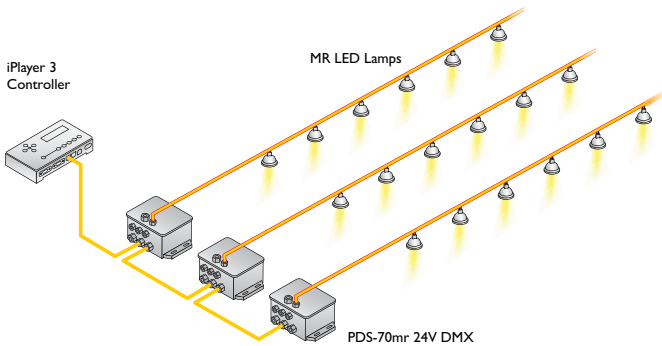# PDS-70mr 24V

## Power / data supply for MR LED lamps

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

- Universal power input range — PDS-70mr 24V accommodates input voltages ranging from 100 – 240 VAC. Short-circuit protection prevents device failure due to incorrectly wired fixtures.

- 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 1/2 in (13 mm) and 3/4 in (19 mm) US trade-sized conduit.
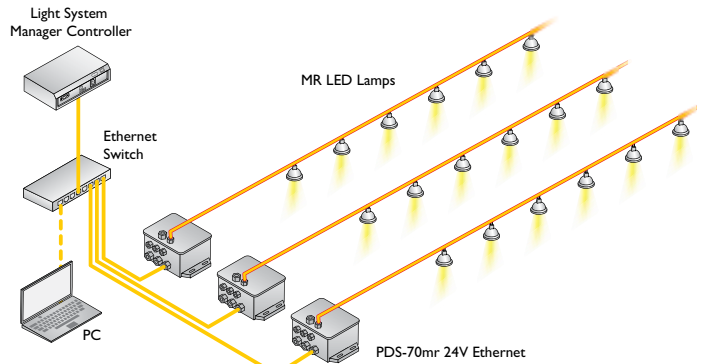
- Flexible control options — You can use PDS-70mr 24V DMX with any Philips Color Kinetics DMX or third-party controller, and PDS-70mr 24V Ethernet with any KiNET-compatible Ethernet controller. PDS-70mr 24V Pre-programmed features four built-in visual effects, allowing configurations without DMX or Ethernet controllers. PDS-70mr 24V Pre-programmed can function as a master controller, delivering data to additional power / data supplies in a run.
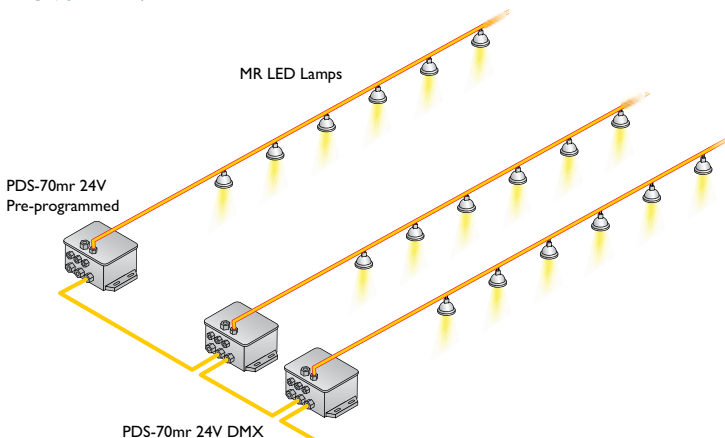
## Compatible Fixtures

| Fixture | Max. Quantity Per PDS-70mr 24V |
| --- | --- |
| iColor MR gen3 | 14 |
| iW MR gen3 | 14 |



**PDS-70mr 24V DMX**



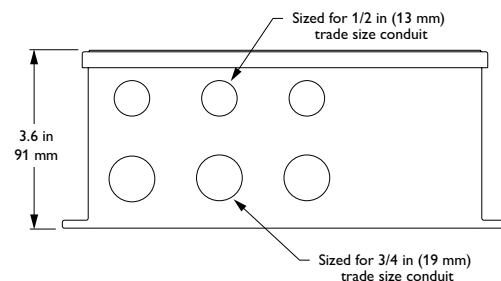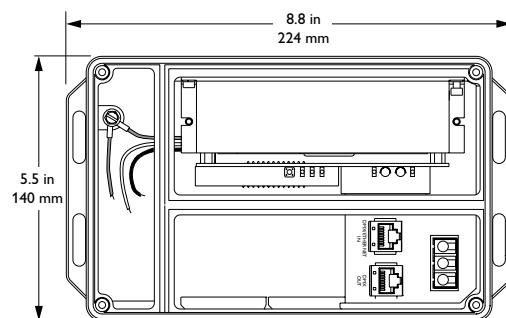**PDS-70mr 24V Ethernet**



**PDS-70mr 24V Pre-programmed**

**PHILIPS**

# 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 | |
| | Power Output | 24 VDC, 72 W maximum | |
| | Fuse Rating | (1) 125 V, 4 A, Type F (fast-acting) fuse | |
| 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 | Powder-coated gray matte | |
| | Connectors | Data | RJ-45 input and output connectors |
| | | Power Output | 2-pin terminal block main output 2-pin screw terminal auxiliary output |
| | | Power Input | Line-neutral-ground cable, flying leads |
| | 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 | |
| Control | Data Input Source | Pre-programmed | Internal |
| | | DMX | Philips Color Kinetics full range of DMX controllers, or compatible third-party controllers. |
| | | Ethernet | Philips Color Kinetics full range of Ethernet controllers, or KiNET-compatible* third-party controllers. |
| | Maximum Fixture Run Length | 14 MR LED lamps per device 50 ft (15.2 m) maximum cable length | |
| Certification and Safety | Certification | UL / cUL, CE, PSE | |
| | Classification | UL Class 2 power supply | |
| | Environment | Dry / Damp / Wet Location, IP66 | |

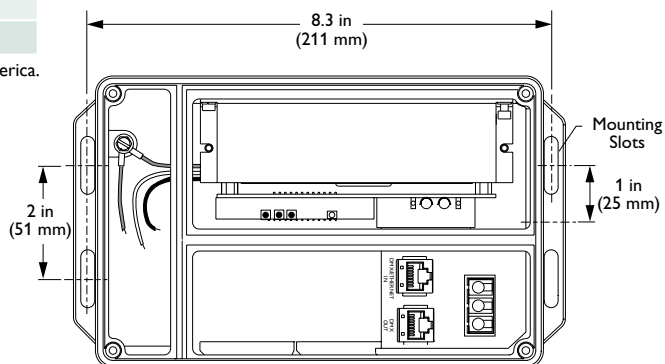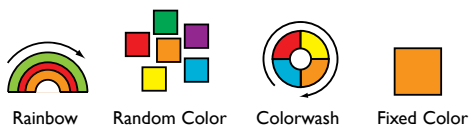* KiNET is the Ethernet lighting protocol from Philips Color Kinetics.

c(UL)us LISTED    CE    (PS E)

## Ordering Information

| Item | Item Number | Philips 12NC |
|------|-------------|--------------|
| PDS-70mr 24V Pre-programmed | 109-000018-00 | 910503700098 |
| PDS-70mr 24V DMX | 109-000018-01 | 910503700099 |
| PDS-70mr 24V Ethernet | 109-000018-02 | 910503700583 |

Use Item Number when ordering in North America.

## PDS-70mr 24V Pre-programmed Effects



Rainbow    Random Color    Colorwash    Fixed Color



8.8 in
224 mm

5.5 in
140 mm

Sized for 1/2 in (13 mm) trade size conduit

3.6 in
91 mm

Sized for 3/4 in (19 mm) trade size conduit

**Overall Dimensions**



8.3 in
(211 mm)

Mounting Slots

2 in
(51 mm)

1 in
(25 mm)

**Mounting Dimensions**

DAS-0000118-01 R01 09-13