



# PDS-400 48V EO

Ethernet, CE

High-wattage and outdoor rated power and data supply for large scale architectural and media applications

PDS-400 48V EO delivers integrated data and power to intelligent color and tunable white LED lighting fixtures. PDS-400 48V EO is the single solution for all large scale outdoor Ethernet intelligent installations whether color or white.

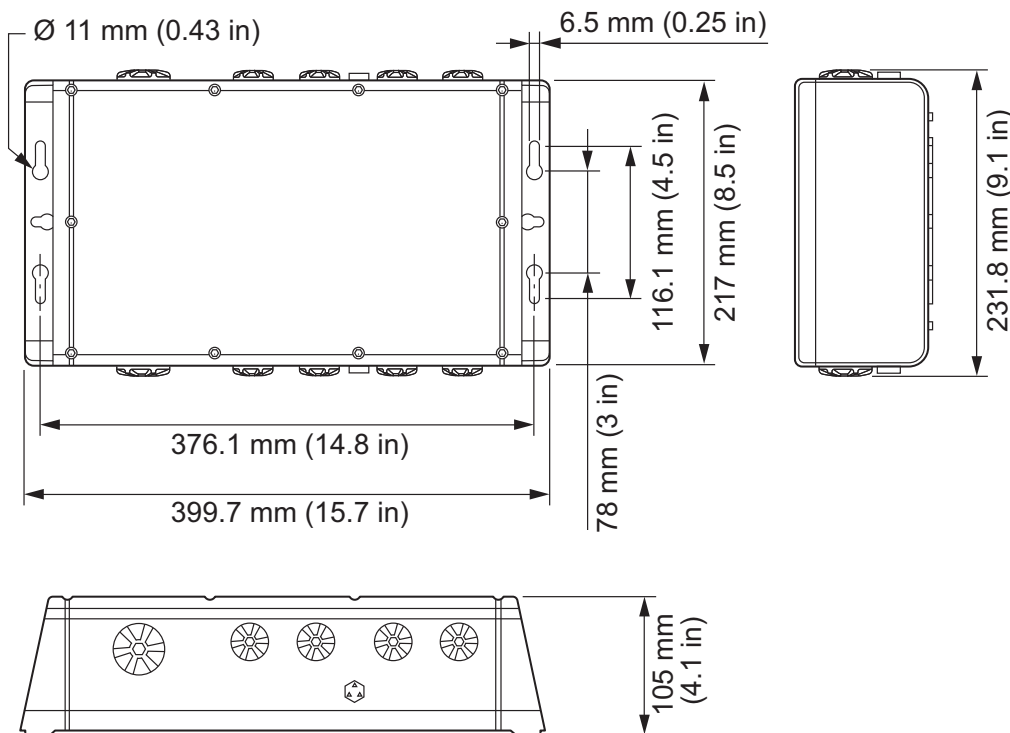
# PDS-400 48V EO

High-wattage and outdoor rated power and data supply for large scale architectural and media applications

- Easy installation—Accessible, clearly labeled terminal block connectors for Ethernet, line voltage, and fixtures make installation easy. Tethered cover with captive screws ensures convenient removal and replacement.
- Supports Ethernet intelligent fixtures—Philips PDS-400 48V EO merges line voltage and control data and delivers them to the 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 data transmission.
- Replaceable power supply—PS-600 48V can be easily installed to replace the power supply of any existing PDS-400 48V EO device without the need to remove the entire PDS-400 48V EO device.
- Outdoor-rated for use in damp and wet environments—PDS-400 48V EO offers superior leakage protection in a cast aluminum, IP66-rated enclosure.
- Multiple conduit entries—PDS-400 48V EO conduit entries accommodate NPT conduit in US trade sizes of 1/2 in and 3/4 in, or metric sizes of PG13.5 and PG16.
- Universal power input range—PDS-400 48V EO automatically senses line voltages ranging from 100 to 277 VAC, and passes line voltages through AC daisy chain to all connected PDS-400 48V EO devices.
- ActiveSite integration—ActiveSite is the first ever cloud-hosted connected lighting system for architectural LED lighting installations. ActiveSite allows you to remotely monitor, manage, and maintain an installation site from anywhere in the world, using a secure web connection.

For detailed product information, please refer to the PDS-400 48V EO Product Guide at [www.colorkinetics.com/ls/pds/pds400/](http://www.colorkinetics.com/ls/pds/pds400/).

## Dimensions



# Specifications

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



**PDS-400 48V EO**  
Ethernet, CE

## Electrical

Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz
Maximum Input Current	16 A maximum
Load Current	8.5 A

## Connections

Threaded Openings PG16 for power, PG13.5 for data

### Data Input Source

Philips Color Kinetics full range of controllers, including Light System Manager, Video System Manager Pro, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro, or third-party controllers

Power Input	3-wire terminal block connector†
Power/Data Output <i>(To luminaire)</i>	2-wire terminal block connector† Double-pair, double-entry IDC connectors‡
Ethernet Input/Output	Double-pair, double-entry IDC connectors‡

† Terminal block connectors accept recommended wire sizes from 0.2 to 6 mm<sup>2</sup> (10 to 24 AWG) for 3-wire and 0.5 to 3.3 mm<sup>2</sup> (12 to 20 AWG) for 2-wire.

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

## Physical

Dimensions <i>(Height x Width x Depth)</i>	105 x 232 x 400 mm (4 x 9 x 15 in)
Weight	9 kg (19.8 lb)
Housing Material	Cast aluminium enclosure
Finish	Powder-coated industrial gray matte
Mounting	Slots for surface mounting
Compatible Fixtures	iColor Accent Compact
Temperature Ranges	-40 to 50 °C (-40 to 122 °F) Operating -20 to 50 °C (-20 to 122 °F) Startup -40 to 80 °C (-40 to 176 °F) Storage
Humidity	0 to 95%, non-condensing
Cooling	Convection

## Certification and Safety

Certification	CE, FCC Class A, RCM
Environment	Dry/Damp/Wet Location, IP66



# Part numbers

Use Item Number when ordering in North America.

Power/Data Supply	Item Number	Philips 12NC
PDS-400 48V EO, CE	109-000200-01	912400134110

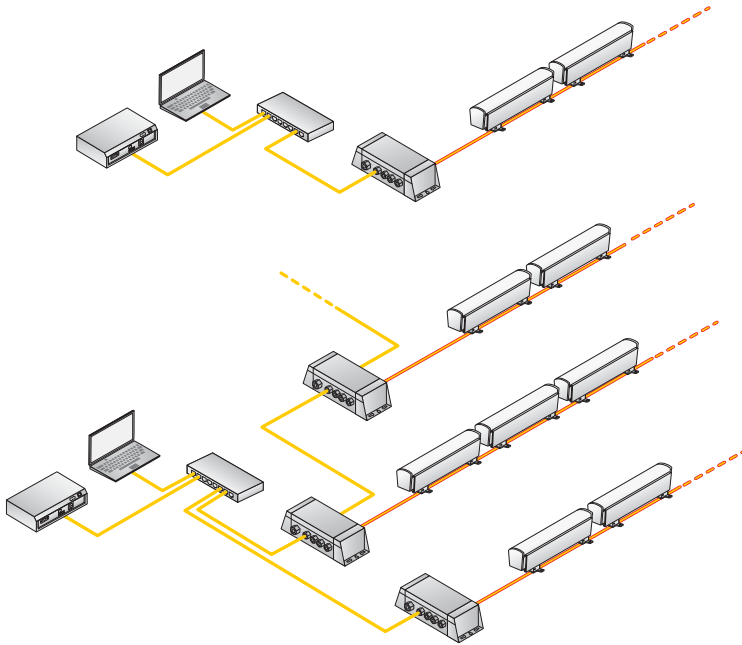
# Additional Information

For device mounting and maintenance details, refer to the Installation Instructions included in the product packaging, or download documentation from [www.colorkinetics.com/ls/pds/pds400/](http://www.colorkinetics.com/ls/pds/pds400/).

For complete instructions on configuring the PDS-400 48V EO for use in an Ethernet environment, or using pre-configured controls, refer to the PDS-400 48V EO Product Guide available online at [www.colorkinetics.com/ls/pds/pds400/](http://www.colorkinetics.com/ls/pds/pds400/).

# Installation Examples

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, eW Fuse, ColorGraze, ColorPlay, ColorReach, iW Reach, eW Reach, DIMand, EssentialWhite, eW, EvenBalance, 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-000157-02 R02 23 Feb 2018



Philips Color Kinetics  
[www.philips.com/colorkinetics](http://www.philips.com/colorkinetics)