

# PDS-70mr 24 V

Date: \_\_\_\_\_  
Type: \_\_\_\_\_  
Firm Name: \_\_\_\_\_  
Project: \_\_\_\_\_

Ethernet

## POWER/DATA SUPPLY

### Power/data supply for MR LED lamps

PDS-70mr 24 V is a power/data supply designed for LED lighting installations featuring MR LED lamps from Color Kinetics. PDS-70mr 24 V outputs a maximum of 72 W in Ethernet, DMX, and Pre-programmed versions.



- Universal power input range—PDS-70mr 24 V accommodates input voltages ranging from 100 to 240 VAC. Short-circuit protection prevents device failure due to incorrectly wired luminaires.
- Rugged exterior-rated enclosure—Features a NEMA 4 (IP66) enclosure for installation in any dry, damp, or wet locations.
- Convenient installation—Multiple standard-size conduit entries accommodate 13 mm (1/2 in) and 19 mm (3/4 in) US trade-sized conduit.
- Flexible control options—You can use PDS-70mr 24 V DMX with any Color Kinetics DMX or third-party controller, and PDS-70mr 24 V Ethernet with any KiNET-compatible Ethernet controller. PDS-70mr 24 V Pre-programmed features four built-in visual effects, allowing configurations without DMX or Ethernet controllers. PDS-70mr 24 V Pre-programmed can function as a master controller, delivering data to additional power/data supplies in a run.

For more information, please refer to  
[www.colorkinetics.com/ls/pds/pds70mr/](http://www.colorkinetics.com/ls/pds/pds70mr/)

# Specifications

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

## Electrical

Input Voltage	100 to 240 VAC, auto-sensing, 50/60 Hz*
Maximum Input Current	1.7 A
Fuse Rating	(1) 125 V, 4 A, Type F (fast-acting) fuse
Power Output	24 VDC, 72 W maximum

## Connections

Data Input Source	Color Kinetics full range of Ethernet controllers, or KiNET-compatible* third-party controllers.
Power Input	Line-neutral-ground cable, flying leads
Power Output	2-pin terminal block main output, 2-pin screw terminal auxiliary output
Data Input	RJ-45 input and output connectors
Data Output	RJ-45 input and output connectors
Maximum Luminaire Run Length	14 MR LED lamps per device, 50 ft (15.2 m) maximum cable length

## Compatible Luminaires

iColor MR gen3	14
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\*KiNET is the Ethernet lighting protocol from Color Kinetics.

## Physical

Dimensions	91 x 140 x 224 mm (3.6 x 5.5 x 8.8 in)
	<i>(Height x Width x Depth)</i>
Weight	2 kg (4.5 lb)
Housing	cast aluminium NEMA 4 enclosure
Mounting	Slots for surface mounting
Finish	Powder-coated gray matte
Operating Temperature	-10 to 40 °C (14 to 104 °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	Convection
Heat Dissipation	25% of total power input at maximum load

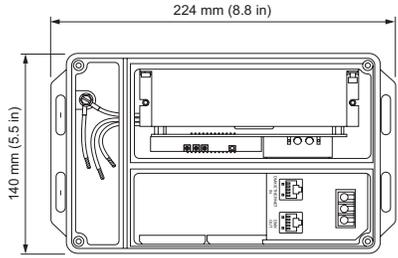
## Certification and Safety

Certification	UL/cUL, CE, PSE
Classification	UL Class 2 power supply
Environment	Dry/Damp/Wet Location, IP66

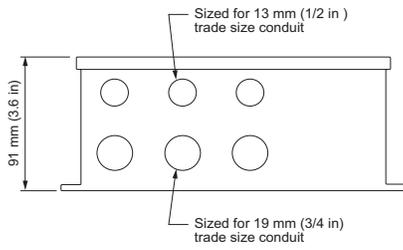
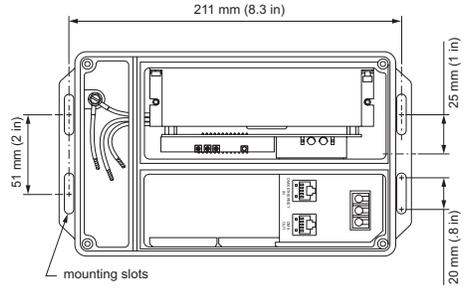


# Dimensions

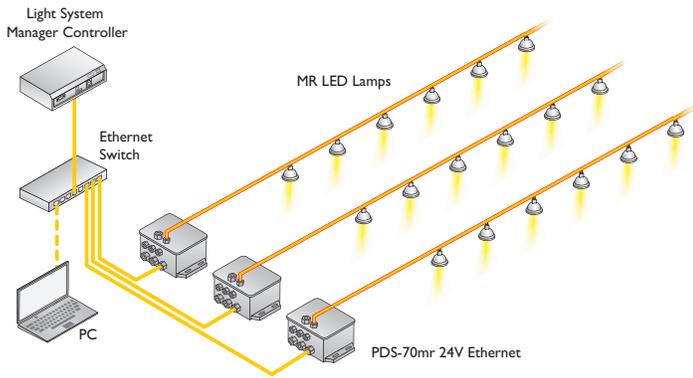
## Overall Dimensions



## Mounting Dimensions



## PDS-70mr 24 V Ethernet



# Part Numbers

Use Item Number when ordering in North America.

## Power/Data Supply

PDS-70mr 24 V Ethernet

Item Number

109-000018-02

Item 12NC

910503700583



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[www.colorkinetics.com](http://www.colorkinetics.com)