

Date: _____
Type: _____
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Project: _____

DM-1000 0-10 V ELV Dimmer

UL

DIMMING MODULE

Extend compatibility of your ELV-dimmable luminaires with architectural 0-10 V dimmers

DM-1000 takes the guesswork out of choosing a 0-10 V dimmer for your ELV-dimmable EssentialWhite and EssentialColor luminaires from Color Kinetics. Using virtually any industry standard 0-10 V dimming control, DM-1000 ensures flicker-free dimming of your luminaires. An onboard trim adjustment allows instant configuration, and a test button confirms proper functioning of your devices, eliminating costly and time-consuming reinstallation.



- Smooth, flicker-free dimming—DM-1000 ensures the best possible dimming performance of EssentialWhite and EssentialColor luminaires from Color Kinetics, even at very low intensity levels.
- Expanded compatibility with industry standard 0-10 V dimmers—DM-1000 expands compatibility of EssentialWhite and EssentialColor ELV-dimmable luminaires to virtually any architectural 0-10 V source. So whether you're buying a new dimmer or using one you've already installed, you can be sure it won't make your luminaires flicker.
- Affordable and attractive—Enclosed in a sleek aluminium housing, DM-1000 is a cost-effective solution that ensures smooth dimming of your ELV-dimmable luminaires.
- Easy installation—A hinged mounting plate, springloaded terminal block connector, and integrated flying leads allow for quick and simple installation on a standard 4 inch square junction box. 0-10 V control wires can be connected to DM-1000 in a Class I or Class II electrical configuration.
- Simple configuration—An onboard trim control allows you to define the lowest desired intensity level. Simply set your dimmer to its lowest position, adjust the trim level, and you're done.
- Supports up to 1,000 VA of power output—DM-1000 can handle up to 450 VA at 120 VAC or up to 1,000 VA at 277 VAC.
- Integrated test button—DM-1000 features an onboard button for testing LED luminaires that are attached to the dimming module. Press this button to instantly dim attached luminaires, confirming that your devices are working just as you expect them to. Press the button again, and your luminaires resume normal operation. An onboard indicator LED provides visual confirmation of normal operation.

For more information, please refer to www.colorkinetics.com/ls/pds/dm-1000/

Specifications

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

Electrical

Input Voltage	Single-phase 120/277 VAC, 60 Hz
Power Consumption	3 W
Power Output	450 VA maximum at 120 VAC 1,000 VA maximum at 277 VAC

Connections

Data Input Source
Compatible with Class I or Class II, 0-10 V current sink dimming controls that comply with IEC Standard 60929 Annex E.‡

Power Input
Line (black), neutral (white), and ground (green) flying leads

Data Input
0-10 V + and - terminal block†

Power/Data Output
Line/data (red), neutral (white), and ground (green) flying leads

† Terminal block connector accepts wire sizes from 0.2 to 1.5 mm² (24 to 16 AWG).

‡ For best results, use a 0-10 V dimmer with an on-off switch or power relay

Physical

Dimensions	102.6 x 191.5 x 63.2 mm (4 x 7.5 x 2.49 in) <i>(Height x Width x Depth)</i>
Weight	1 kg (2.2 lb)
Housing	Aluminium
Mounting	Mountable on a standard 4 inch square junction box
Operating Temperature	-20 to 50 °C (-4 to 122 °F)
Startup Temperature	-20 to 50 °C (-4 to 122 °F)
Storage Temperature	-40 to 80 °C (-40 to 176 °F)
Humidity	0 to 95%, non-condensing
Cooling	Convection

Max Number of Luminaires

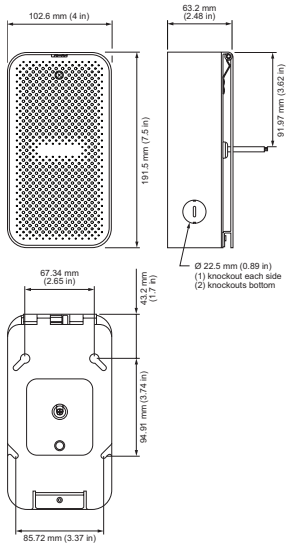
To calculate the maximum number of luminaires per dimming module, download the Configuration Calculator from www.colorkinetics.com/support/install_tool/.

Certification and Safety

Certification	UL/cUL, FCC Class A
Environment	Dry/Damp Location, Plenum Rated



Dimensions



Part Numbers

Use Item Number when ordering in North America.

Dimming Module

DM-1000 0-10 V ELV Dimmer UL

Item Number

109-000036-00

Item 12NC

912400135916



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Color Kinetics
www.colorkinetics.com