



C-200 WATERCOLOR-U

POWERED BY CHROMACORE®



Color Kinetics® C-200 WaterColor-U is the submersible version of the C-200 fixture family, the largest and brightest fixture in the C-Series. It is designed to operate in underwater locations up to three feet deep, including water treated with bromine or chlorine. C-200 WaterColor-U is perfect for fountains and theme park applications. This fixture projects a soft-edge beam of light at a 22° beam angle. Each C-200 WaterColor-U unit comes with a pre-programmed assortment of shows that can be varied by speed, direction, saturation, etc., or can be externally controlled by a DMX512 lighting console, a PC, or a Color Kinetics controller.

The C-200 WaterColor-U comes with a unified power and data cable to minimize wiring. For maximum ease of installation and operational versatility, Color Kinetics recommends using this fixture with the cMOPS power supply. It can also be powered and controlled using a Power/Data Adapter (ITEM#: 104-000006-00) with the C-Series Power Supply.

The C-200 WaterColor-U is made from stainless steel, and comes equipped with a clear, tempered glass lens and mounting yoke.

C-200 WATERCOLOR-U SPECIFICATIONS

COLOR RANGE	16.7 million (24bit) additive RGB colors; continuously variable intensity output range
SOURCE	High brightness colored LEDs
BEAM ANGLE	22°
HOUSING	Stainless steel
CONNECTORS	Unified power and data cable
LISTINGS	UL Listed

COMMUNICATION SPECIFICATIONS

DATA INTERFACE	DMX512 (RS485) compatible; PC compatible with Smart Jack
CONTROL	Stand Alone or DMX512 (RS485)

ELECTRICAL SPECIFICATIONS

POWER REQUIREMENT	24 V DC
POWER CONSUMPTION	Maximum: 24 Watts
POWER SUPPLY	cMOPS (ITEM#: 109-000003-00), or C-Series Power Supply (ITEM#: 109-000001-00)

DESCRIPTION OF SHOWS

FIXED COLOR	Static display of a single color
COLOR WASH	Colors transition gracefully from color to color, cycling through the entire color wheel
CROSS FADE	Colors cycle back and forth gracefully between two colors
RANDOM COLOR	Colors step or jump from one color to the next in random order
FIXED COLOR STROBE	A constant color appears in a rapid series of intense flashes of light
VARIABLE COLOR STROBE	A sequence of colors appear in a rapid series of intense flashes of light



ITEM# 100-000007-00

U.S. PATENTS 6,016,038, 6,150,774 AND 6,211,626
OTHER PATENTS PENDING

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BR0043 Rev 06

Specifications subject to change without notice.

WARNING: The power must be OFF before installing or removing the product. The DMX address should be assigned BEFORE the product is installed.

MANUFACTURING STANDARDS

To ensure the highest level of product reliability, this Color Kinetics design endured accelerated life test conditions including an operating temperature span of 360°F and cyclic loading up to 60G.

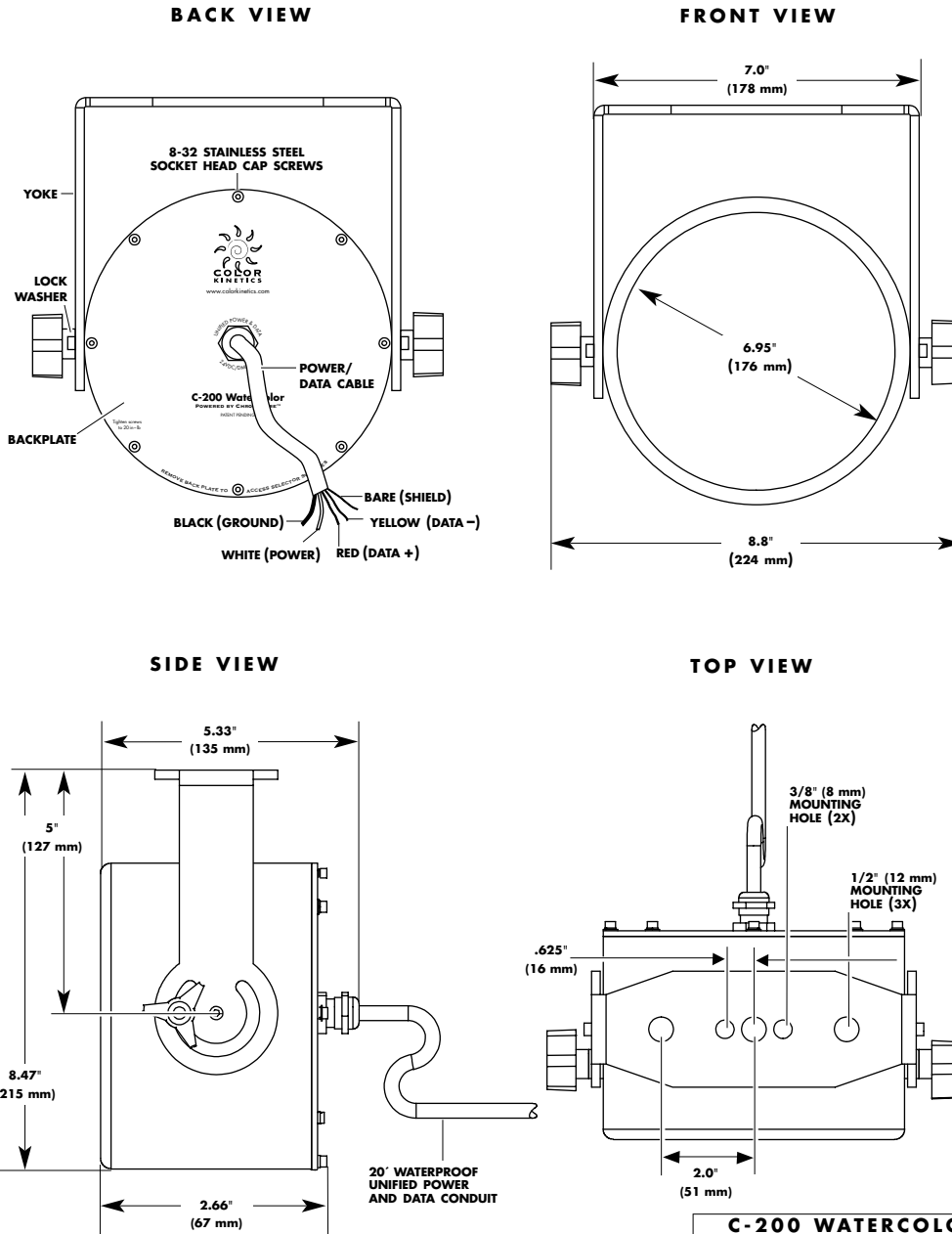
SOURCE LIFE

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.

C-200 WATERCOLOR-U FIXTURE

PHYSICAL DIMENSIONS

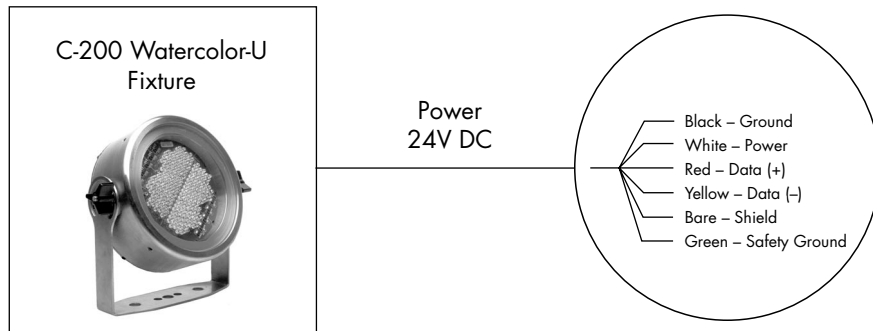


C-200 WATERCOLOR-U FIXTURE ITEM # 100-000007-00	
WEIGHT	16.4 lbs. (7.4 kg)
DATA	Integrated power/data input cable
POWER CONNECTOR	20' unterminated pigtail
POWER REQUIREMENTS	975 mA @ 24 VDC (24 w)

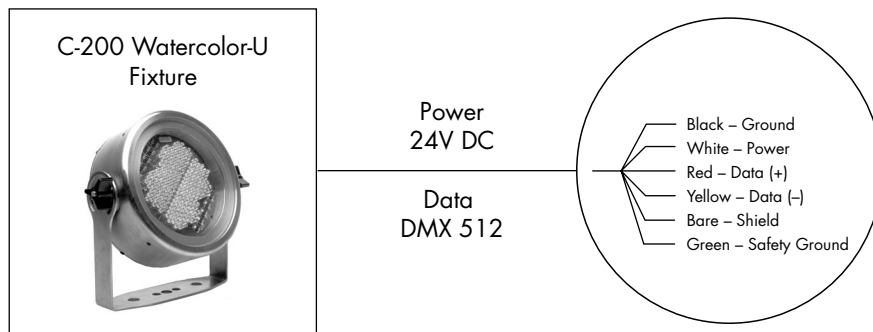
C-200 WATERCOLOR-U FIXTURE

WIRING DIAGRAM

STANDALONE MODE



EXTERNAL CONTROL MODE



U.S. AND FOREIGN PATENTS AND PATENTS PENDING

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