



C-200 TRACK

POWERED BY CHROMACORE®



C-200 Track is the solution for installing Color Kinetics® C-Series lights in architectural environments using unobtrusive fixture mounts with standard track hardware. The C-200 Track system consists of three components: C-200 Track, Data Masseuse and three-circuit track.

C-200 TRACK DIGITAL LIGHTING FIXTURE

This fixture projects a soft-edge beam of light at a 22° beam angle. C-200 Track fixtures operate in either Stand Alone or external control mode. Using on-board intelligence, they run a pre-programmed assortment of shows including color washes, random color changes, fixed colors, ultra smooth cross fades and strobos. Shows can then be varied by speed, direction, saturation, etc. Alternatively, C-200 Track fixtures can be controlled via DMX512 (RS485) networks for the ultimate in flexibility and control. C-200 Track fixtures incorporate a yoke assembly containing a dedicated power supply as well as an adapter for mounting the light in the track. This adapter passes both power and data to the light fixture. C-200 Track fixtures have a single unified power/data cable emerging from a smooth backplate. For added security, access to the dip switches is through a covered port in the backplate.

DATA MASSEUSE

Data Masseuse is a required component for proper control of C-200 Track fixtures by an external controller. Data Masseuse processes a DMX512 signal to enable the operation of more than 32 light fixtures on track, without the strict repeater and termination requirements of DMX512. Data Masseuse also permits the track to be arranged in any topology configuration, including any number of branches or Ts, up to 100 feet. Power and data connections are made via screw terminals. Data Masseuse is designed for installation in a standard four-gang wall box.

THREE-CIRCUIT TRACK

Track required for the C-200 Track system is heavy-duty three-circuit track, such as Nordic Aluminum Global Trac Pro. This track is available from many Color Kinetics dealers.

Together, these components provide power and data to create an intelligent lighting system. Variations of C-200 Track with mounts for other brands of tracks are available on a custom order basis. In other tracks, only power is transmitted; data is not. Please contact Color Kinetics for more information.

C-200 TRACK SPECIFICATIONS

COLOR RANGE	16.7 million (24bit) additive RGB colors; continuously variable intensity output range
SOURCE	High brightness colored LEDs
BEAM ANGLE	22°
HOUSING	Black or white aluminum
CONNECTORS	Integrated Power and Data Track Mount
LISTINGS	UL Classified, CE Certified



COMMUNICATION SPECIFICATIONS

DATA INTERFACE	DMX512 (RS485) compatible; serial port compatible with Smart Jack Adapter
CONTROL	Stand Alone or DMX512 (RS485)

ELECTRICAL SPECIFICATIONS

POWER REQUIREMENT	110-240V AC
POWER CONSUMPTION	Maximum: 30 Watts
POWER SUPPLY	Data Masseuse (ITEM# 106-000001-00)

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

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.



ITEM# 100-000004-00 (Black)
100-000004-01 (White)

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

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BR0025 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.

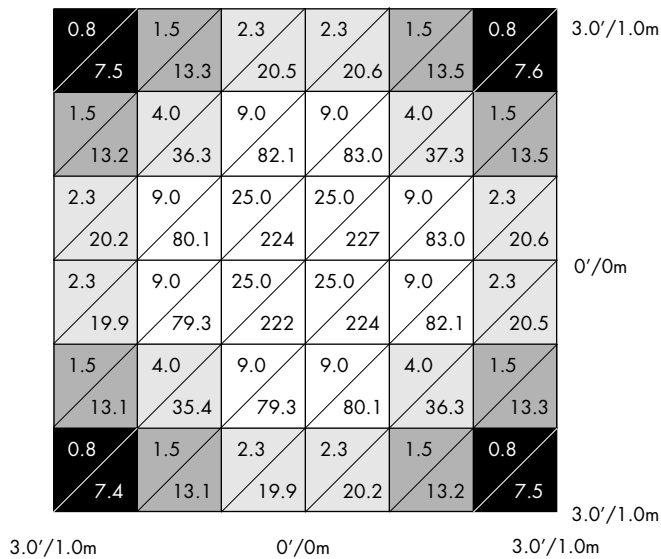
C-200 TRACK

PHOTOMETRIC PERFORMANCE

SOURCE SPECIFICATIONS

Optics: Polycarbonate diffuser
 Source: 192 LEDs
 (72 Red, 60 Green, 60 Blue)
 Beam Angle: 22° (at 50% of peak illuminance)
 Distribution: Symmetric direct illumination
 CCT: Adjustable 1,000K-10,000K
 CRI: Not measurable (CIE 13.3-1995)

ILLUMINANCE DISTRIBUTION



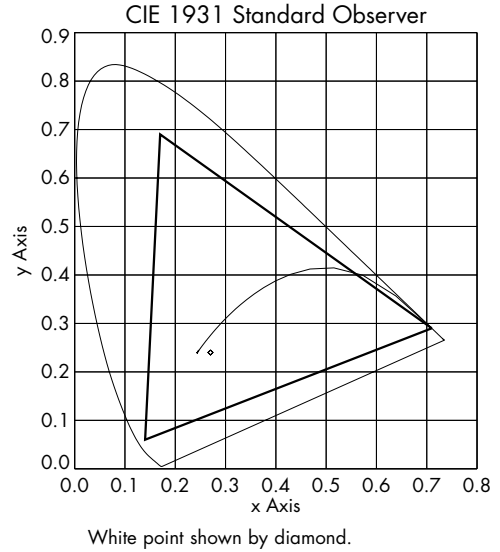
Units: Footcandles/Lux
 Measured on: White
 Distance from surface: 3'/1m (from center of grid)
 Multipliers: 0.31 Red, 0.54 Green, 0.16 Blue

ILLUMINANCE

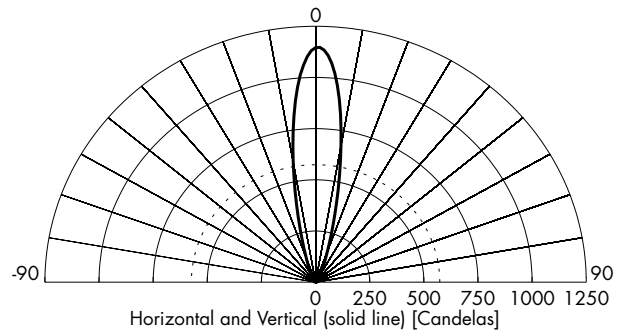
COLOR	3'	6'	9'	12'	15'
	1m	2m	3m	4m	5m
WHITE	128.9 1159.7	32.2 289.9	14.3 128.9	8.1 72.5	5.2 46.4
RED	40.0 359.5	10.0 89.9	4.4 39.9	2.5 22.5	1.6 14.4
GREEN	69.6 626.2	17.4 156.6	7.7 69.6	4.4 39.1	2.8 25.0
BLUE	20.6 185.5	5.2 46.4	2.3 20.6	1.3 11.6	0.8 7.4

Measured in Footcandles/Lux on axis.

GAMUT



CANDLE POWER DISTRIBUTION



Measured on: White
 Beam center: 1160 cd
 Thin dashed lined: Indicates 50% of peak
 Multipliers: 0.31 Red, 0.54 Green, 0.16 Blue

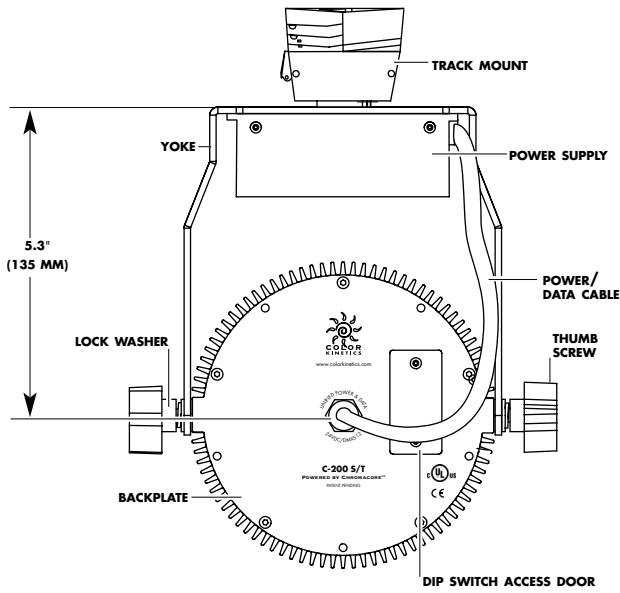
LIGHT OUTPUT

COLOR	TOTAL OUTPUT (LUMENS)	POWER (WATTS)	EFFICACY (lm/w)
WHITE	250.0	25.0	10.0
RED	70.5	8.1	8.7
GREEN	141.5	9.0	15.7
BLUE	41.3	9.0	4.6

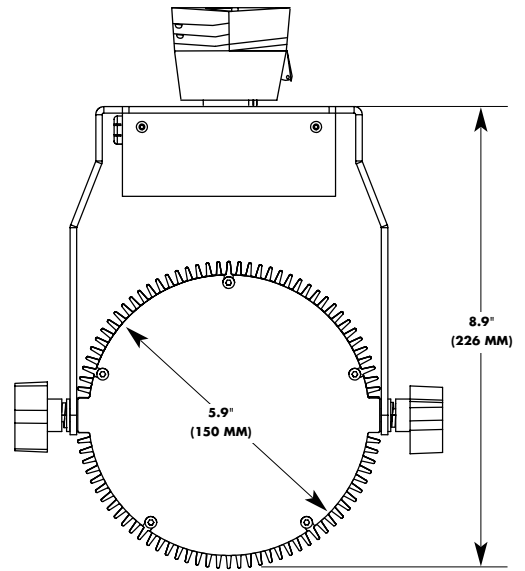
C-200 TRACK

PHYSICAL DIMENSIONS

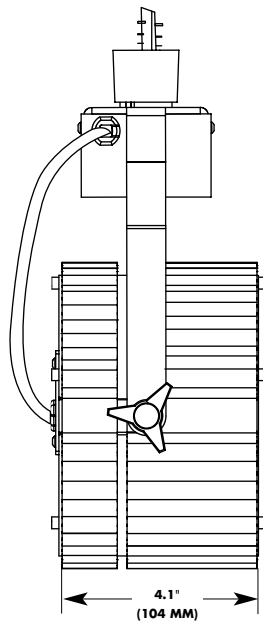
BACK VIEW



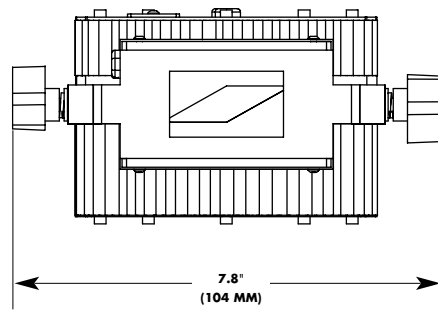
FRONT VIEW



SIDE VIEW



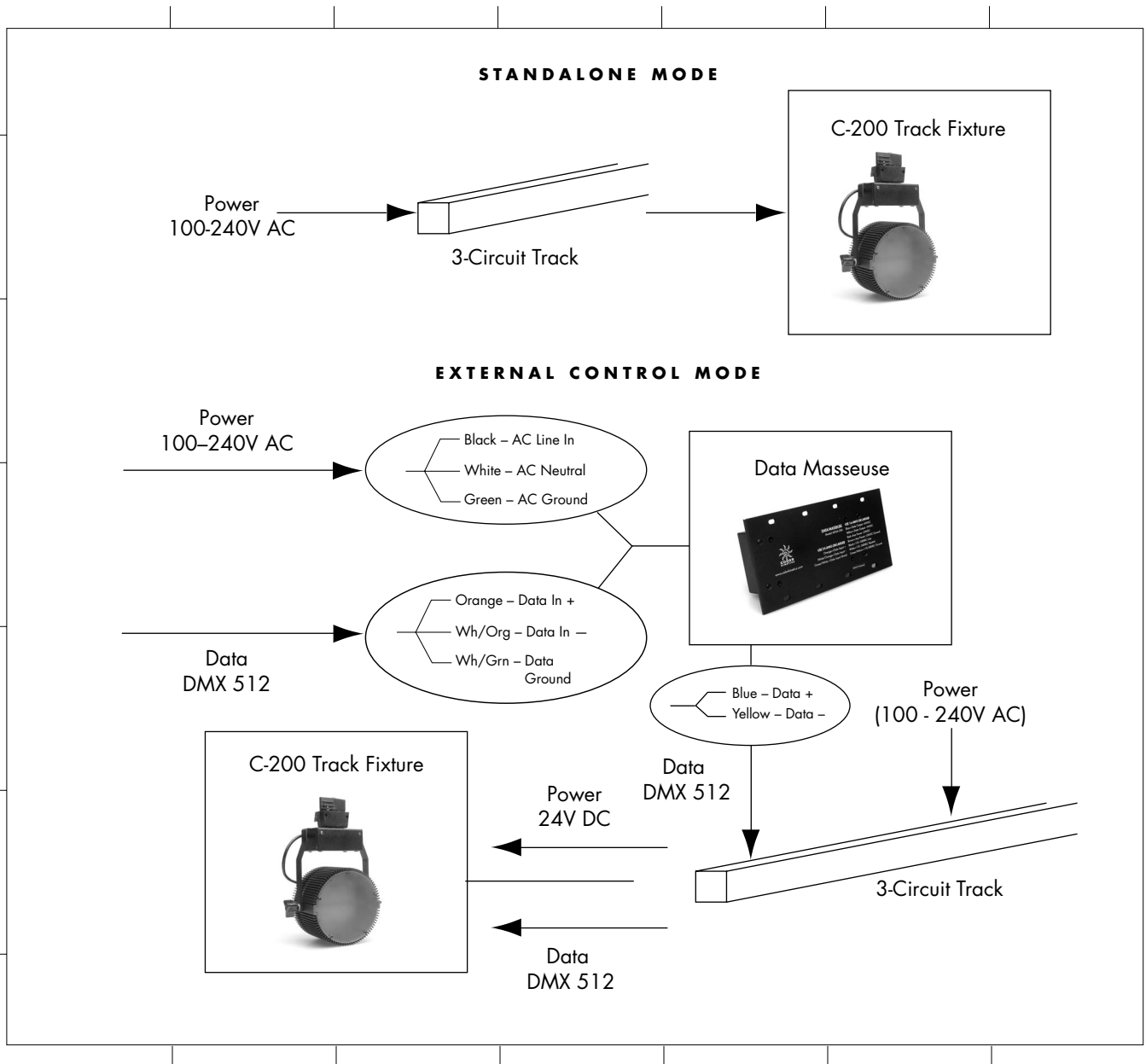
TOP VIEW



C-200 TRACK FIXTURE	
ITEM # 100-000004-00 (BLACK)	
100-000004-01 (WHITE)	
WEIGHT	3 lbs 5 oz (1.5 kg)
DATA	Input via Data Masseuse
POWER CONNECTOR	Input via Track Mount
POWER REQUIREMENT	100-240 VAC (30w)

C-200 TRACK

WIRING DIAGRAM



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.

U.S. AND FOREIGN PATENTS AND PATENTS PENDING

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