



Date: \_\_\_\_\_ Type: \_\_\_\_\_

Firm Name: \_\_\_\_\_

Project: \_\_\_\_\_

# PDS-60 24V DMX / Ethernet

Power / data supply for indoor and outdoor applications



☰ For device mounting and maintenance details, refer to the *Installation Instructions* included in the product packaging, or download documentation from [www.colorkinetics.com/ils/pds/pds60/](http://www.colorkinetics.com/ils/pds/pds60/)

PDS-60 24V is a versatile power / data supply designed for indoor and outdoor LED lighting installations using fixtures from Philips Color Kinetics.

Featuring a NEMA 4 (IP66) enclosure, PDS-60 24V installs in dry, damp, and wet locations.

PDS-60 24V is compatible with both Ethernet and DMX controllers.

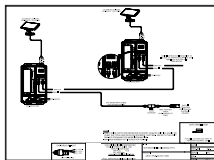
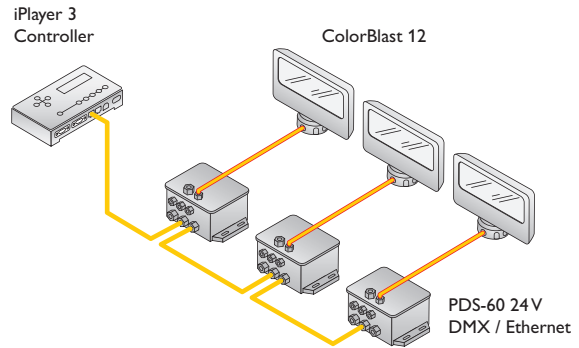
PDS-60 24V offers multiple standard-size conduit entries to accommodate 1/2 in (13 mm) and 3/4 in (19 mm) trade-sized conduit.

PDS-60 24V delivers 62 watts of power output and accommodates input voltages ranging from 100 VAC to 240 VAC. Short-circuit protection prevents device failure due to incorrectly wired fixtures.

## Compatible Fixtures

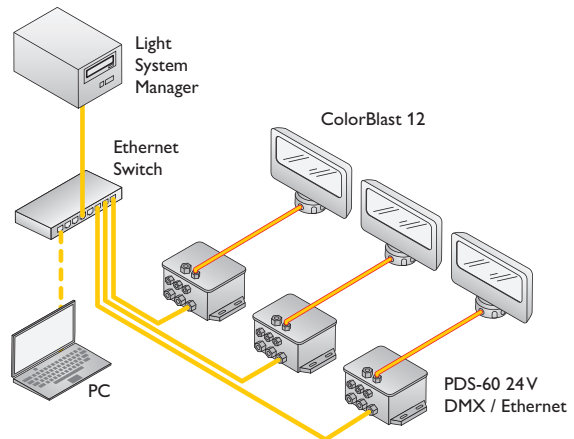
Fixture	Max. Quantity Per PDS-60 24V
ColorBlast 6	2
ColorBlast 12	1
ColorBurst 6	2
C-Splash 2	2

## DMX Configuration



☰ PDS-60 24V wiring diagrams are available online at [www.colorkinetics.com/support/wiring/](http://www.colorkinetics.com/support/wiring/)

## Ethernet Configuration

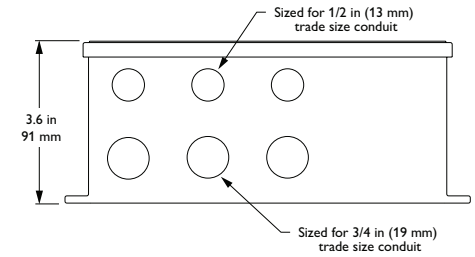
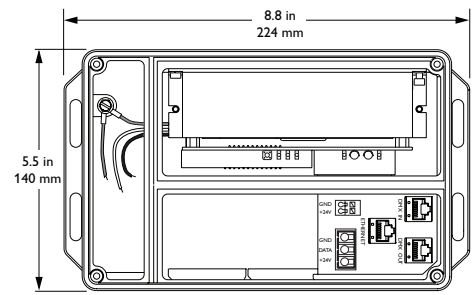


# Specifications

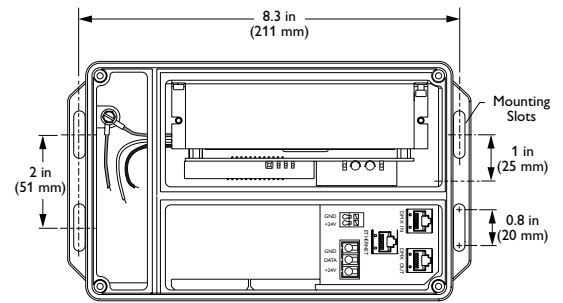
Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details	
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 – 60 Hz	
	Maximum Input Current	1.7 A at 100 VAC, 1.5 A at 120 VAC, .75 A at 240 VAC	
	Power Output	24 VDC, 62 W maximum	
	Fuse Rating	(2) 4 A, 5 x 20 fast blow fuses	
Physical	Dimensions (Height x Width x Depth)	3.6 x 5.5 x 8.8 in (91 x 140 x 224 mm)	
	Weight	4.5 lb (2.0 kg)	
	Construction	Cast aluminum enclosure with slots for surface mounting	
	Finish	Gray matte	
	Connectors	Data	RJ-45 input and output connectors
		Power / Data Output	3-pin terminal block
		Power Input	Line-neutral-ground cable, flying leads
		Accessory Power	2-pin spring terminal
	Temperature Ranges	14° – 104° F (-10° – 40° C) Operating 14° – 122° F (-10° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage	
	Humidity	0 – 95%, non-condensing	
	Cooling	Convection	
Heat Dissipation	25% of total power input at maximum load		
Data Input Source	Philips full range of controllers, third-party DMX controllers, or KiNET-compatible* third-party Ethernet controllers		
Certification and Safety	Certification	UL / cUL, CE, PSE, C-Tick, SAA	
	Classification	UL Class 2 power supply	
	Environment	Dry / Damp / Wet Location, IP66	

\* KiNET is the Ethernet lighting protocol from Philips Color Kinetics.    



Overall Dimensions



Mounting Dimensions

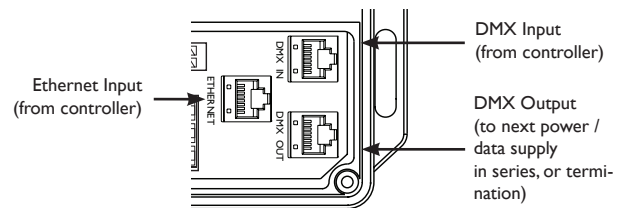
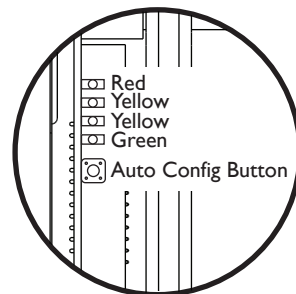
# Ordering Information

Item	Included Components	Item Number	Philips 12NC
PDS-60 24V DMX / Ethernet	Power / data supply, (3) EMI suppression cores, (2) spare fuses, (8) NPT threaded seal plugs, and Installation Instructions	109-000017-03	910503700097

Use Item Number when ordering in North America.

PDS-60 24V listens for data on both the DMX and Ethernet input ports. When valid data is detected, PDS-60 24V automatically switches to the appropriate mode:

- In DMX mode, the red status light located inside the device housing is lit continuously.
- In Ethernet mode, the red status light blinks approximately once per second.
- The green status displays solid when a valid Ethernet link is detected.
- The yellow status light flickers as Ethernet data is received.



For complete instructions on configuring the PDS-60 24V for use in an Ethernet or DMX environment, or using pre-configured controls, refer to the *Addressing and Configuration Guide* available online at [www.philipscolorkinetics.com/support/addressing/](http://www.philipscolorkinetics.com/support/addressing/)



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