



C-SPLASH

INSTALLATION GUIDE

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GETTING STARTED

Congratulations on your purchase, not to mention your good taste. Welcome to a more colorful world brought to you by Color Kinetics and Chromacore®, our patented technology that generates colored light and effects using a microprocessor to control Red, Green and Blue LEDs.

This guide contains important information on installing your new C-Splash fixture. For your protection, please read it carefully and be sure to save it for future reference. There are very few rules, but those that exist are there for your safety.

Included in this box:

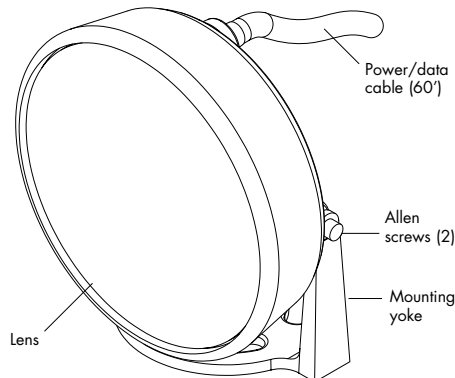
- (1) C-Splash with mounting yoke and 60' cable
- (1) Warranty Card
- (1) Registration Card
- (1) Installation Guide
- (1) Mounting Template
- (1) Allen wrench (3/16")

WARNING: NOT FOR USE IN HUMAN-OCCUPIED UNDERWATER LOCATIONS, SUCH AS POOLS AND SPAS.

CAUTION: C-Splash is designed for underwater installation and should only be used in fully submerged installations. Partial submersion or prolonged exposure to high temperatures will damage the fixture.

NOTE: Refer to Safety Precautions for additional cautions.

Figure 1: C-Splash anatomy



C-SPLASH ITEM# 100-000008-00

FOR USE UNDER U.S. PATENTS 6,016,038, 6,150,774 AND 6,340,868
EUROPEAN PATENT 1,016,062
OTHER PATENTS PENDING

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All other brand or product names are trademarks or registered trademarks of their respective owners.

PUB-000047-00 Rev01

Specifications subject to change without notice.

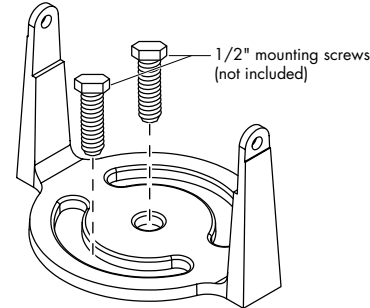
INSTALLING C-SPLASH

This fixture should be installed by a qualified electrician in accordance with N.E.C. and relevant local codes for Class 2 power supplies.

Mounting C-Splash

C-Splash is equipped with a mounting yoke. The yoke is designed to accommodate 1/2" diameter screws. (See Fig. 2.)

Figure 2



Use the included C-Splash Mounting Template to lay out the mounting location.

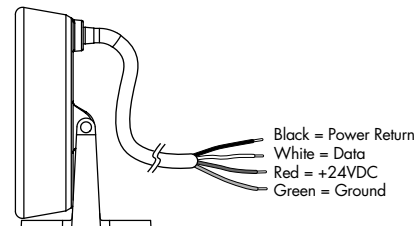
Connecting Power to C-Splash

C-Splash is designed to be hard-wired to the sMOPS-150 power supply, available from Color Kinetics (Item# 109-000007-00). One sMOPS-150 can power up to four C-Splash fixtures.

Note: Each light must receive power directly from a power supply. It is not possible to daisy-chain power from light to light.

The four wires in the C-Splash cable are color-coded as follows:

Figure 3



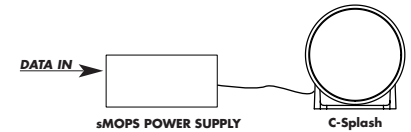
NOTE: Use only the unified power and data cable supplied with the C-Splash fixture. Use of other cables may result in light failure. Custom cable lengths are available from Color Kinetics.

For detailed instructions on connecting C-Splash to the power supply, refer to the sMOPS Installation Guide.

Connecting Data to C-Splash

For installations using the sMOPS power supply, data connections can be made through the power supply. (See Fig. 4.)

Figure 4



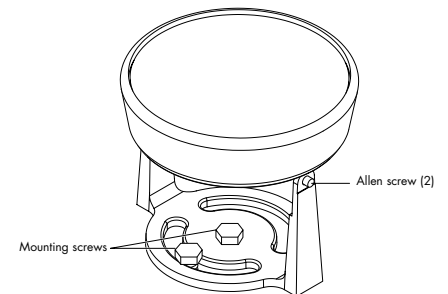
For detailed instructions on connecting data to the power supply, refer to the sMOPS Installation Guide.

Aiming C-Splash

There are two ways to aim C-Splash: adjusting the position of the yoke, and adjusting the angle of the fixture.

- To adjust the position of the yoke, loosen the mounting screws, rotate the yoke to the desired position, and tighten the screws.
- To adjust the angle of the fixture, loosen the allen screws on either side of the yoke, tilt the fixture to the desired angle, and tighten the allen screws. (A 3/16" allen wrench is included for this step.)

Figure 5



C-SPLASH SPECIFICATIONS

- COLOR RANGE**
 - 16.7 million (24bit) additive RGB colors
 - Continuously variable intensity output range
- SOURCE**
 - Variable intensity colored LEDs
- BEAM ANGLE**
 - 22°
- DATA INTERFACE**
 - DMX512 (RS485) compatible; PC compatible with Smart Jack Adapters
- CONTROL**
 - Stand Alone or DMX512 (RS485)
- HOUSING**
 - Brass
- CONNECTORS**
 - 60' unified power and data pigtail cable
- MAX. SUBMERSION DEPTH**
 - -3'
- OPERATING TEMP. RANGE:**
 - -4°F to 104°F (-20°C to 40°C)
- WEIGHT**
 - 15 lb
- POWER REQUIREMENTS**
 - 975mA @ 24V DC (24W)

DIMENSIONS	
BOTTOM OF YOKE TO CENTER OF FIXTURE	3.48" (88.4 mm)
DIAMETER	7.31" (185.7 mm)
OVERALL DEPTH (INCLUDING YOKE)	4.70" (119.0 mm)
OVERALL HEIGHT (INCLUDING YOKE)	7.64" (194.0 mm)

Source Life

Color Kinetics illumination products utilize high brightness LEDs as the illumination source. LED manufacturers predict LED life of up to 100,000 hours MTBF (mean time between failure), the standard used by conventional lamp manufacturers to measure source life. However, like all basic light sources, LEDs also experience lumen depreciation over time. So while LEDs can emit light for an extremely long period of time, MTBF is not the only consideration in determining useful life. LED lumen depreciation is affected by numerous environmental conditions such as ambient temperature, humidity and ventilation. Lumen depreciation is also affected by means of control, thermal management, current levels, and a host of other electrical design considerations.

Color Kinetics systems are expertly engineered to optimize LED life when used under normal operating conditions [ambient temperature: -4°F to 104°F (-20°C to 40°C), humidity: 0-95% non-condensing humidity, adequate ventilation and air volume] and when operated using typical color-changing effects. Long-term operation outside of these ranges or conditions, or at the upper limits of these ranges or conditions, may subject the product to further degradation of the LED source life, or in extreme cases, failure of internal components. Source life information is based on LED manufacturers' data, as well as other third party testing.

SAFETY PRECAUTIONS

The Don'ts

- Do not use C-Splash in human-occupied underwater locations, such as pools and spas.
- Do not operate C-Splash in non-submerged locations.
- Do not allow the unit to freeze. Freezing will cause leakage due to cracking or deformation.
- Do not hold or pull the fixture by the power/data cable.
- Do not use the C-Splash if the power/data cable has been damaged.
- Do not keep the power/data cable in high traffic areas or allow anything to rest on it.
- Do not store units in dirty, dusty areas.
- Do not open, alter, or tamper with the C-Splash housing.
- Do not attempt to service the electronic components yourself. Non-expert handling may damage the product and cause injury to the user.

The Dos

- Follow all instructions in this guide, and observe all warnings carefully.
- Keep C-Splash out of direct sunlight. Prolonged exposure to high temperatures and direct sunlight will damage the fixture.
- Submerge C-Splash as soon as possible after installation.
- Make sure C-Splash is fully submerged even when not in operation.
- Handle C-Splash as you would any delicate product. Be careful not to drop the unit.
- Have fun with the C-Splash and let Chromacore open your imagination.

If any problems occur during usage, unplug the product immediately and call or email the Color Kinetics Technical Support Group: 1-888-FULL RGB or 617-423-9999 or support@colorkinetics.com

U.S. and Foreign Patents and Patents Pending

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