



Date: _____ Type: _____

Firm Name: _____

Project: _____

PDS-70mr DMX / Ethernet / Pre-programmed 24 V power / data Supply for iColor MR g2 lamps

PDS-70mr 24 V is a power / data supply designed for indoor and outdoor LED lighting installations featuring iColor® MR g2 lamps from Philips Color Kinetics.

Featuring a NEMA 4 (IP66) enclosure, PDS-70mr installs in dry, damp, and wet locations. Multiple standard-size conduit entries accommodate 1/2 in (13 mm) and 3/4 in (19 mm) trade-sized conduit.

PDS-70mr is available in both Ethernet-compatible and DMX-compatible versions. PDS-70mr is also available as a standalone pre-programmed unit offering built-in controls and effects.

Compatible Fixtures

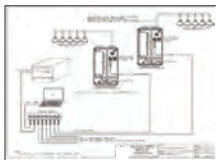
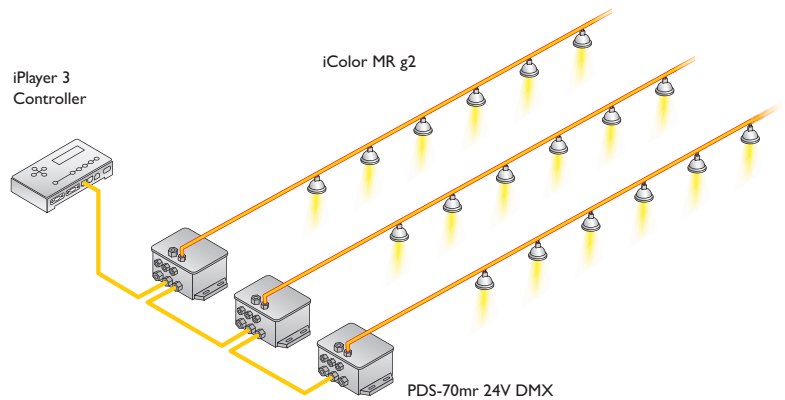
Lamp	Max. Quantity Per PDS-70mr 24 V
iColor MR g2	14

PDS-70mr delivers a maximum of 72 watts of output and automatically accommodates input voltages ranging from 100 VAC to 240 VAC. Short-circuit protection prevents device failure due to incorrectly wired fixtures.



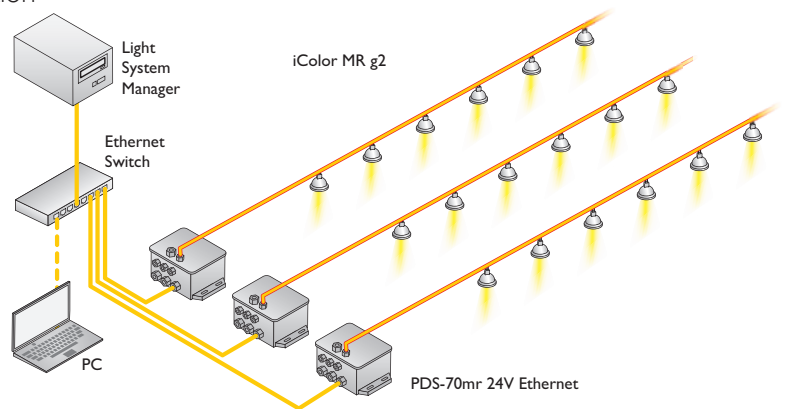
☰ For device mounting and maintenance details, refer to the Installation Instructions included in the product packaging, or download documentation from www.colorkinetics.com/lsl/pds/pds70/

DMX Configuration



☰ PDS-70mr wiring diagrams are available online at www.colorkinetics.com/support/wiring/

Ethernet Configuration

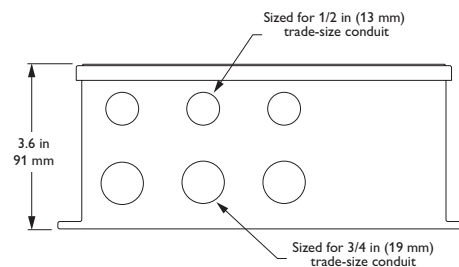
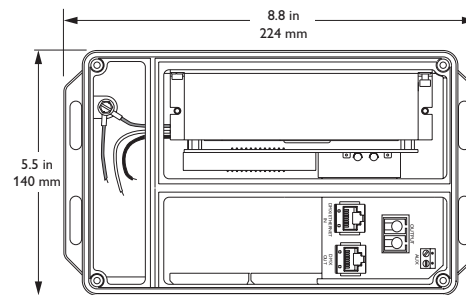


Specifications

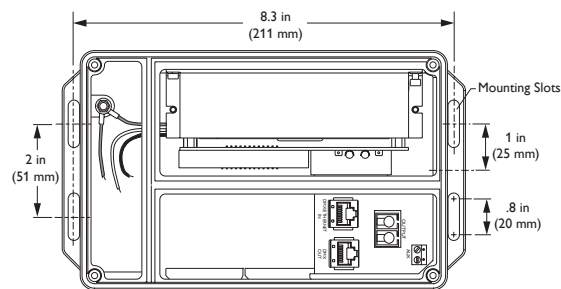
Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details	
Electrical	Input Voltage	100 – 240 VAC, auto sensing, 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, 72 W maximum	
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	NEMA 4 enclosure, cast aluminum, with slots for surface mounting	
	Finish	Gray matte	
	Connectors	Data	RJ-45 input and output connectors
		Power Output	2-pin terminal block main output and 2-pin screw terminal auxiliary output
		Power Input	Line-neutral-ground cable, flying leads
	Operating Temperature	14° – 104° F (-10° – 40° C)	
	Humidity	0 – 95%, non-condensing	
	Cooling	Convection	
	Heat Dissipation	25% of total power input at maximum load	
Data Input Source	Pre-programmed	Internal	
	DMX	Philips full range of DMX controllers, or compatible third-party DMX controllers.	
	Ethernet	Philips full range of Ethernet controllers, or KiNET-compatible‡ third-party DMX controllers.	
Certification and Safety	Certification	UL / cUL, CE, PSE	
	Classification	UL Class 2 power supply	
	Environment	Dry / Damp / Wet Location, IP66	

‡ KiNET™ is the standard Ethernet lighting protocol from Philips Color Kinetics.



Overall Dimensions



Mounting Dimensions

Ordering Information

Item	Included Components	Item Number	Philips 12NC
PDS-70mr Pre-programmed	Power / data supply with cover and gasket, NPT threaded plugs, and Installation Instructions	109-000018-00	910503700098
PDS-70mr DMX	Power / data supply with cover and gasket, NPT threaded plugs, and Installation Instructions	109-000018-01	910503700099
PDS-70mr Ethernet	Power / data supply with cover and gasket, NPT threaded plugs, and Installation Instructions	109-000018-02	910503700583

Use Item Number when ordering in North America.



For complete instructions on configuring the PDS-70mr for use in an Ethernet, DMX, or Pre-programmed environment, refer to the *Addressing and Configuration Guide* available online at www.colorkinetics.com/support/addressing/



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