COLOR KINETICS™

PHILIPS

DATA ENABLER EO

Color Kinetics® Data Enabler EO is a data formatting device specifically designed for Color Kinetics iColor® Accent Powercore. Data Enabler EO data drivers condition data supplied from Ethernet or DMX512 controllers, including Color Kinetics full line of controllers, to a format compatible with the fixtures. Since iColor Accent Powercore accepts Ethernet directly into the fixtures, the Data Enabler EO outputs an Ethernet format. The "EO" in Data Enabler EO stands for "Ethernet Out."

The integration of power and data simplifies wiring installations, and the selection of control configurations expands the versatility of the applications.

Data Enabler EO automatically accommodates a universal supply voltage ranging from 100 to 240 volts AC, 50/60 Hz where the maximum connected load does not exceed 20 Amps. The input and output line voltage connections are made to terminal blocks. Data Enabler EO is available for either DMX, for use with Color Kinetics controllers or third-party DMX512 controllers; or Ethernet, for use with Color Kinetics Light System Manager and Video System Manager. All data connections are made using the input RJ45 terminals. For DMX applications, data can be daisy chained between multiple Data Enablers using the output RJ45 terminal.

Data Enabler EO is housed in a compact NEMA 4 (IP66) enclosure designed for use in wet locations and complies with National Electrical Code (NEC) requirements. Each Data Enabler EO features multiple conduit entries sized for 3/4-inch NPT 59/64" conduit.

DRY

WET & DAMP

CE c UL us
LISTED
13PE

ITEM# 106-000003-06

BRO206 Rev 01

FEATURES

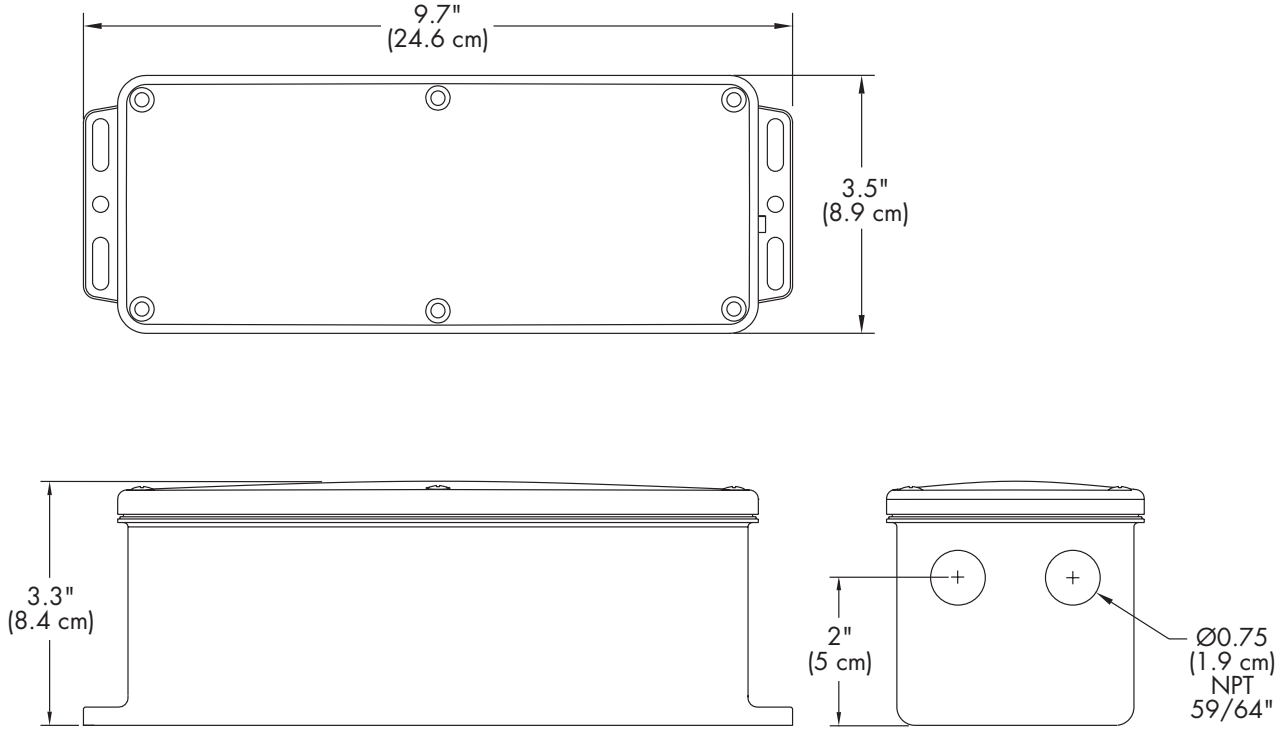
- Economical
- Compact size
- Ease of installation
- Ethernet/DMX ready
- Wet/damp NEMA 4 housing
- Choice of intelligent data drivers

DATA ENABLER EO SPECIFICATIONS

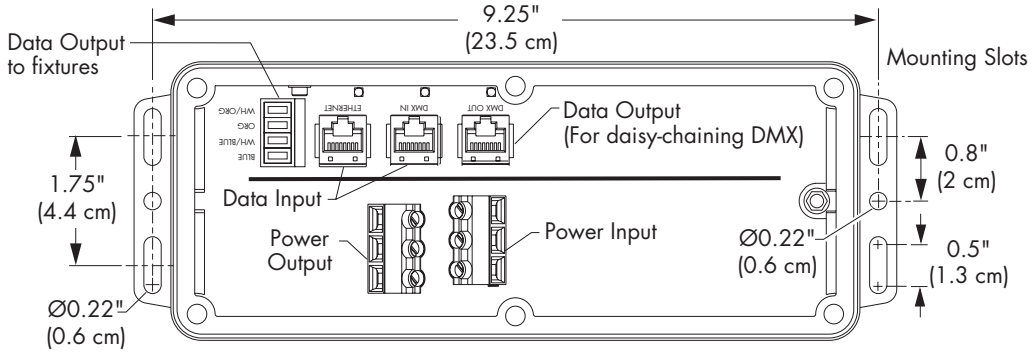
POWER INPUT	100-240VAC, 50-60 Hz Max. connected load should not exceed 20 Amps
INTERNAL LOAD	10 Watts
HEAT DISSIPATION	10 Watts Max.
AMBIENT OPERATING TEMP	-4°F to 122°F (-20°C to 50°C)
HOUSING	NEMA 4 enclosure: 9.7" (24.6 cm) X 3.5 " (8.9 cm) X 3.2" (8.1 cm)
CONNECTORS	Power In: 3-wire terminal block connector Power Out: 3-wire terminal block connector Data Out: 4-wire terminal block connector
DATA INPUT INTERFACE	**ETHERNET**: Color Kinetics Light System Manager Color Kinetics Video System Manager **DMX**: Color Kinetics DMX controllers or DMX512 compatible
PROTECTION RATING	IP66
CLASSIFICATION	Class 1
LISTINGS	UL/cUL, CE

PHILIPS SOLID-STATE LIGHTING SOLUTIONS • 3 BURLINGTON WOODS DRIVE • BURLINGTON, MA 01803 • USA
TEL 888 FULL RGB • TEL 617 423 9999 • FAX 617 423 9998 • INFO@COLORKINETICS.COM • WWW.COLORKINETICS.COM

OVERALL DIMENSIONS



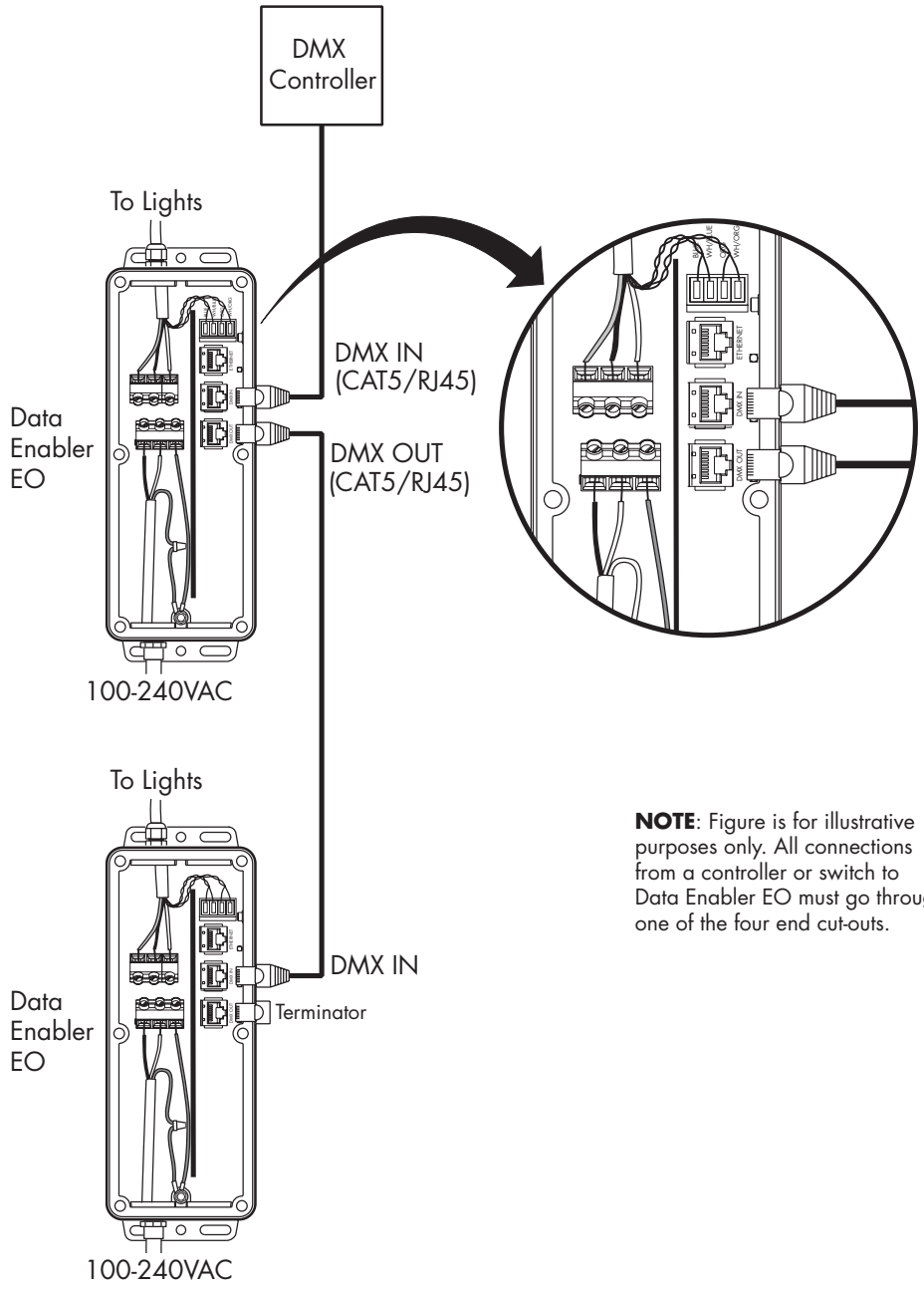
MOUNTING DIMENSIONS



DATA ENABLER ITEM# 106-000003-06	
DATA CONNECTOR	Input and output: RJ45
OUTPUT CONNECTOR	4-pin terminal block and 3-pin terminal block
SUPPLY CONNECTOR	3-pin terminal block
WEIGHT	Approx. 2.5 lbs. (2 kg)

FUNCTIONAL FLOW DIAGRAM

DMX DATA

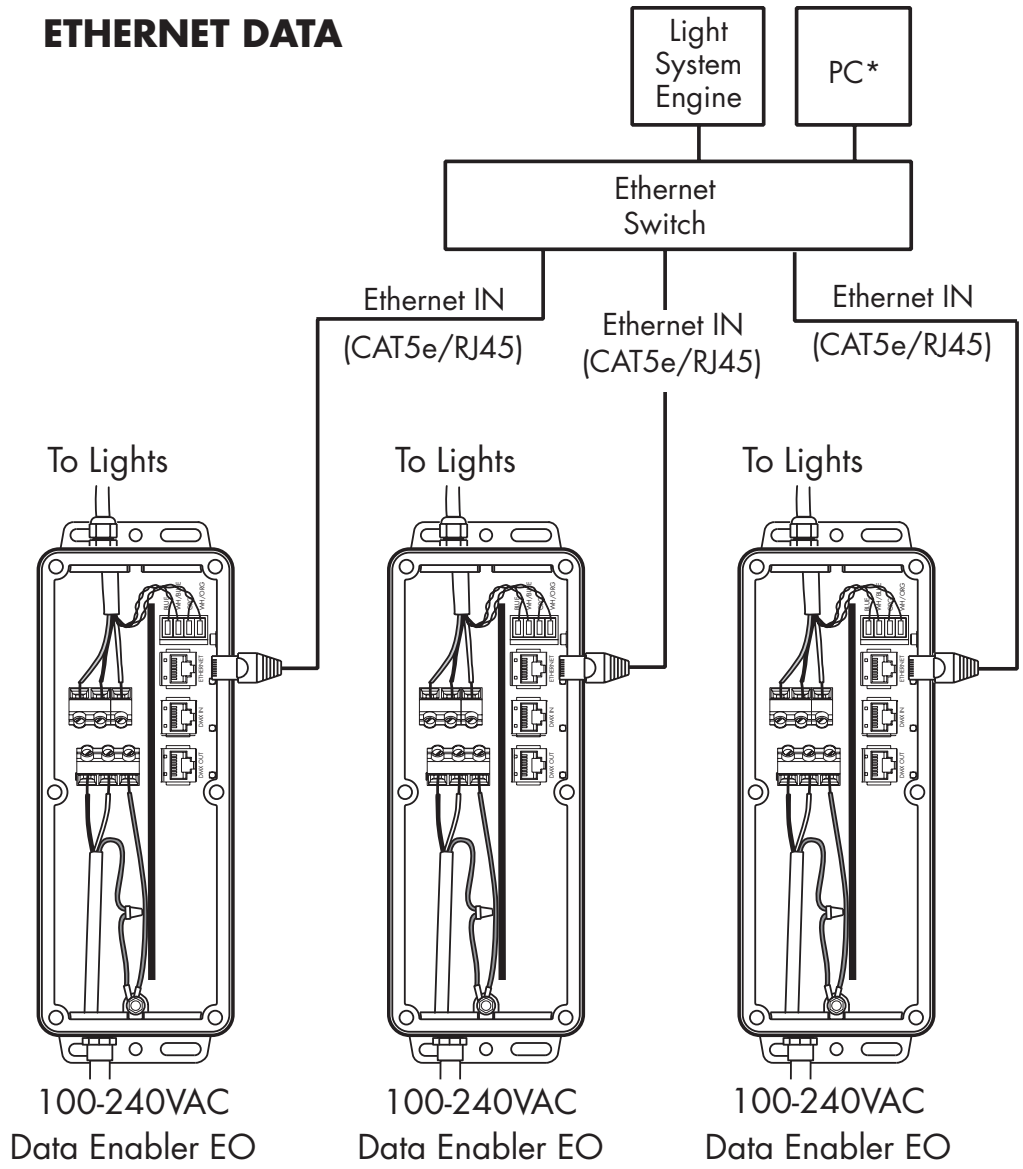


NOTE: Figure is for illustrative purposes only. All connections from a controller or switch to Data Enabler EO must go through one of the four end cut-outs.

For complete installation instructions and safety precautions, refer to the Data Enabler EO User Guide and wiring diagrams located at www.colorkinetics.com/support

FUNCTIONAL FLOW DIAGRAM

ETHERNET DATA



* PC used for show authoring and show control.

NOTE: Figure is for illustrative purposes only. All connections from a controller or switch to Data Enabler EO must go through one of the four end cut-outs.

For complete installation instructions and safety precautions, refer to the Data Enabler EO User Guide and wiring diagrams located at www.colorkinetics.com/support