

sPDS-480ca 7.5V



FEATURES

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

CHROMACORE[®]
BY COLOR KINETICS



ITEM# 109-00022-00 (Ethernet)

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Color Kinetics[®] sPDS-480ca 7.5V intelligent, rack-mountable power/data supply is specifically designed for Color Kinetics 7.5 volt Chromasic[®] fixtures. sPDS-480ca 7.5V 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 7.5V 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 7.5V 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 7.5V Chromasic 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.

sPDS-480ca 7.5V SPECIFICATIONS

POWER INPUT	100VAC to 240VAC auto ranging (50Hz–60Hz)
MAX. INPUT CURRENT	8A at 100VAC, 7A at 120VAC, 3.5A at 240VAC
POWER OUTPUT	7.5VDC, 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: 16 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 7.5V
CLASSIFICATION	Class 2
LISTINGS	UL/cUL, CE

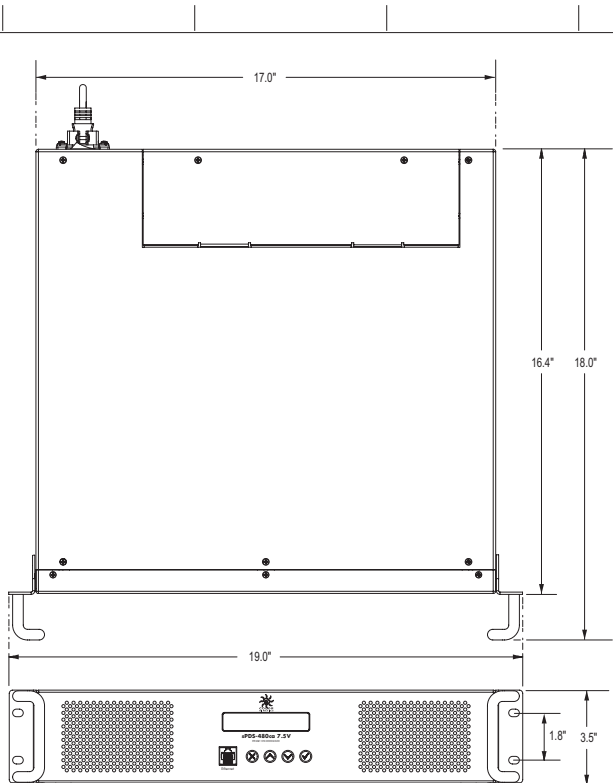
MAXIMUM FIXTURE SPECIFICATION

Refer to the following table for maximum fixture specifications.

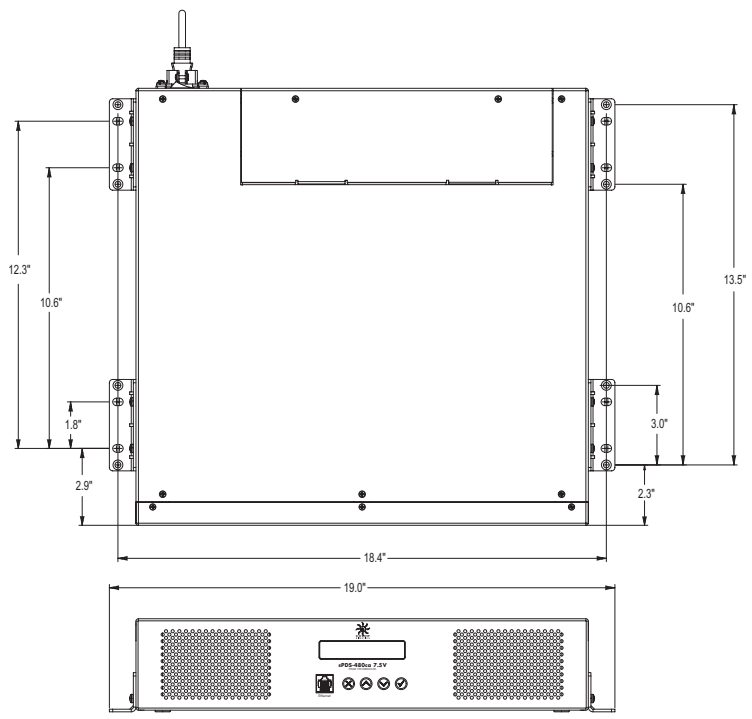
Fixture	Max. per Power Supply	Best Wiring Method(s)
iColor Flex SL	16 strings	Direct Connect
iColor Tile FX: 2:2	8 pieces	Direct Connect
iColor Module FX 6:9	128 pieces	Daisy Chain w/Color Kinetics Jumpers
iColor Module FX 6:36	32 pieces	Daisy Chain w/Color Kinetics Jumpers

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PHYSICAL DIMENSIONS



Dimensions for Rack Mounting

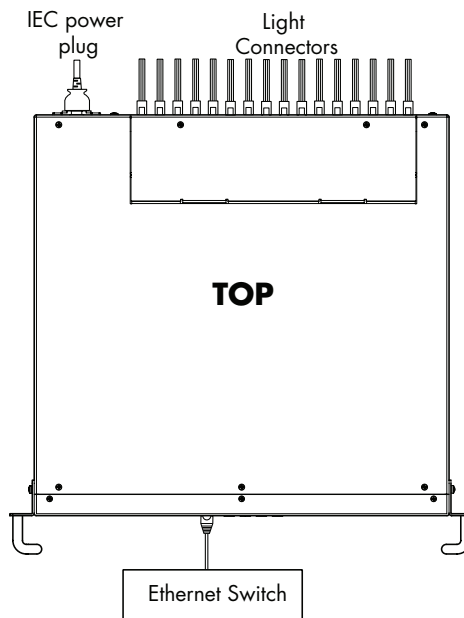
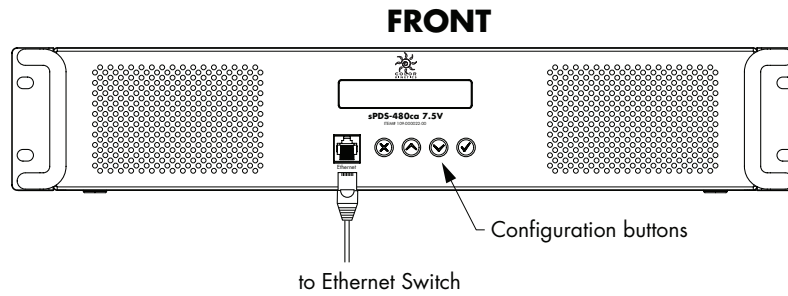
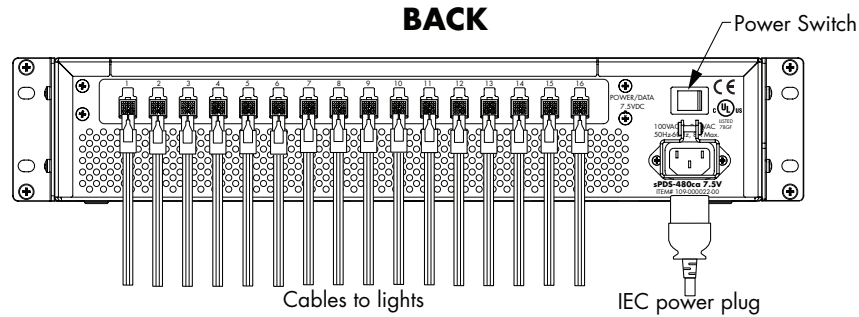


Dimensions for Surface Mounting

sPDS-480ca 7.5V ITEM # 109-000022-00	
DATA CONNECTOR	Input: RJ45
OUTPUT CONNECTOR	16 4-pin receptacles
SUPPLY CONNECTOR	IEC 320 receptacle
WEIGHT	28.7 lbs (13 kg)

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FUNCTIONAL FLOW DIAGRAM



For complete installation instructions and safety precautions, refer to the sPDS-480ca 7.5V User Guide and wiring diagrams located at www.colorkinetics.com/support.

*PC used for show authoring and show control.