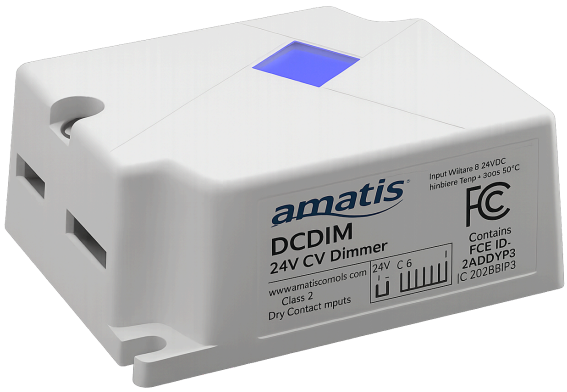
XWS-DCDIM

DC load controller and dimming driver

Product specifications



PRODUCT OVERVIEW

The Luum DCDIM is a DC-powered dimming controller and constant-current driver.

The device provides color-coded push-in terminals, support for color tuning, and reverse-voltage protection.

DCDIM is designed for DC load control and 0-10V dimming applications.

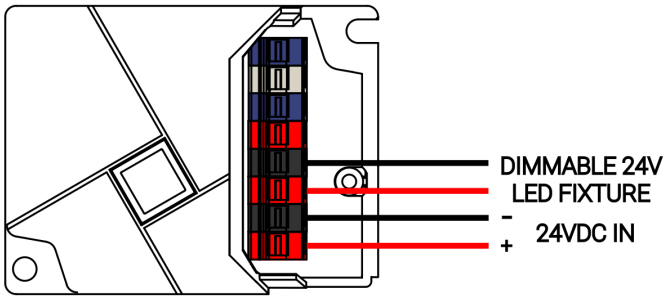
CONFIGURATIONS

XWS-DCDIM: Power DC load controller with manual dimming support and 0-10V dimming integration.

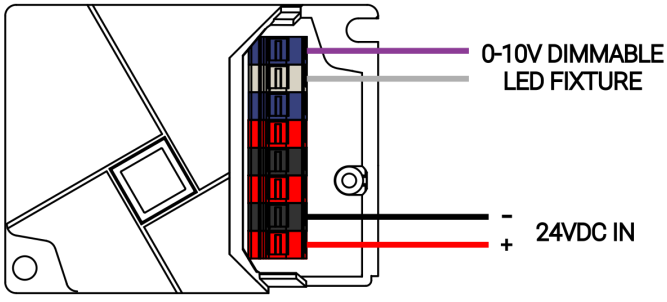
FEATURES

Load control functionality	Controls individual lights and light groupings
	5A DC load supply
	Button can be used for On/Off control and held down for manual dimming
	PWM output able to control dimming of one or more DC loads
	0-10V output able to control dimming of one or more fixtures
	Additional PWM or 0-10V output available for color tuning or up/down light configurations
	Ultra-low power consumption
Simple installation	Push-In spring connectors make for quick and easy installation
	LEDs indicate power and network connection status
Simple startup	Remotely configurable / updateable
	Luum app commissions devices on the mesh network
	Unique IPv6 address
	Real-time data uploaded to the Energy Dashboard
Energy code	Complies with ASHRAE 90.1-2016 and CA Title 24 requirements
Warranty	5-year limited warranty with uninterrupted connection of the Luum Border Router device from a network

24V WIRING DIAGRAM



0-10V WIRING DIAGRAM



Note: Actual performance may vary as a result of end-user environment and application. Specifications subject to change without notice.

*Based on clear line of sight. Interior obstructions may limit range.

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TECHNICAL SPECIFICATIONS

Category	Specification	DCDIM
COMMUNICATION	Wireless Transmit Range	Up to 200 feet to nearest mesh connected device
	Communication Protocol	Embedded 6LoWireless
	Encryption	AES 128-bit
MECHANICAL	Dimensions	67.26 mm x 52.05 mm x 26.8 mm (2.65 in x 2.05 in x 1.06 in)
	Finish	White matte
	Enclosure	Type 2, white matte
	External Outputs	On-board button for manual control
ELECTRICAL	Input Voltage	9-26VDC, polarity protected
	Low Voltage Output	Class 2, 5A - Voltage equal to input voltage
	PWM Dimming	2 channels available for PWM, voltage equal to input voltage, max 5A
	0-10V Dimming	2 channels available for 0-10V, 1-10V source or sink operation, sourcing max: 4.7mA
ENVIRONMENTAL	Installation Environment	Commercial, Indoor/Covered
	Temperature Range	-15 °C to +55 °C (5 °F to 130 °F)
GENERAL	System Compliance Note	Device contributes to Luum system compliance with ASHRAE 90.1-2016 and CA Title 24 requirements
	Warranty	5-year limited warranty with continuous cloud connection

Note: Actual performance may vary as a result of end-user environment and application.

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