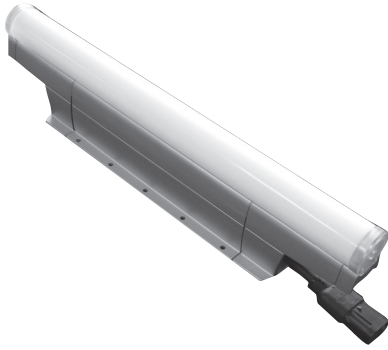


iColor Accent Powercore



The iColor[®] Accent Powercore fixture from Philips Color Kinetics is a direct view indoor / outdoor linear fixture. iColor Accent Powercore fixtures are available in 2 ft (.61 m), 4 ft (1.22 m), and 8 ft (2.44 m) lengths. All three sizes can be inter-connected to create long ribbons of color to highlight the outside of buildings or create low-resolution video displays in entertainment and retail applications.

iColor Accent Powercore is designed to meet the rugged requirements of outdoor applications. Because it utilizes Powercore[®] technology, line voltage goes directly to the fixtures, simplifying installation and allowing for much longer runs.

The iColor Accent Powercore housing is extruded aluminum, to provide strong support. The diffused plastic lens is specifically designed for direct viewing, provides a 250° viewing angle, and ensures uniform color mixing. Fixtures can be connected in series by over-molded locking connectors that supply both power and data.

The iColor Accent Powercore features control resolution down to 1.2 inch (3.05 cm) increments; each segment can range from as little as 1.2 inches (3.05 cm) to as long as 8 feet (2.44 m). With Ethernet control going directly to each fixture via the leader cable, iColor Accent Powercore can be controlled by Philips Video System Manager (VSM) and Light System Manager (LSM). In addition, the Data Enabler EO can be used to convert DMX signals from a third-party controller to Ethernet before reaching the first fixture.

iCOLOR ACCENT POWERCORE SPECIFICATIONS

COLOR RANGE	16.7 million additive RGB colors; continuously variable intensity output range
OUTPUT	50-100 lumens (estimated)
SOURCE	Chip-on-board RGB LEDs
VISIBILITY RANGE	250° x 180°
HOUSING	Sealed plastic and extruded aluminum
WEIGHT	2 ft (0.61 m) - 4.5 lb (2 kg) 4 ft (1.22 m) - 9.3 lb (4.2 kg) 8 ft (2.44 m) - 18 lb (8.2 kg)
CONNECTORS	Over-molded, integral male / female connectors
LISTINGS	UL / cUL, CE

COMMUNICATION SPECIFICATIONS

DATA INTERFACE	Data Enabler EO (Item # 106-000003-06)
CONTROL	Philips full line of controllers, including Video System Manager, Light System Manager, iPlayer 3 or other third-party DMX512 controllers

ELECTRICAL SPECIFICATIONS

INPUT VOLTAGE	100 – 240 VAC, 50 – 60 Hz
POWER CONSUMPTION	10 W per foot, maximum
CURRENT	0.1 A per foot, maximum
LEADER CABLE	50 ft (15.24 m) Leader Cable (Item # 108-000028-01)
JUMPER CABLES	1 ft (.30 m) Jumper Cable (Item # 108-000029-03) 2 ft (.60 m) Jumper Cable (Item # 108-000029-06) 5 ft (1.52 m) Jumper Cable (Item # 108-000029-05) 10 ft (3.05 m) Jumper Cable (Item # 108-000029-04)

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE RANGE	-4° F – 122° F (-20° – 50° C) based on testing of specific product
PROTECTION RATING	IP66

CHROMACORE[™] CK TECHNOLOGY | OPTIBIN[™] CK TECHNOLOGY | CHROMASIC[™] CK TECHNOLOGY



Item #
123-000010-00 (2 ft)
123-000010-01 (4 ft)
123-000010-02 (8 ft)

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BRO-000204 Rev 09

Specifications subject to change without notice.
Refer to www.colorkinetics.com for the most recent version.

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PHILIPS

iCOLOR ACCENT POWERCORE

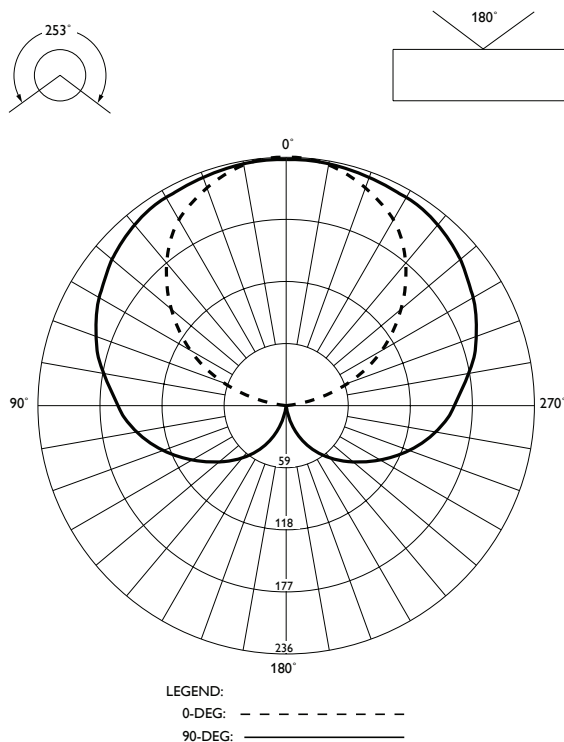
PHOTOMETRIC PERFORMANCE

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

SOURCE SPECIFICATIONS

Lens:	White polycarbonate diffuser
Source:	190 LEDs (90 Red, 50 Green, 50 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

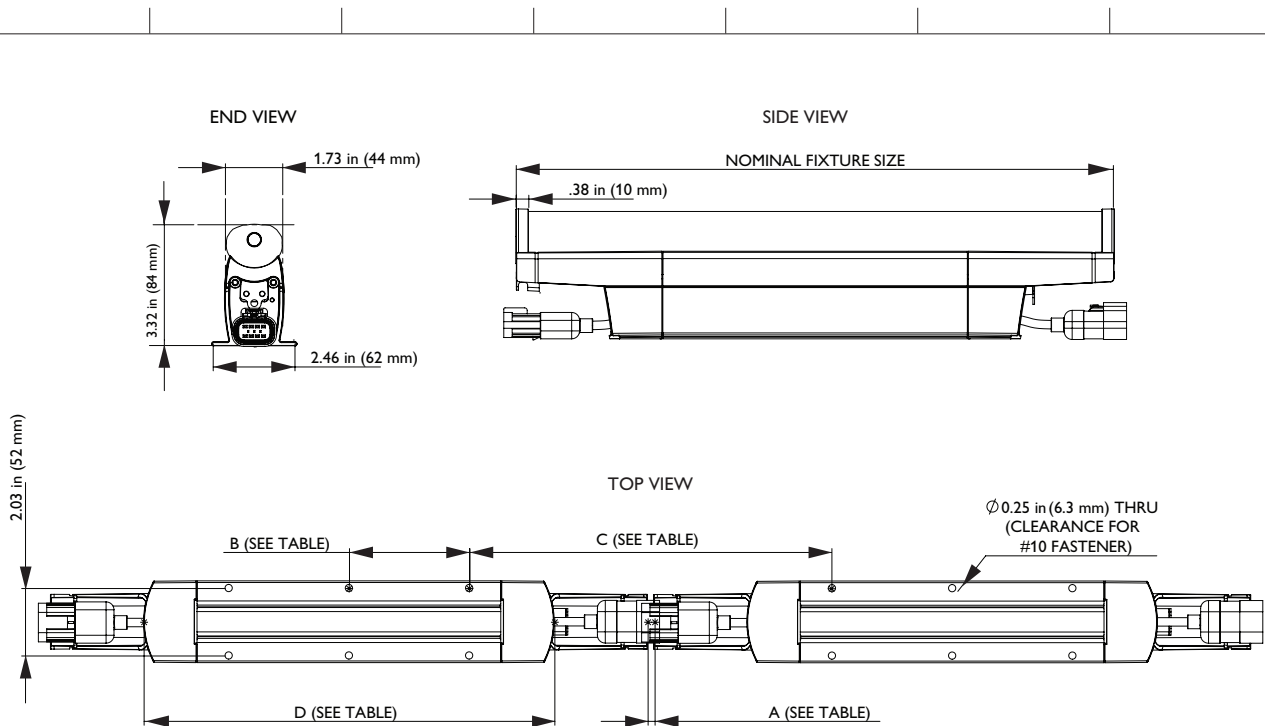


LUMINANCE DATA IN NITS (CANDELA / SQ METER)

879 at zero degrees

iCOLOR ACCENT POWERCORE

physical dimensions



FIXTURE SIZE (in / m)	A (in / cm)	B (in / cm)	C (in / cm)	D (in / cm)	# FASTENING LOCATIONS PER FIXTURE	WEIGHT (lb / kg)
24 / .60	0.25 / 0.64	4.88 / 12.40	14.63 / 37.16	18.38 / 46.69	6	4.5 / 2
48 / 1.21	0.38 / 0.97	8.06 / 20.47	16.13 / 40.97	42.38 / 107.65	10	9.3 / 4.2
96 / 2.43	0.50 / 1.27	12.06 / 30.63	24.13 / 61.29	90.38 / 229.57	14	18 / 8.2

LED SOURCE LIFE

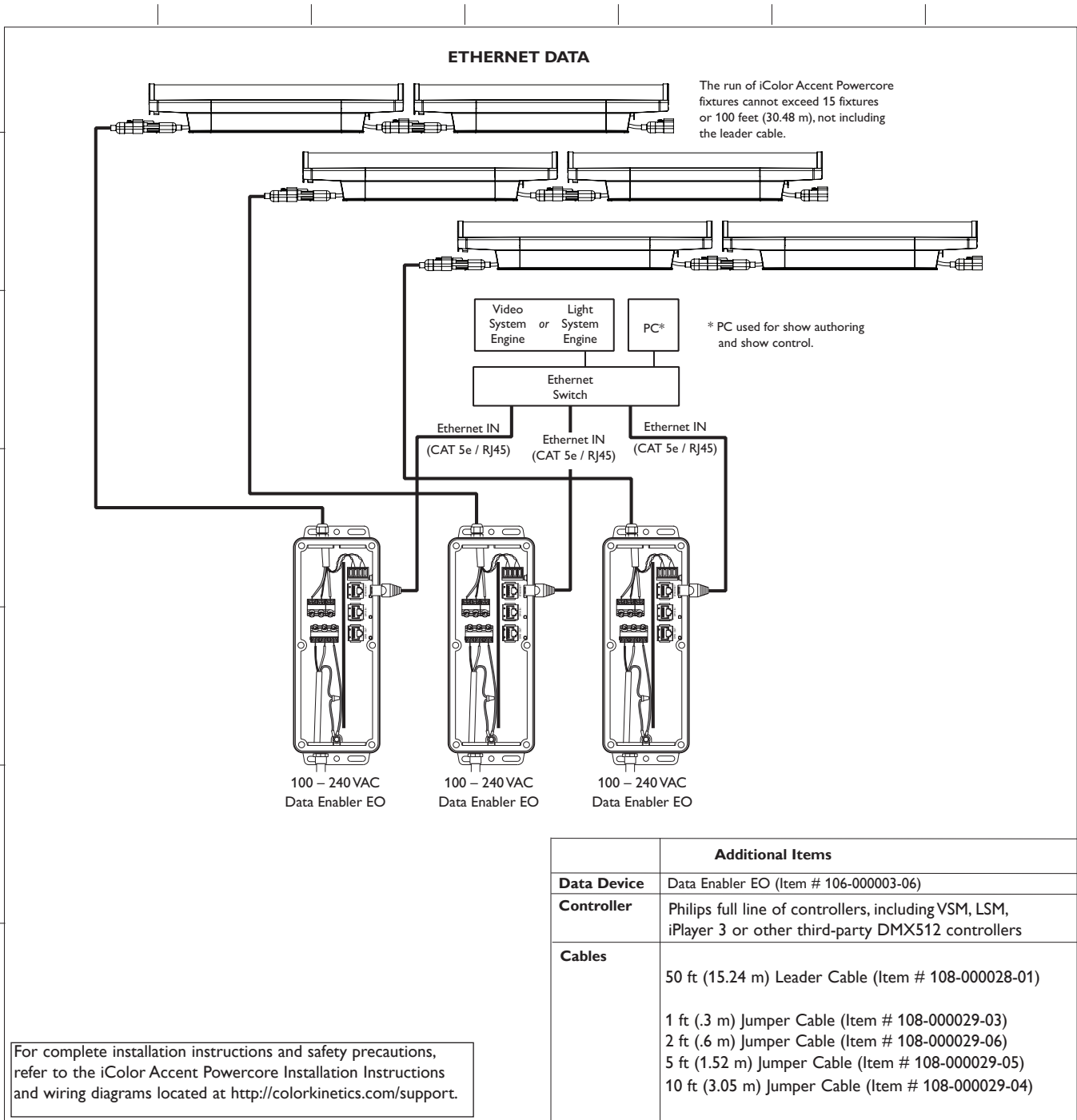
In traditional lamp sources, lifetime is defined as the point at which 50% of the lamps fail. This is also termed Mean Time Between Failure [MTBF]. LEDs are semiconductor devices and have a much longer MTBF than conventional sources. However, MTBF is not the only consideration in determining useful life. Color Kinetics uses the concept of useful light output for rating source lifetimes. Like traditional sources, LED output degrades over time (lumen depreciation) and this is the metric for SSL lifetime.

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. Lumen depreciation information is based on LED manufacturers' source life data as well as other third party testing. Low temperatures and controlled effects have a beneficial effect on lumen depreciation. Overall system lifetime could vary substantially based on usage and the environment in which the system is installed.

Temperature and effects will affect lifetime. Color Kinetics rates product lifetime using lumen depreciation to 50% of original light output. When the fixture is running at room temperature using a color wash effect, the lifetime is in the range of 30,000-50,000 hours. This is based on LED manufacturers' test data. For more detailed information on source life, please see www.colorkinetics.com/lifetime.

iCOLOR ACCENT POWERCORE

functional flow diagram



iCOLOR ACCENT POWERCORE

functional flow diagram

