

Date: _____
Type: _____
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Project: _____

sPDS-480ca 24V

POWER/DATA SUPPLY

Power/data supply for large-scale Ethernet installations

sPDS-480ca 24V is a power/data supply designed for large-scale Ethernet LED lighting installations using low-voltage luminaires from Color Kinetics.



- sPDS-480ca 24 V delivers 480 watts of output via eight 60-watt ports and automatically accommodates input voltages ranging from 100 VAC to 240 VAC. Short-circuit protection prevents device failure due to incorrectly wired fixtures. The standard IEC power inlet accepts both US and international power cables.
- With onboard controls, sPDS-480ca 24 V incorporates automatic fixture discovery and testing, eliminating the need for additional addressing tools or software. sPDS-480ca 24 V features a backlit LCD for easy menu viewing.
- Housed in a 2U rack-mountable enclosure, sPDS-480ca 24 V includes rack handle and surface-mount brackets, for versatile mounting options.
- Over-temperature detection and selectable shutdown options protect sPDS-480ca 24 V against operation beyond its rated temperature specification. Variable-speed fans keep noise levels low and include serviceable air filters.

For more information, please refer to www.colorkinetics.com/ls/pds/spds48024/

Specifications

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

Electrical

Input Voltage	100 to 240 VAC, auto-switching, 50/60 Hz*
Fuse Rating	(8) 4 A, 125 V, 5 x 20 fast blow fuses
Power Consumption	6 A at 100 VAC 5 A at 120 VAC 2.5 A at 240 VAC
Power Output	24 VDC, 480 W (60 W per power port)

Connections

Data Input Source

Color Kinetics full range of controllers, or KiNET-compatible* third-party Ethernet controllers

Power Input	IEC 320 receptacle type C13, locking clamp
Data Input	RJ-45 input connector
Power/Data Output	(8) 4-pin output receptacles

Compatible Luminaires

eW Flex Micro	600 nodes
eW Flex Compact	480 nodes
iColor Flex LMX gen2	480 nodes

* KiNET is the Ethernet lighting protocol from Color Kinetics.

Physical

Dimensions (Height x Width x Depth)	89 x 483 x 457 mm (3.5 x 19 x 18 in)
Weight	12 kg (26.5 lb)
Housing	2U aluminium chassis
Mounting	Rack and Surface-mountable
Finish	Black matte
Operating Temperature	-10 to 50 °C (14 to 122 °F)
Startup Temperature	-10 to 50 °C (14 to 122 °F)
Storage Temperature	-40 to 80 °C (-40 to 176 °F)
Humidity	0 to 95%, non-condensing
Cooling	(2) speed-configurable fans, with serviceable air filters
Airflow	Front panel input, back panel output
Heat Dissipation	25% of total power input

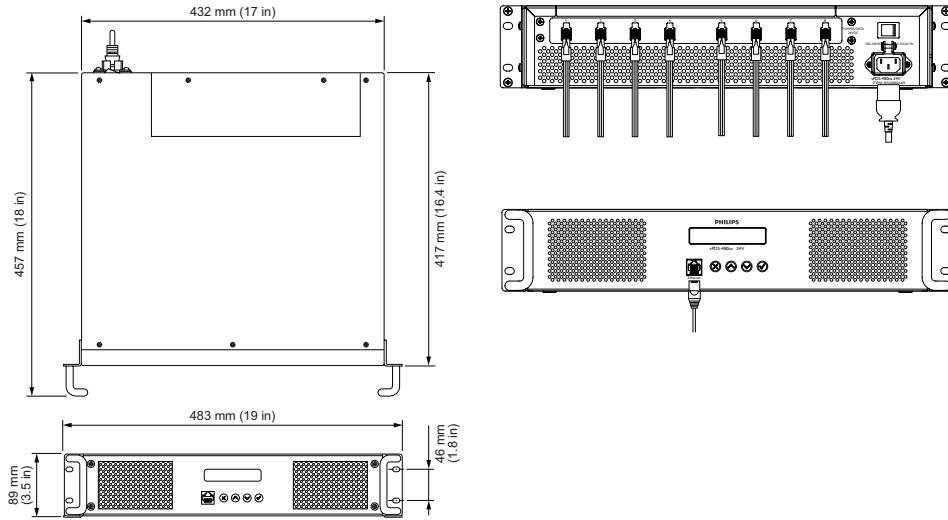
Certification and Safety

Certification	UL/cUL, FCC Class A, CE, PSE
Classification	UL Class 2 power supply
Environment	Dry Location, IP20

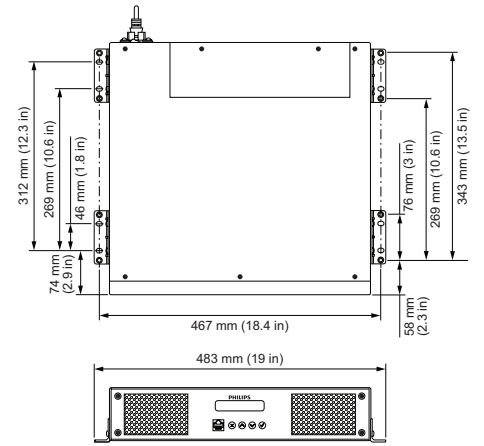


Dimensions

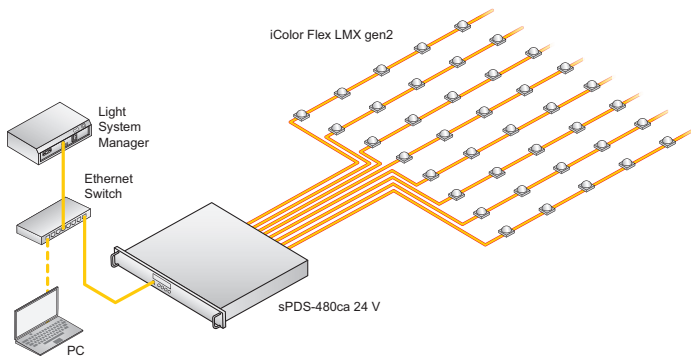
Rack Mount Configuration



Surface Mount Configuration



Installation Example



Each sPDS-480ca 24 V unit delivers power and data to a maximum of 480 nodes. The maximum number of sPDS-480ca 24 V units per installation varies based on the controller type and the node quantities of the luminaires.

Part Numbers

Use Item Number when ordering in North America.

Power/Data Supply

sPDS-480ca 24V

Power/data supply, IEC US power cord, rack-mount brackets, surface-mount brackets, and Installation Instructions

Item Number

109-000026-01

Item 12NC

912400133528



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Color Kinetics
www.colorkinetics.com