

PDS-400 48 V EO

Date: _____
Type: _____
Firm Name: _____
Project: _____

Ethernet, UL

POWER/DATA SUPPLY

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

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



- Easy installation—Accessible, clearly labeled terminal block connectors for Ethernet, line voltage, and luminaires make installation easy. Tethered cover with captive screws ensures convenient removal and replacement.
- Supports Ethernet intelligent luminaires—PDS-400 48 V EO merges line voltage and control data and delivers them to the luminaires 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 48 V can be easily installed to replace the power supply of any existing PDS-400 48 V EO device without the need to remove the entire PDS-400 48 V EO device.
- Outdoor-rated for use in damp and wet environments—PDS-400 48 V EO offers superior leakage protection in a cast aluminium, IP66-rated enclosure.
- Multiple conduit entries—PDS-400 48 V 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 48 V EO automatically senses line voltages ranging from 100 to 277 VAC, and passes line voltages through AC daisy chain to all connected PDS-400 48 V EO devices.

For more information, please refer to <https://www.colorkinetics.com/global/products/pds/pds400>

Specifications

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

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	Color Kinetics full range of controllers, including Light System Manager, Video System Manager Pro, Antumbra iColor Keypad, and ColorDial Pro, or third-party controllers.
Power Input	3-wire terminal block connector†
Power/Data Output	2-wire terminal block connector Double-pair, double-entry IDC connectors
Ethernet Input/Output	Double-pair, double-entry IDC connectors‡
Compatible luminaires	iColor Accent Compact

† Terminal block connectors accept recommended wire sizes from 0.2 to 6 mm² (10 to 24 AWG) for 3-wire and 0.5 to 3.3 mm² (12 to 20 AWG) for 2-wire.

‡ IDC connectors accept wire sizes from 0.326 to 0.129 mm² (22 to 26 AWG)

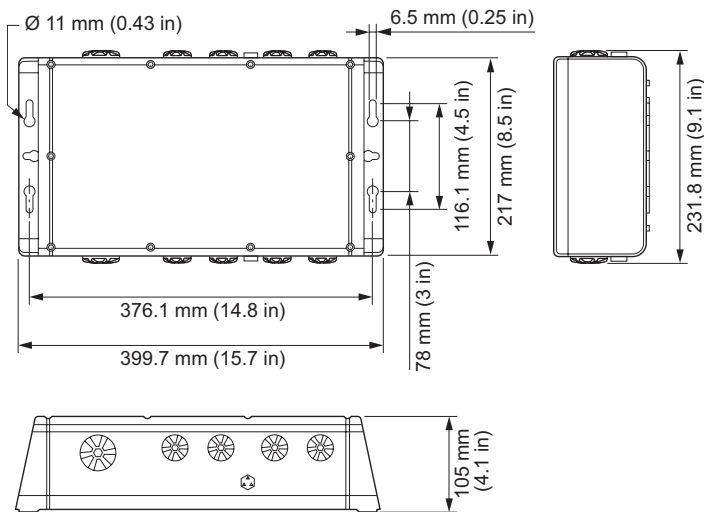
Physical

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

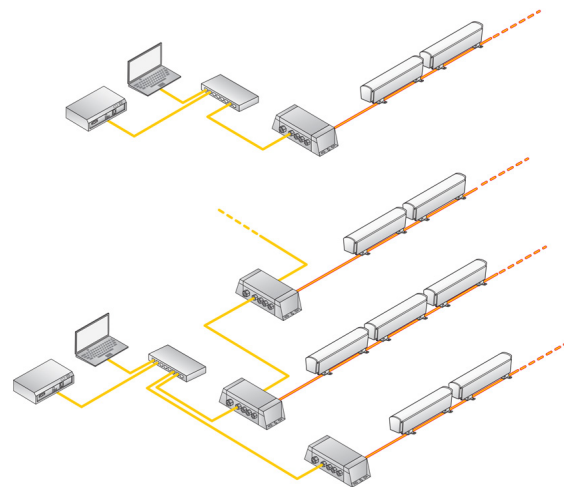
Certification and Safety

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

Dimensions



Ethernet Configuration



Part Numbers

Use Item Number when ordering in North America.

Power/Data Supply†

PDS-400 48 V EO, Ethernet, UL

Item Number

109-000200-00

Item 12NC

912400133799



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Color Kinetics
www.colorkinetics.com