



# iCOLOR ACCENT

POWERED BY CHROMACORE®



Color Kinetics® iColor® Accent is a direct view indoor/outdoor linear light. Available in 1-, 4-, and 8-foot lengths, each segment can be interconnected to create long columns of color to highlight the outside of buildings or to accent displays in retail applications. Because iColor Accent has a diffused lens specifically designed for direct viewing, it can be used to create stunning effects in commercial and residential applications.

Designed to meet the rugged requirements of outdoor applications, iColor Accent is completely sealed and meets specifications for wet locations. It comes equipped with adjustable mounting brackets, which makes it extremely versatile and easily adaptable for even the most creative mounting environments.

iColor Accent is a harmonious blend of art and functionality. Modern and sophisticated, the housing combines a protective UV resistant and diffused plastic lens and a rugged support of extruded anodized aluminum. The diffuse plastic lens provides a 250° viewing angle of uniform color mixing brilliance. iColor Accent is designed with translucent ends to allow for uninterrupted columns of color. Each unit is pre-wired with over-molded locking connectors to supply both power and data to the light and simplify installation.

iColor Accent can be controlled by a Color Kinetics controller or a third-party controller. Each fixture contains one, four, or eight light segments, depending on the size. Each segment is programmed with a serial number and addressed sequentially beginning with light number one at the time of manufacture. For example, a four-foot fixture is addressed with light numbers one through four. With a controller, address all segments to the same light number for simple effects such as fixed color and color wash. Other effects across multiple lights, including Chasing Rainbow or Color Sweep, require further addressing using one of the following Color Kinetics addressing tools: Serialized Addressing Software (SAS) or Zapi.

## iCOLOR ACCENT SPECIFICATIONS

<b>COLOR RANGE</b>	16.7 million (24bit) additive RGB colors; continuously variable intensity output range
<b>SOURCE</b>	High intensity, surface mount, colored LEDs
<b>VISIBILITY RANGE</b>	253° x 180°
<b>HOUSING</b>	Sealed plastic housing with extruded aluminum support
<b>CONNECTORS</b>	Over-molded, integral male/female connectors
<b>LISTINGS</b>	C-UL US listed, CE certified

## COMMUNICATION SPECIFICATIONS

<b>DATA INTERFACE</b>	Color Kinetics data interface system
<b>CONTROL</b>	Color Kinetics full line of controllers or other DMX512 (RS485) compatible when using Color Kinetics power/data supply

## ELECTRICAL SPECIFICATIONS

<b>POWER REQUIREMENT</b>	24VDC
<b>POWER CONSUMPTION</b>	7.2W (1-foot), 28.8W (4-foot), 57.6W (8-foot) Max. at full intensity
<b>POWER SUPPLY</b>	PDS-500e (ITEM# 109-000009-00)

## ENVIRONMENTAL SPECIFICATIONS

<b>TEMPERATURE RANGE</b>	-4°F to 122°F (-20°C to 50°C) based on testing of specific product
<b>PROTECTION RATING</b>	IP66

## 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.



ITEM# 101-000008-00 (1-foot)  
101-000008-01 (4-foot)  
101-000008-02 (8-foot)

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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BR0091 Rev 01

Specifications subject to change without notice.

## iCOLOR ACCENT

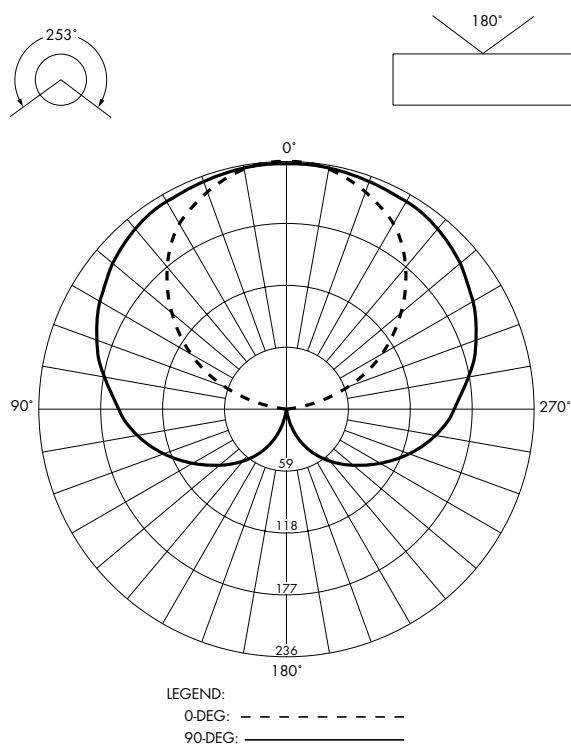
### PHOTOMETRIC PERFORMANCE

Photometric data is based on test results from an independent testing lab.

#### SOURCE SPECIFICATIONS

Optics:	White polycarbonate diffuser
Source:	54 LEDs (18 Red, 18 Green, 18 Blue) per 1-foot section
Beam Angle:	253° x 180° (at 50% of peak illuminance)
Distribution:	Symmetric direct illumination
CCT:	Adjustable 1,000–10,000K
CRI:	Not measurable (CIE 13.3-1995)

#### CANDELA DISTRIBUTION

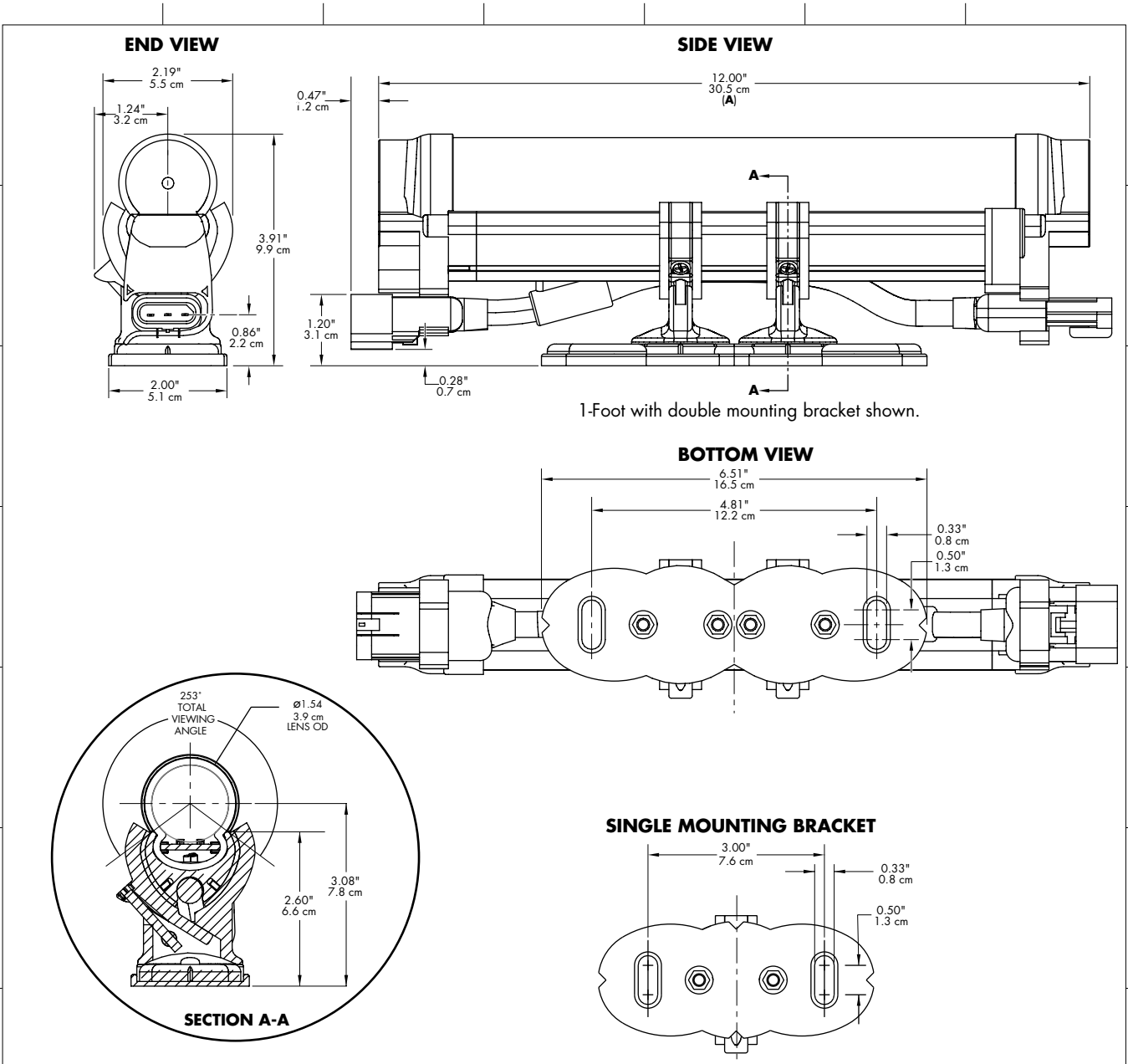


#### LUMINANCE DATA IN CANDELA/SQ METER

Angle in Vertical	Average 0	Average 45	Average 90
45	431	433	437
55	406	420	428
65	363	403	419
75	283	392	414
85	108	377	401

# iCOLOR ACCENT

## PHYSICAL DIMENSIONS

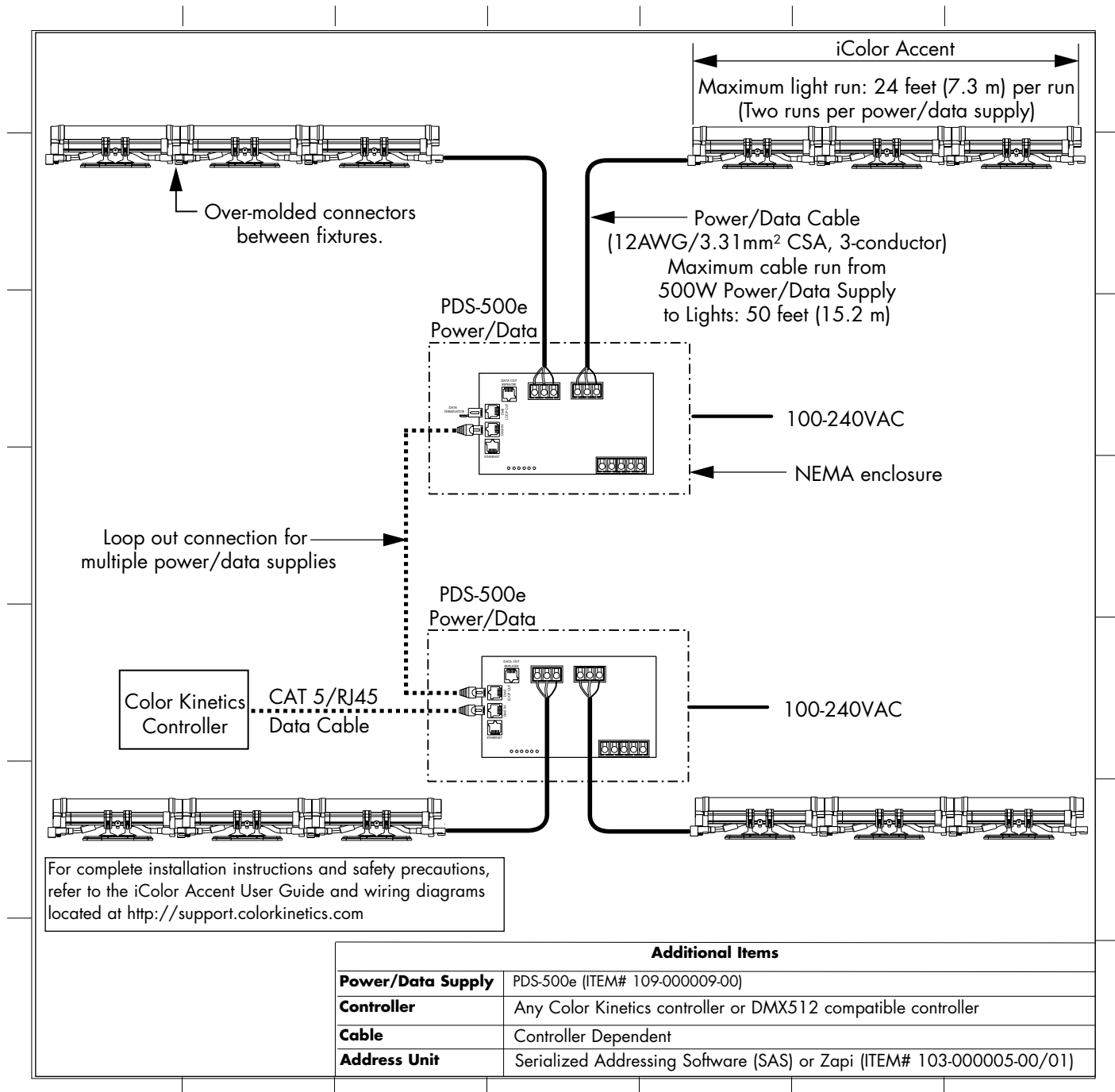


iCOLOR ACCENT DIMENSIONS AND REQUIREMENTS			
	iColor Accent 1'	iColor Accent 4'	iColor Accent 8'
<b>DIM A</b>	12.00" (30.48 cm)	48.00" (121.92 cm)	96.00" (243.84 cm)
<b>MOUNTING BRACKET REQUIREMENT</b>	1 Double Bracket minimum	3 Single Brackets minimum	4 Single Brackets minimum
<b>WEIGHT</b> (with required mounting feet)	1.5 lb. (.68 kg)	6 lb. (2.72 kg)	11.5 lb. (5.22 kg)

iCOLOR ACCENT SPECIFICATIONS			
MODEL	iColor Accent 1'	iColor Accent 4'	iColor Accent 8'
<b>DATA CONNECTOR</b>	Over-molded cable assembly	Over-molded cable assembly	Over-molded cable assembly
<b>POWER CONNECTOR</b>	Over-molded cable assembly	Over-molded cable assembly	Over-molded cable assembly
<b>POWER REQUIREMENT</b>	24VDC (7.2W)	24VDC (28.8W)	24VDC (57.6W)

## iCOLOR ACCENT

### FUNCTIONAL FLOW DIAGRAM



### U.S. AND FOREIGN PATENTS AND PATENTS PENDING

Color Kinetics Incorporated grants the purchaser of its lighting products and controllers a personal and non-transferable license to use Chromacore®, its patented technology for networkable control of LED-based color-changing lighting fixtures for illumination, display and design. This license is granted only by Color Kinetics Incorporated, and may not be transferred except by the grantor. The design, duplication, manufacture, or sale of other products using networkable control of LED-based color-changing lighting may be prohibited and is not licensed hereunder. Other patents pending.