Run / Hold Button

Mini USB Port
For Charging Only

Sensor Sampling Window

Power Switch

CIE 1932 2°
Observer Gamut

Measurement Value
x,y Space
Lux
Correlated Color
Temperature
(CCT) in K

colorBUG IP
Address

The user interface is identical on all Apple platforms

iPhone / iPod / iPad not included.

DICHROICS

SeaChanger has another, cost-effective alternative to gels; the SeaChanger line of Sheet Dichroics. These specially coated filters fit in the front of the ETC Source Four lens barrel. They are durable, high temperature, high transmission glass color filters created to change the color of the light emanating from the fixture.

DID YOU KNOW?

We carry the colors below as stock, ready to ship immediately, but we can also work with you to create custom colored dichroics that suit your needs.

Congo Blue

Deep Blue

Deep Red

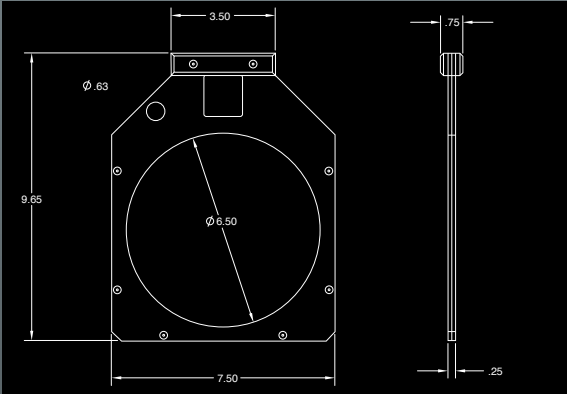
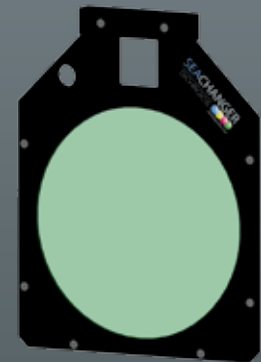
Amber

Magenta

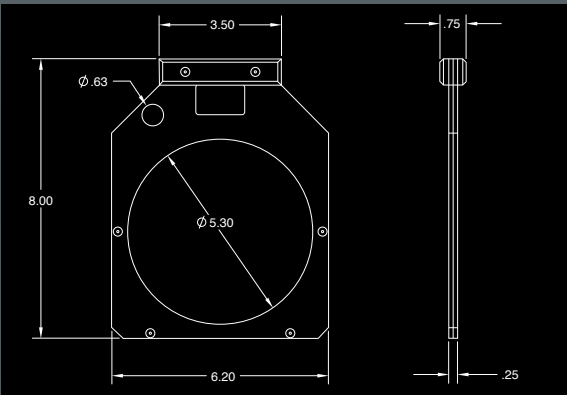
CTO-Color Correction on Orange (full)
converts lamp sources from 5600° K range to 3200° K range

CTB-Color Correction Blue (full)
converts lamp sources from 3200 degree K range to 5600° K range

PAR Dichroics



Profile Dichroics

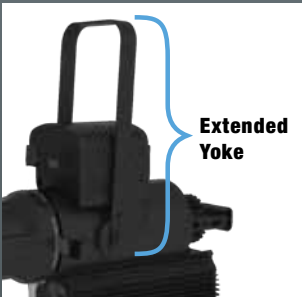


IR/UV Filter
Our clear glass filters are designed to pass visible light while reflecting infrared and near UV energy. Perfect for museum and architectural applications.

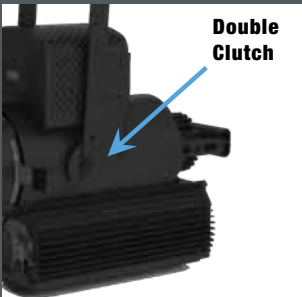


Woods Glass UV
This dichroic cold mirror reflector passes near UV energy in the range of 365-400nm, reflecting most visible light energy.

ACCESSORIES



Extended Yoke
A replacement for the standard Source Four™ yoke that allows more vertical room to position the fixture.



Double Clutch
Friction plates on both sides of the fixture add to overall stability.



DMX Terminators
Terminate the string of DMX lines of fixtures with a SeaChanger DMX terminator.



Barn Door/Top Hat Adapter Ring
This accessory allows you to attach a 7.5" barn door or top hat to the SeaChanger wash fixtures, allowing you to screen light from the audience or scenery.



Custom Dichroic Color Wheels
SeaChanger color wheels can be custom engineered and precisely manufactured to match specific gel colors or create an entirely new palette and placed in the fourth wheel position of the SeaChanger Color Engine.



Dimmer Wheels
You can opt for high-quality dimmer wheels in the fourth wheel position of any SeaChanger Tungsten color engine. These crack resistant wheels perform under extreme environmental conditions, making smooth dimming easier than ever before.



Paddle Wheel
An optional wheel for the fourth channel in the SeaChanger color fixture. This allows you to select three colors that will give you the ability to create custom colors suited to your application.



Electrical Plugs and High Temperature Power Cords
For your convenience you can upgrade your purchase with factory installed Edison or Stage Pin plugs and High-Temperature cords.

DID YOU KNOW?

SeaChanger provides you with a complement of accessories and options that allows you to easily create your light plot.

Professional Products for Professional People

Imagine the possibilities of a remarkable palette of rich and vibrant colors. SeaChanger was built to offer you just that - flexibility, versatility and access to millions of mood-setting colors. If you can imagine a color you can create it and recreate it; from delicate pastels to deep, saturated primaries.

SeaChanger was developed to offer the design flexibility and control you desire, while eliminating problems associated with gel filters.

SeaChanger's unique, patented technology produces superior dichroic color filters providing you with unprecedented levels of color. Easy to use, the SeaChanger adapts easily to your imagination and environment.

For full technical details and specifications on these and our full range of products, please visit:

www.SeaChangeronline.com

*All SeaChanger Products are Engineered and
Manufactured with Pride in the United States*

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PROFILE



WASH

Tungsten



Nemo



Nautilus

