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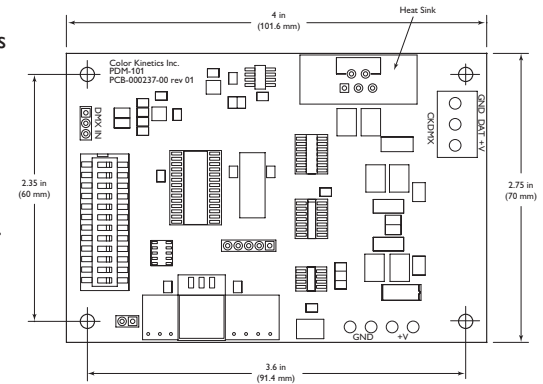
Project: _____

PDM-101

DMX-based power / data module for RGB and IntelliWhite LEDs

PDM-101 allows product designers to easily integrate RGB and IntelliWhite digital light engines with a wide variety of commercially available power supplies. It allows you, as a Philips Color Kinetics OEM partner, to build power / data solutions for custom products and installations.

- Compact size — The module measures approximately 2.75 x 4.00 in (70 X 102 mm).
- Simple design and flexible implementation — The PDM-101 module's simple electrical and mechanical design allows you to directly integrate it into the fixture design or combine it with a third-party power supply to create a unified power / data supply.
- Compatible with common, commercially-available power supplies — PDM-101 supports all common standard 24 VDC power supplies and allows for a variety of power distribution options.
- DMX compatible — Accepts standard DMX control and delivers color-changing data to digital light engines. By supporting the industry standard DMX input, PDM-101 can support Philips Color Kinetics DMX controllers or any standard, third-party DMX controller.
- Pre-programmed lighting effects — On-board effects include fixed color, color wash, rainbow wash, and random color. The shows are selected by setting DIP switches, which sets the effect mode, speed and color.



- Supports custom solutions — Use the PDM-101 to build a cost-effective power / data solution in combination with Philips Color Kinetics fixtures and light engines.
- Unrivalled expertise — PDM-101 is supported by Philips Color Kinetics comprehensive technical and sales support, allowing partners to benefit from Philips Color Kinetics years of experience as a leader in LED technology design. Philips Color Kinetics is available for design assistance, pre-installation planning, technical support and training.

Specifications

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

Item	Specification	Details	
Electrical	Input Voltage	24 VDC	
	Output Voltage	24 VDC	
Physical	Dimensions (Height x Width x Depth)	1.3 x 4.0 x 2.8 in (33 x 102 x 70 mm)	
	Connectors	Data Input	DMX512 via 3-pin vertical header
		Voltage Output	Solder pad
		Voltage Input	Solder pads
		Power / Data Output	3-pin vertical header
		Compatible Data Input Connector	AMP/Tyco P/N: 644563-3
		Compatible Output Connector	AMP/Tyco P/N: 640599-3
	Temperature Range	14° – 122° F (-10° – 50° C) Operating	
Heat Dissipation	Heat sink 1.2 in (31 mm) off board		

Ordering Information

Item	Item Number
PDM-101	118-000052-00
DLE R-101	118-000143-00
DLE C-101	118-000144-00
DLE C-301	118-000145-00
iColor Flex MX	101-00067-XX
iColor Flex LMX	101-00068-XX

DIP Switch Settings

The following diagrams show the basic DIP Switch settings for the PDM-101 module's on-board lighting effects. The DMX Input setting enables the module to receive DMX512 data.

The greyed out boxes indicate switches used for the effect's settings, which are explained in detail in the applicable DLE integration guide.

DMX Input:



Rainbow Effect:



Fixed Color Effect:



Random Effect:



Color Wash Effect:



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