PDS-750 TRX

Versatile power / data supply for entertainment applications

PDS-750 TRX is a versatile, multi-protocol power / data supply designed for entertainment and event installations with Philips Color Kinetics fixtures, including the latest generation of LED lighting: ColorBlast TRX, ColorBlast TR (16 and 8 bit), and iW Blast TR.

- Compatible with all popular protocols — PDS-750 TRX can accept KiNET, Streaming ACN, and Art-Net over Ethernet. It supports USITT standard 5-pin DMX and ESTA RDM DMX input and output, and includes wireless DMX via a built-in SHoW wireless receiver.

- Ethernet pass-thru capabilities — Includes two EtherCON connectors and built-in Ethernet switch to provide pass-thru to downstream devices, as well as a built-in Ethernet node gateway, which, when using one of the Ethernet control protocols, allows the assignment of any of the 12 outputs (or the DMX output) to one of two virtual DMX512 universes.

- On-board addressing controls and built in effects — Includes seven configurable visual effects which you can trigger with on-board controls. These controls include addressing and fixture configuration capabilities that eliminate the need for external addressing tools or software. The PDS-750 TRX includes a USB port for firmware updates.

- Heavy-duty steel and aluminum enclosure — The device's rugged NEMA 1 (IP20) enclosure is designed for dry locations and is ideal for temporary installations and demanding environments typical of entertainment and rental applications.

- Versatile mounting — Convertible mounting brackets can be bolted to the device vertically or horizontally and fit to 4U sized racks. Brackets can also be bolted to C-clamps.

- Accommodates various voltages and protects against short-circuits — Automatically accommodates input voltages ranging from 100 VAC to 240 VAC. Short-circuit protection prevents device failure due to incorrectly wired fixtures.

For device mounting details, refer to the Installation Instructions included in the product packaging, or download documentation from www.citytheatrical.com/ck.htm

Compatible Fixtures

Fixture	Maximum Quantity Per PDS-750 TRX
ColorBlast TRX	12
ColorBlast TR	12
iW Blast TR	12

PHILIPS

Specifications

Due to continuous improvements, specifications may change without notice.

Item	Specification	Details
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz
	Power Output	24 VDC, 3 A current limit per circuit, 750 W maximum
Physical	Dimensions (Height x Width x Depth)	5.3 x 19 x 8 in (134 x 483 x 204 mm)
	Weight	14 lb (6.4 kg)
	Construction	Heavy-duty steel and aluminum NEMA-1 housing, with standard theatrical C-clamp and safety cable mounting points
	Finish	Black matte
	Connectors — Data Input	5-pin XLR supports DMX / RDM
		Wireless SHoW DMX antenna
	Connectors — Data Output	5-pin XLR supports DMX / RDM
	Connectors — Data Input / Output	(2) RJ45-compatible EtherCon Ethernet ports support Art-Net, Streaming DMX over ACN, KiNET*
	Connectors — Power / Data Output	(12) 4-pin XLR output connectors
	Connectors — Firmware Updates	USB port for firmware updates via USB stick
	Temperature Ranges	32° – 104° F (0° – 40° C) Operating 32° – 122° F (0° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Humidity	0 – 95%, non-condensing
	Cooling	Cooling fan
	Airflow	Front panel input, left side panel output
	Heat Dissipation	25% of total power input at maximum load
	Data Input	Supports all controllers that output DMX, KiNET, streaming ACN, and Art-Net
Certification and Safety	Certification	ETL / cETL, CE, FCC Part 15
	Environment	Dry Location, IP20

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

15.75 in (400 mm)

8.3 in (210 mm)

19 in (483 mm)

11.1 in (282 mm)

5.2 in (133 mm)
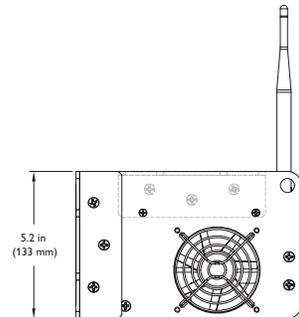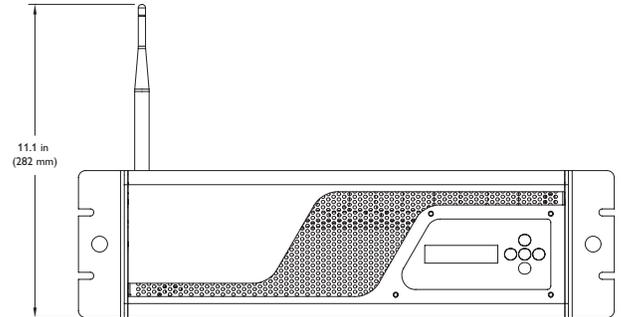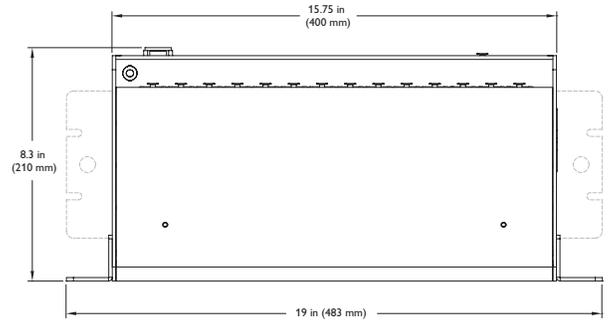
Ordering Information

Item	Item Number	Philips 12NC
PDS-750 TRX	109-000030-00	910503702319

Use Item Number when ordering in North America.

Addressing and Configuration Guide
featuring QuickPlay Pro

For use with CK Intelligent Series Color Changing Fixtures
Version 1.0

PHILIPS

For instructions covering how to configure PDS-750 TRX, refer to the *Addressing and Configuration Guide* available online at www.philipscolorkinetics.com/support/addressing/

PHILIPS