

sPDS-480ca 24V



FEATURES

- 2U Rack Mount
- Flexible, easy installation
- Ethernet ready
- Variable speed fans
- On-board configuration and monitoring tools
- Backlit LCD display

Color Kinetics® sPDS-480ca 24V intelligent, rack-mountable power/data supply is specifically designed for Color Kinetics 24 volt Chromasic®-driven fixtures. sPDS-480ca 24V is a robust 480 watt power source and is ideal for large installations. The data circuitry translates data supplied from Ethernet controllers, including Color Kinetics Light System Manager and Video System Manager, to a format compatible with the fixtures. sPDS-480ca 24V features on-board system configuration and monitoring capabilities. The integration of power and data simplifies fixture wiring, and the built-in configuration tools make initial setup and testing easy, without the need for additional equipment.

sPDS-480ca 24V is housed in a 2U rack-mountable enclosure designed for use in cabinets and racks, or surface-mounted to flat surfaces such as walls. The power supply automatically accommodates supply voltages ranging from 100VAC to 240VAC, and a standard IEC power inlet accepts interchangeable power cords. Color Kinetics 24V Chromasic-driven fixtures come with pre-attached connectors for easy connection to output ports. An RJ45 data input accepts standard Category 5 Ethernet cables.

The power supply features over-temperature detection and selectable shutdown options to alert the user when the unit is operating significantly beyond its rated maximum temperature. Variable speed fans keep noise levels low, and feature serviceable air filters. Fused outputs protect against short circuits, and blown fuses are reported on the front panel display.



ITEM# 109-000026-00 (Ethernet)

For use under one or more of the following patents: U.S. Patent Nos. 6,016,038, 6,150,774, 6,777,891, and other patents listed at <http://colorkinetics.com/patents/>. Other patents pending.

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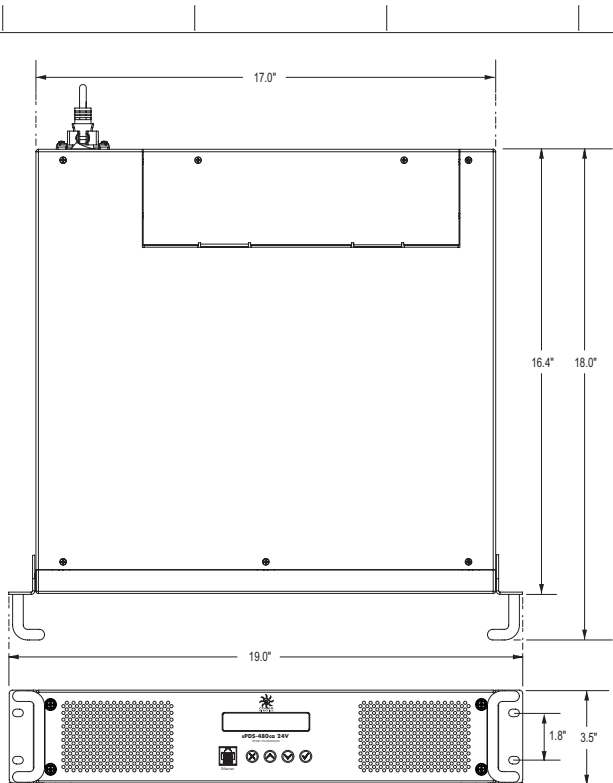
Specifications subject to change without notice. Refer to www.colorkinetics.com for the most recent data sheet versions.

sPDS-480ca 24V SPECIFICATIONS

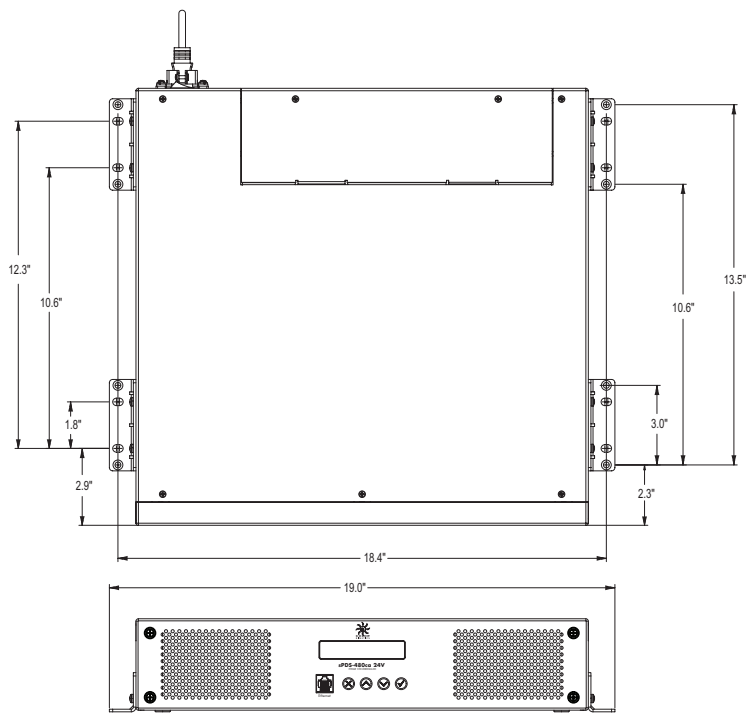
POWER INPUT	100VAC to 240VAC auto ranging (50Hz–60Hz)
MAX. INPUT CURRENT	6A-2.5A 50-60Hz
POWER OUTPUT	24VDC, 480W
HEAT DISSIPATION	25 percent of total power input
AMBIENT OPERATING TEMP	14°F to 122°F (-10°C to 50°C)
HOUSING	Overall dimensions: 19" x 18" x 3.5" (48.3 cm x 45.7 cm x 8.9 cm)
CONNECTORS	Data: RJ45 input connector Power Output: 8 4-pin output connectors Power Input: IEC 320 receptacle type C13 with locking clamp
DATA INPUT INTERFACE	Ethernet using Color Kinetics Light System Manager or Video System Manager
DATA OUTPUT INTERFACE	Chromasic 24V
LISTINGS	UL/cUL, CE
MAX. # OF FIXTURES	8 eW Flex SLX fixtures

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PHYSICAL DIMENSIONS



Dimensions for Rack Mounting

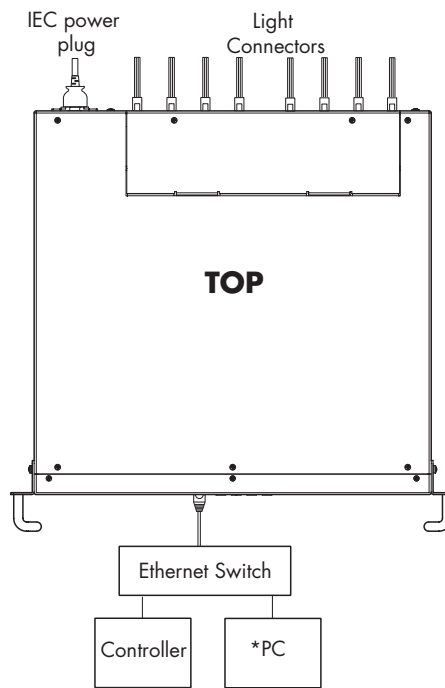
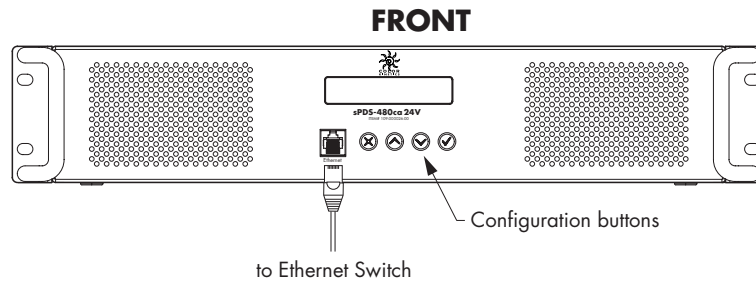
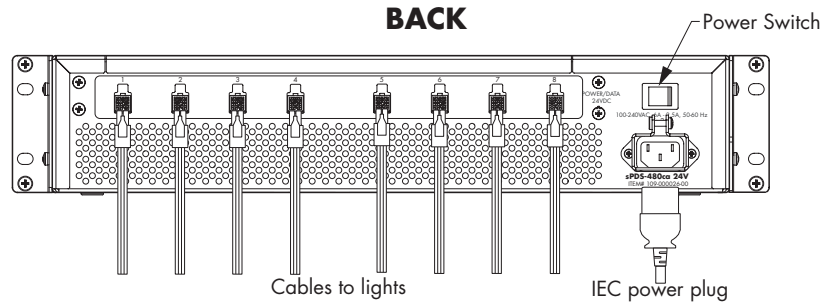


Dimensions for Surface Mounting

sPDS-480ca 24V ITEM # 109-000026-00	
DATA CONNECTOR	Input: RJ45
OUTPUT CONNECTOR	8 4-pin receptacles
SUPPLY CONNECTOR	IEC 320 Receptacle
WEIGHT	26.5 lbs (12 kg)

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FUNCTIONAL FLOW DIAGRAM



For complete installation instructions and safety precautions, refer to the sPDS-480ca 24V User Guide and wiring diagrams located at www.colorkinetics.com/support.

*PC used for show authoring and show control.