Data Enabler DMX or Ethernet

Data formatting power / data supply

Data Enabler is a data formatting power / data supply designed for LED lighting fixtures employing Powercore® technology from Philips Color Kinetics.

Data Enabler is available in DMX-compatible and Ethernet-compatible versions. Both device versions are rated for indoor and outdoor use.

Data Enabler automatically accommodates input voltages ranging from 100 VAC to 240 VAC, where the maximum connected base load does not exceed 20 Amps.

Featuring a NEMA 4 (IP66) enclosure, Data Enabler installs in dry, damp, and wet locations.

Data Enabler offers multiple conduit entries to accommodate 3/4 in (19 mm) NPT conduit.

Compatible Fixtures

Color-changing and IntelliWhite® lighting fixtures using Powercore technology from Philips Color Kinetics (excluding iColor® Accent Powercore).

For device mounting details, refer to the Installation Instructions included in the product packaging, or download documentation from www.colorkinetics. com/ls/pds/dataenabler/

To calculate the number of fixtures your specific installation can support, download the Configuration Calculator from www.colorkinetics.com/support/ install_tool/

DMX Configuration
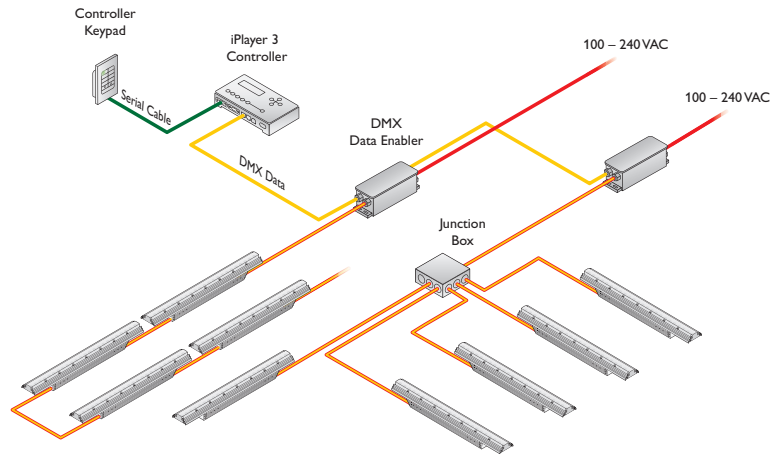
Ethernet Configuration
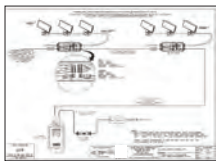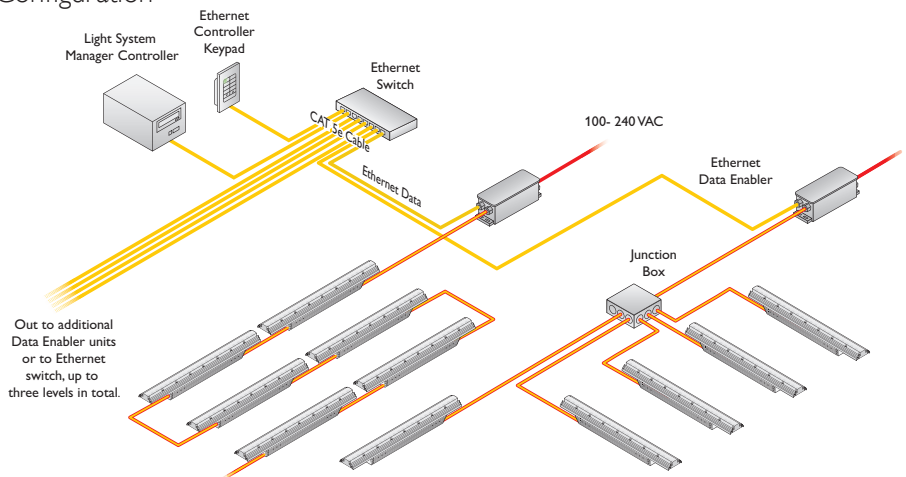
*Data Enabler wiring diagrams are available online at www.colorkinetics.com/ support/wiring/*

PHILIPS

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details	
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz	
	Maximum Input Current	Maximum connected load should not exceed 20 A	
	Internal Load	10 W	
Physical	Dimensions (Height x Width x Depth)	3.3 x 3.5 x 9.7 in (84 x 89 x 246 mm)	
	Weight	2.5 lb (1.1 kg)	
	Construction	NEMA 4 enclosure, cast aluminum, with slots for surface mounting	
	Finish	Gray matte	
	Connectors	Data Input	RJ-45 modular connector
		Power Input	3-wire terminal block connector
		Power / Data Output	4-wire terminal block connector
	Operating Temperature	-40° – 122° F (-40° – 50° C)	
	Humidity	0 – 95%, non-condensing	
	Cooling	Convection	
	Heat Dissipation	10 W	
	Data Input Source	Philips full range of controllers, third-party DMX controllers, or KiNET-compatible‡ third-party Ethernet controllers	
Certification and Safety	Certification	UL / cUL, CE, PSE	
	Environment	Dry / Damp / Wet Location, IP66	

‡ KiNET™ is the standard Ethernet lighting protocol from Philips Color Kinetics.

9.7 in (246 mm)

3.5 in (89 mm)

3.3 in (84 mm)
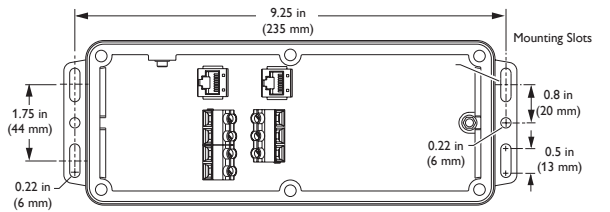
2 in (51 mm)

¾ in (19 mm) NPT 59/64 in
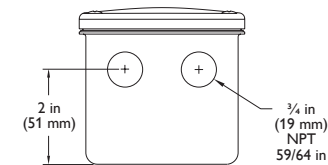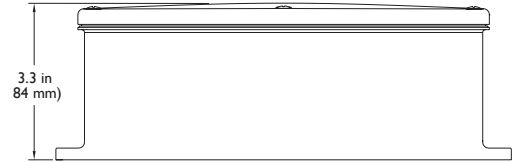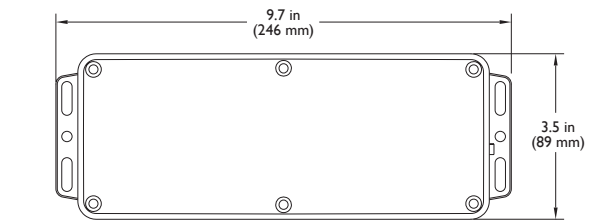
Overall Dimensions

Ordering Information

Use Item Number when ordering in North America.

Item	Included Components	Item Number	Philips 12NC
Data Enabler DMX	Data Enabler with cover and attaching screws, gasket, (4) NPT threaded seal plugs, and Installation Instructions	106-000003-04	910403326801
Data Enabler Ethernet		106-000003-05	910503700064
CK DMX to ESTA DMX Adapter*	11 in (279 mm), female RJ45 to male RJ45	104-000014-00	910503700737
XLR-5 to RJ45 Adapter*	6 ft (1.8 m), male XLR-5 to male RJ45	104-000005-00	910503700061

* An adapter may be required when using a non-Philips Color Kinetics controller with Data Enabler. Wiring diagrams and pinouts are available online at www.colorkinetics.com/support/ wiring/ls_prod.html

9.25 in (235 mm)

Mounting Slots

1.75 in (44 mm)

0.22 in (6 mm)

0.8 in (20 mm)

0.22 in (6 mm)

0.5 in (13 mm)

Mounting Dimensions
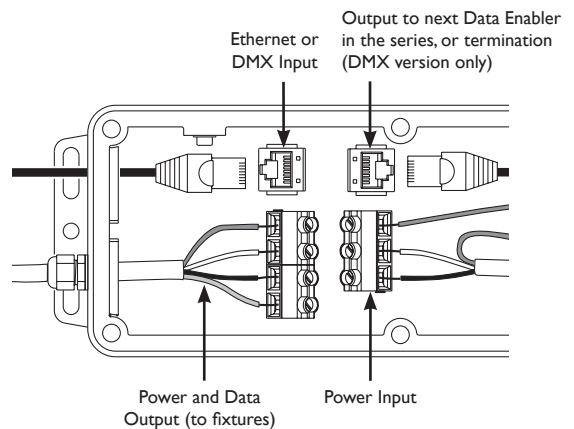
For complete instructions on using Data Enabler in a DMX or Ethernet environment, refer to the *Addressing and Configuration Guide* available online at www.colorkinetics.com/support/ addressing/

Ethernet or DMX Input

Output to next Data Enabler in the series, or termination (DMX version only)

Power and Data Output (to fixtures)

Power Input

DAS-000053-01 R00 12-09