



# PDS-400 48V EO

Ethernet, UL

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.

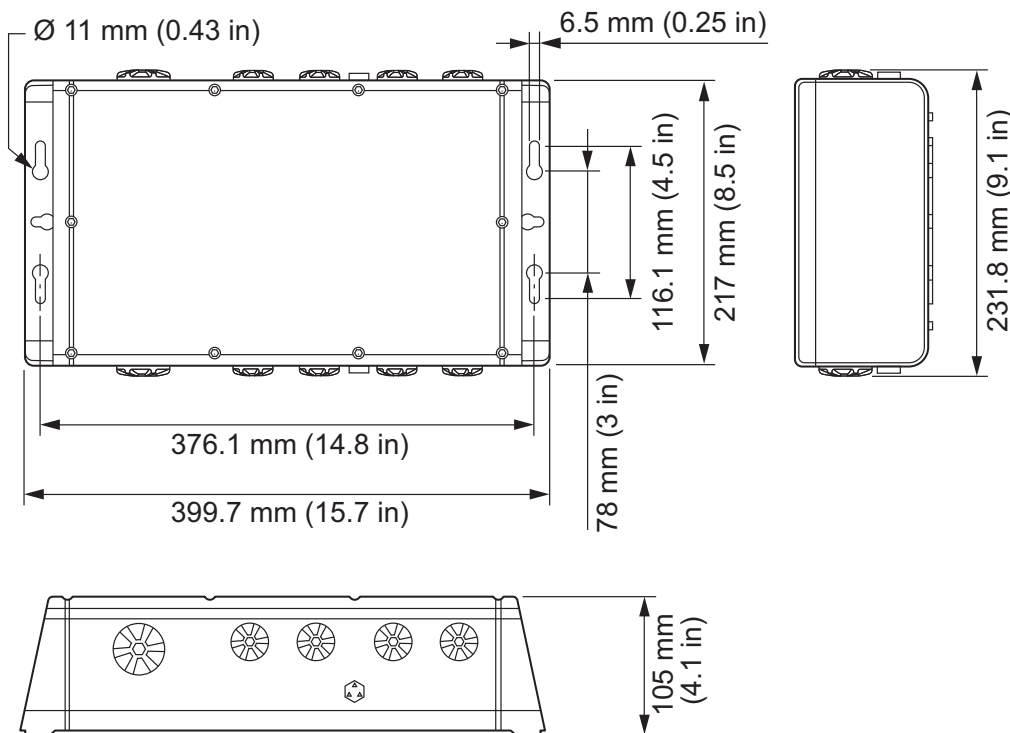
# PDS-400 48V EO

## 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/lis/pds/pds400/](http://www.colorkinetics.com/lis/pds/pds400/).

## Dimensions



# Specifications

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



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## 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 3/4 in NPT for power, 1/2 in NPT 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‡

† PC 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	UL/cUL, 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, UL	109-000200-00	912400133799

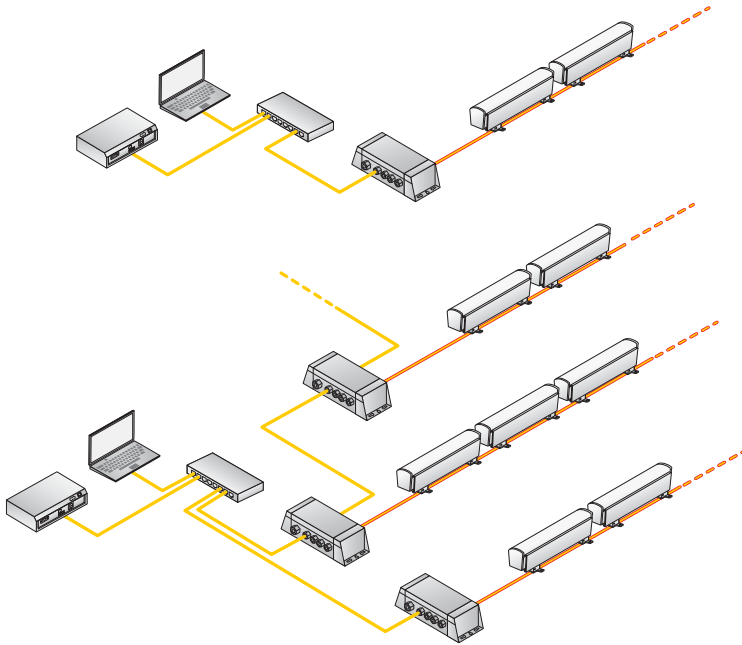
# Additional Information

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



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