

Date: \_\_\_\_\_  
Type: \_\_\_\_\_  
Firm Name: \_\_\_\_\_  
Project: \_\_\_\_\_



# Data Enabler Pro

Integrated data and power for intelligent LED lighting fixtures employing Powercore technology

Data Enabler Pro delivers integrated data and power to intelligent color and tunable white LED lighting fixtures employing Powercore technology from Philips Color Kinetics. Data Enabler Pro integrates many of the features of the previous generation of Data Enablers, including Data Enabler DMX, Data Enabler Ethernet, and Data Enabler EO. Data Enabler Pro is the single solution for all intelligent Powercore-based installations, whether DMX or Ethernet, color or white, indoors or outdoors.

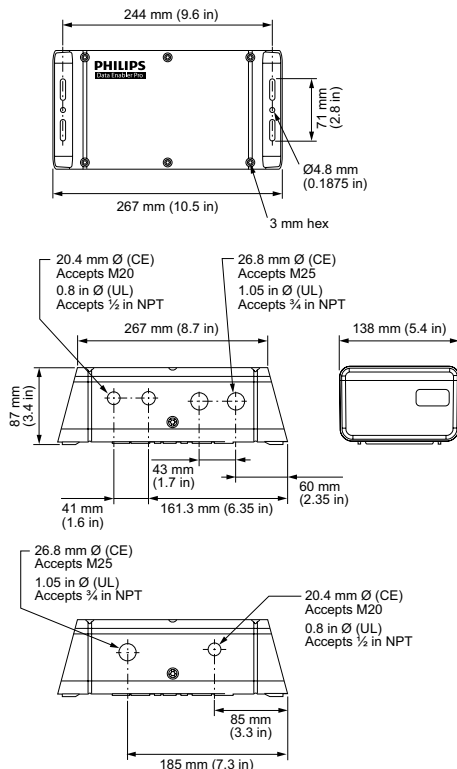
# Data Enabler Pro

Integrated data and power for intelligent LED lighting fixtures employing Powercore technology

- Easy installation — Accessible, clearly labeled terminal block connectors for DMX, Ethernet, line voltage, and fixtures make installation easy. Tethered cover with captive screws ensures convenient removal and replacement.
- Supports fixtures employing Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to LED lighting fixtures directly from line voltage. Philips Data Enabler Pro merges line voltage and control data and delivers them to Powercore fixtures over a single cable, dramatically simplifying installation and lowering total system cost.
- On-board diagnostics — On-board indicator LEDs provide visual feedback for normal operation, Ethernet connection detection, and Ethernet and DMX data transmission.
- Full support for DMX and Ethernet — Provides inputs and outputs for both DMX and Ethernet, allowing you to connect multiple Data Enabler Pro devices in series. Also provides an Ethernet output terminal for eW Accent MX Powercore and iColor Accent MX Powercore support.
- Outdoor-rated for use in damp and wet environments — Data Enabler Pro offers superior leakage protection in a cast aluminum, IP66-rated enclosure.
- Supports up to 1,000 VA of power output—DM-1000 can handle up to 450 VA at 120 VAC or up to 1,000 VA at 277 VAC.
- Multiple conduit entries — Data Enabler Pro conduit entries accommodate NPT conduit in metric sizes of PG13 and PG21 or US trade sizes of 1/2 in and 3/4 in.
- Universal power input range — Data Enabler Pro automatically senses mains voltages ranging from 100 to 277 VAC, and passes mains voltages through to all connected lights.
- Designed for maximum energy efficiency — Data Enabler Pro consumes just 20 W maximum. Optional power-saving modes automatically cut power to attached lights when lights are off for a configurable number of minutes.

For detailed product information please visit [www.colorkinetics.com/ls/pds/dataenablerpro/](http://www.colorkinetics.com/ls/pds/dataenablerpro/).

## Dimensions



# Specifications

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

Date: \_\_\_\_\_

Type: \_\_\_\_\_

Firm Name: \_\_\_\_\_

Project: \_\_\_\_\_



## Data Enabler Pro

### Electrical

Input Voltage	100 to 277 VAC*, auto-ranging, 50/60 Hz
Maximum Input Current	16.5 A maximum
Power Output	20 W maximum
Load Current	16 A maximum

For Surge Protection Requirements for LED Lighting Systems, please refer to [www.colorkinetics.com/KB/surge-protection](http://www.colorkinetics.com/KB/surge-protection).

### Connections

Power Input	3-wire PC terminal block connector†
Power/Data Input	4-wire PC terminal block connector† 4-wire IDC terminal block connector (eW Accent MX Powercore and iColor Accent MX Powercore only)‡
Data Input/Output	Double-pair, double-entry IDC connectors‡
Ethernet Input/Output	Double-pair, double-entry IDC connectors‡

\* Verify that the line voltage is appropriate for the lighting fixtures in your installation. See a specific fixture's documentation for supported line voltages.

† PC terminal block connectors accept recommended wire sizes from 8.37 to 0.823 mm<sup>2</sup> (8 to 18 AWG).

‡ IDC connectors accept wire sizes from 0.326 to 0.129 mm<sup>2</sup> (22 to 26 AWG).

§ KINET is the Ethernet lighting protocol from Philips Color Kinetics.

### Physical

Dimensions <i>(Height x Width x Depth)</i>	87 x 267 x 138 mm (3.4 x 10.5 x 5.4 in)
Weight	2.4 kg (5.4 lb)
Housing Material	Aluminium
Mounting	Cast aluminum enclosure with slots for surface mounting
Temperature Ranges	-40 to 50 °C (-40 to 122 °F) Operating -20 to 50 °C (-4 to 122 °F) Startup -40 to 80 °C (-40 to 176 °F) Storage
Humidity	0 to 95%, non-condensing
Cooling	Convection
Heat Dissipation	20 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, FCC Class A, CE, C-Tick
Environment	Dry/Damp/Wet Location, IP66



## Part numbers

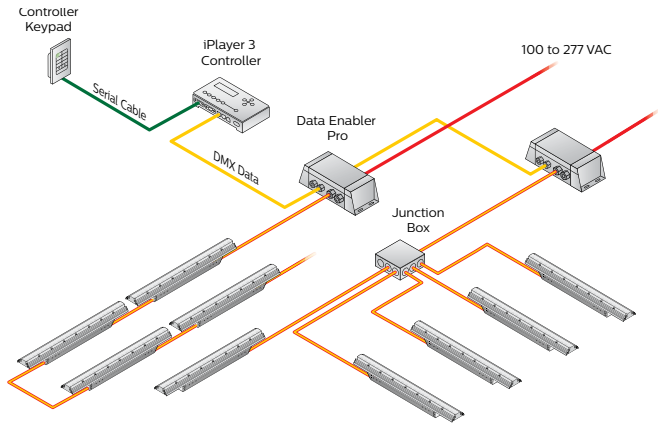
Use Item Number when ordering in North America.

### Power/Data Supply

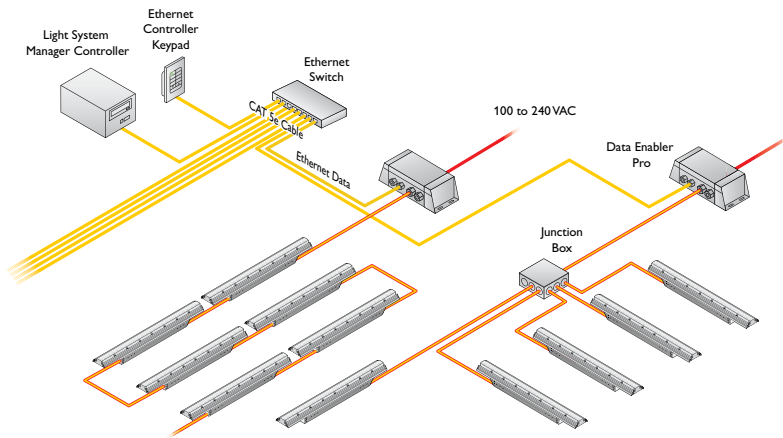
	Item Number	Philips 12NC
Data Enabler Pro, PG21/PG13 (metric size conduit)	106-000004-01	910503701211
Data Enabler Pro, 3/4 in / 1/2 in NPT (US trade size conduit)	106-000004-00	910503701210

# Installation Examples

## DMX Configuration



## Ethernet Configuration



Copyright © 2018 Philips Lighting Holding B.V., All rights reserved. Chromacore, Chromasic, CK, the CK logo, Color Kinetics, the Color Kinetics logo, ColorBlast, ColorBlaze, ColorBurst, ColorGraze, ColorPlay, ColorReach, iW Reach, eW Reach, DIMand, EssentialWhite, EvenBalance, eW, iColor, iColor Cove, IntelliWhite, iW, iPlayer, Optibin, and Powercore are either registered trademarks or trademarks of Philips Lighting Holding B.V. in the United States and/or other countries. All other brand or product names are trademarks or registered trademarks of their respective owners. Due to continuous improvements and innovations, specifications may change without notice.  
 DAS-000188-01 R02 02 Aug 2018

