EuControls

COLORS AND LIGHTS UNDER YOUR CONTROL

PRODUCT CATALOG 2018

EuControls, a leading manufacturer of solid-state lighting equipment, is dedicated to providing innovative LED control products needed in today's rapidly evolving lighting industry. By managing its own cost effective factories and Los Angeles warehouse, EuControls can deliver new advanced LED lighting control systems at great value. From professional lighting to do-it-yourself in the home, EuControls offers flexible lighting control products with exceptional performance and reliability to satisfy your technical requirements.

For more information about EuControls, visit EuControls.com or call us at (888) 535-9580 today to discuss your LED lighting control needs with our friendly LA-based staff, who are ready to recommend solutions for your application needs.

EuControls' headquarters in Gardena, CA.

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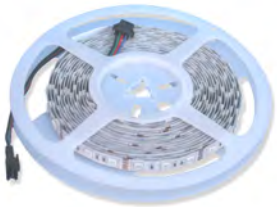

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Wireless Lighting Controllers

CONTROL FIXTURES WIRELESSLY VIA ZIGBEE OR RF

Our latest wireless lighting controllers allow easy on/off and 0–10V dimming control of fixtures in a wide variety of indoor and outdoor applications.

ZigBee Certified product · DaintreeNetworks · c UL us LISTED

ECM-20-ZB

Outdoor 0–10V Zigbee Wireless Lighting Controller

This compact outdoor wireless external lighting controller is designed for seamless integration with light fixtures that accept 0–10V dimming control via the NEMA C-136-41-2013 7-prong ANSI standard receptacle. Fully bidirectional, long range ZigBee PRO self-healing mesh radio with internal antenna suitable for urban and rural installations. Zero crossing relay provides long operating life, 20A max AC resistive load. Durable weatherproof construction protects against sun, moisture, and extreme temperatures.

Ideal applications include integration with LED/HID/etc. fixtures in parking lots, car dealerships, manufacturing yards, campuses, areas/streets, and pathways/trails. Built-in photocell provides additional light sensor endpoint. cUL listed, ZigBee HA certified, and Daintree Networks ControlScope certified.

- Input Voltage: 108–277VAC
- AC Relay Load Rating: Max 2700W @ 277VAC, 10A
- Estimated Relay Load Life: At least 6,000 operations
- Surge Protection: 320 Joule (13 kV) MOV
- Dimming Control: 0–10V (max current 10 mA sink)
- Radio Frequency: 2.4 GHz ISM band (ZigBee PRO)
- Radio Transmit Power: up to +20 dBm
- Photocell Type: Side-facing phototransistor
- Operating Temperature: –40 to 158 °F (–40 to 70 °C)
- Operating Humidity: 0–99% relative noncondensing
- Weatherproof Rating: IP66 (blue UL94V-0/5VA ABS plastic case)
- Regulatory Certifications: UL 244A listed, ZigBee HA certified, FCC compliant
- Energy Code Compliance: CA Title 24-2013, ASHRAE 90.1-2013
- Dimensions: L 3.3 × W 3.3 × H 3.0 inches

Other version available:
- **ECM-20-ZBM** (with Power Metering, coming soon)

LCM-1C20-ZB

Indoor 0–10V ZigBee Wireless Lighting Controller

This indoor wireless lighting controller is designed for seamless integration with dimmable LED drivers and lighting fixtures that accept 0-10V dimming control. Fully bidirectional, long range ZigBee PRO self-healing mesh radio with internal antenna. Install on 1/2" NPS thread size knock-outs. Zero crossing relay provides long operating life, 20A max AC resistive load.

Ideal applications include integration with LED/fluorescent fixtures in offices, educational institutions, parking lots, manufacturing facilities, and residences. cUL recognized, ZigBee HA certified, and Daintree Networks ControlScope certified.

- Input Voltage: 100–277VAC
- AC Relay Load Rating: Max 2700W @ 277VAC, 10A
- Estimated Relay Load Life: At least 6,000 operations
- Surge Protection: 320 Joule (13 kV) MOV
- Dimming Control: 0–10V, 100mA (max sink)
- Radio Frequency: 2.4 GHz ISM band (ZigBee PRO)
- Radio Transmit Power: up to +20 dBm
- Operating Temperature: –40 to 162 °F (–40 to 72 °C)
- Operating Humidity: 5–95% relative noncondensing
- Weatherproof Rating: IP50 (gray UL94V-0/5VA ABS plastic case)
- Regulatory Certification: UL 244A recognized, ZigBee HA certified, FCC compliant
- Energy Code Compliance: CA Title 24-2013, ASHRAE 90.1-2013
- Dimensions: L 5.2 × W 1.8 × H 1.7 inches

Other version available:
- **LCM-1C20-ZBM** (with Power Metering, coming soon)

LCM-1C09-ZB

Indoor 0–10V ZigBee Wireless Lighting Controller

This indoor wireless lighting controller is designed for seamless integration with dimmable LED drivers and lighting fixtures that accept 0-10V dimming control. Fully bidirectional, long range ZigBee PRO self-healing mesh radio with internal antenna (same radio specifications as LCM-1C20-ZB). Install on 1/2" NPS thread size knock-outs. 9A max AC resistive load.

- Input Voltage: 100–277VAC
- AC Relay Load Rating: Max 1200W @ 277VAC, 4.5A
- Surge Protection: 320 Joule (13 kV) MOV
- Dimming Control: 0–10V, 100mA (max sink)
- Radio Frequency: 2.4 GHz ISM band (ZigBee PRO)
- Weatherproof Rating: IP50 (gray UL94V-0/5VA ABS plastic case)
- Regulatory Certification: UL 244A recognized, ZigBee HA certified, FCC compliant
- Energy Code Compliance: CA Title 24-2013, ASHRAE 90.1-2013
- Dimensions: L 5.2 × W 1.8 × H 1.2 inches

LCM-LV-ZB

Indoor 0–10V ZigBee Wireless Lighting Controller

This indoor wireless lighting controller is designed for seamless integration with dimmable LED drivers and lighting fixtures that accept 0-10V dimming control. Fully bidirectional, long range ZigBee PRO self-healing mesh radio with internal antenna (same radio specifications as LCM-1C20-ZB). Install on 1/2" NPS thread size knock-outs. 9A max AC resistive load. cUL recognized, ZigBee HA certified, and Daintree certified.

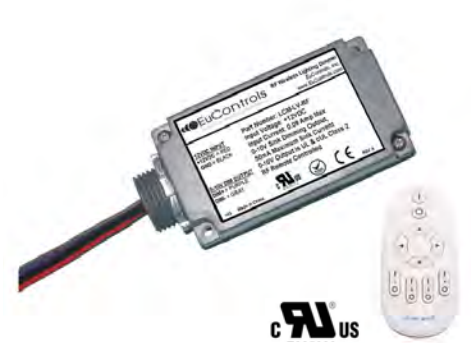
- Input Voltage: 12VDC
- AC Relay Load Rating: Max 1200W @ 277VAC, 4.5A
- Radio Frequency: 2.4 GHz ISM band (ZigBee PRO)
- Dimming Control: 0–10V, 100mA (max sink)
- Operating Temperature: –40 to 162 °F (–40 to 72 °C)
- Operating Humidity: 5–95% relative noncondensing
- Weatherproof Rating: IP50 (gray UL94V-0/5VA ABS plastic case)
- Regulatory Certification: UL 244A recognized, ZigBee HA certified, FCC compliant
- Energy Code Compliance: CA Title 24-2013, ASHRAE 90.1-2013
- Dimensions: L 3.7 × W 1.8 × H 1.2 inches

LCM-1C09-RF

Indoor 0–10V RF Wireless Lighting Controller w/ Remote

This indoor wireless lighting controller is designed for seamless integration with dimmable LED drivers and lighting fixtures that accept 0-10V dimming control. Groupable dimming control via included RF remote control. Install on 1/2" NPS thread size knock-outs. 9A max AC resistive load. cUL recognized.

- Input Voltage: 100-277VAC
- AC Relay Load Rating: Max 1200W @ 277VAC, 4.5A
- Radio Frequency: 2.4 GHz ISM band (GFSK modulation)
- Dimming Control: 0–10V, 100mA (max sink)
- Dimensions: L 5.2 × W 1.8 × H 1.2 inches



LCM-LV-RF

Indoor 0–10V RF Wireless Lighting Controller w/ Remote

This 0–10V wireless lighting controller is designed for seamless integration with dimmable LED drivers and other lighting devices that accept 0-10V dimming control. Groupable dimming control via included RF remote control. Install on 1/2" NPS thread size knock-outs. 9A max AC resistive load. cUL recognized.

- Input Voltage: 12VDC
- AC Relay Load Rating: Max 1200W @ 277VAC, 4.5A
- Radio Frequency: 2.4 GHz ISM band (GFSK modulation)
- Dimming Control: 0–10V, 100mA (max sink)
- Dimensions: L 3.7 × W 1.8 × H 1.2 inches

Occupancy Sensors

SAVE ENERGY & MONEY BY KEEPING THE LIGHTS OFF WHEN NOT NEEDED

EuControls offers a broad range of occupancy sensors to meet the energy management needs of buildings today. Designed for demanding commercial and industrial applications, our sensors employ proven detection technology while remaining highly cost effective. Whether you need in-fixture sensors for a parking lot retrofit project or high bay sensors for a new warehouse, you can rely on EuControls for the right energy management products that won't break the bank.

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S602-M

Line Voltage Microwave In-Fixture Sensor

This in-fixture mounted occupancy sensor takes advantage of microwave and ambient light sensing technologies. Designed for high sensitivity and reliability. Commissioned and adjustable via built-in potentiometers.

- Input Voltage: 120/208–240/277VAC @ 50/60Hz
- AC Relay Load Ratings: Max 800W @ 120VAC, 1000W @ 208–240VAC, and 1200W @ 277VAC
- Detection Range: 3-33ft radius
- Weatherproof Rating: IP44
- Safety Certifications: UL/cUL listed #E479515
- Dimensions: L 4.0 × W 1.6 × H 1.0 inches

c UL us LISTED

S607-M

Line Voltage Microwave In-Fixture Sensor

This in-fixture mounted occupancy sensor takes advantage of microwave and ambient light sensing technologies. Designed for high sensitivity and reliability. Commissioned and adjustable via built-in DIP switches.

- Input Voltage: 120/208–240/277VAC @ 50/60Hz
- AC Relay Load Ratings: Max 800W @ 120VAC, 1000W @ 208–240VAC, and 1200W @ 277VAC
- Detection Range: 10-33ft radius
- Weatherproof Rating: IP44
- Safety Certifications: UL/cUL listed #E479515
- Dimensions: L 4.1 × W 1.7 × H 2.0 inches

S618-P-DR

Line Voltage PIR In-Fixture Dimming Sensor w/ IR Remote

This in-fixture mounted occupancy sensor takes advantage of PIR and ambient light sensing technologies. Small form factor designed for high sensitivity and reliability.

Commissioned and adjustable via optional IR remote control. External photo sensor and lenses also available. cUL listed (Class 2) and rated IP66 weatherproof when properly installed inside rated fixture.

- Input Voltage: 120/208–240/277VAC @ 50/60Hz
- AC Relay Load Ratings: Max 800W @ 120VAC, 1000W @ 208–240VAC, and 1200W @ 277VAC
- Relay Inrush Current: Max 221A (peak)
- Standby Time Delay Periods: 10 secs, 1 min, 5 mins (default), 15 mins, 30 mins, 60 mins
- Dimming Time Delay Periods: 1 min, 30 mins, 60 mins (default), off (dimming always on)
- Dimming Levels: 0%, 10%, 20% (default), 30%
- 0–10VDC Dimming Current: Max 100mA (sink)
- Photodiode Sensitivity Range: 1–185 fc
- Operating Temperature: –40–131 °F
- Operating Humidity: 20–90% non-condensing
- Weatherproof Rating: IP66 (when properly installed)
- Safety Certifications: UL/cUL listed #E479515, Class 2; IEC EN61000-4-5: 2kV L-N, 8/20 µsec surge protection
- Regulatory Code Compliance: California Title 24

Other versions available:
- **S618-P-DR12VNR** (Low Voltage Input, Relayless Design)

Accessories available:
- **S618-ACC-LS2** (Standard Lens, Optimized for 40 ft Mount Height)
- **S618-ACC-LW1** (Wide Lens, Optimized for 8 ft Mount Height)
- **S618-ACC-PS** (External Photo Sensor)
- **S-ACC-RC-D2** (High Capacity Battery IR Remote Control)

S708-P-DR

Line Voltage PIR High Bay Dimming Sensor w/ IR Remote

This ceiling mounted high bay occupancy sensor takes advantage of PIR (passive infrared) sensing technology. Designed for high sensitivity and reliability. Settings adjustable via built-in potentiometers and included IR remote control.

- Input Voltage: 120/208–240/277VAC @ 50/60Hz
- AC Relay Load Ratings: Max 800W @ 120VAC, 1000W @ 208–240VAC, and 1200W @ 277VAC
- Detection Range: 3-26ft radius
- Weatherproof Rating: IP44
- Safety Certifications: UL/cUL listed #E479515, Class 2
- Dimensions: L 4.3 × W 3.2 × H 1.9 inches

Other versions available:
- **S708-P-DZ** (with ZigBee Connectivity)

S709-M-DR

Line Voltage Microwave High Bay Dimming Sensor w/ IR Remote

This ceiling mounted high bay occupancy sensor takes advantage of microwave sensing technology. Designed for high sensitivity and reliability. Settings adjustable via built-in potentiometers and included IR remote control.

- Input Voltage: 120/208–240/277VAC @ 50/60Hz
- AC Relay Load Ratings: Max 800W @ 120VAC, 1000W @ 208–240VAC, and 1200W @ 277VAC
- Detection Range: 3-26ft radius
- Weatherproof Rating: IP44
- Safety Certifications: UL/cUL listed #E479515, Class 1
- Dimensions: L 4.3 × W 3.2 × H 1.9 inches

Other versions available:
- **S709-M-DZ** (with ZigBee Connectivity)

Signal Converters

CONVERT DMX AND DALI TO 0–10V DIMMING VOLTAGE

Our high performance, standards compliant signal converters allow integration of DMX or DALI systems with 0–10V dimming light applications.

XV3-40002

4 Channel DMX to 0–10V Signal Converter

This 0–10V signal converter is designed for reliability and high performance in existing DMX lighting networks. RJ45 input connection. Fast processing time of 25 ms. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

- Input Voltage: 12-24VDC
- Output Signal (Sink): 1–10V, 20mA max per channel
- Output Signal (Source): 0–10V, 10mA max per channel
- Dimensions: L 6.6 × W 2.0 × H 1.3 inches

XV-4A000

4 Channel DMX to 0–10V Signal Converter

This 0–10V signal converter is designed for reliability and high performance in existing DMX lighting networks. Terminal block input connection. Address set via push buttons and LED display, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

- Input Voltage: 12-24VDC
- Output Signal (Sink): 1–10V, 30mA max per channel
- Output Signal (Source): 0–10V, 15mA max per channel
- Dimensions: L 6.9 × W 1.8 × H 1.2 inches

XV3-10001

1 Channel DALI to 0–10V Signal Converter

This 0–10V signal converter is designed for reliability and high performance in existing DALI lighting networks. Meets IEC 60929 and 62386 standards, automatic addressing enabled.

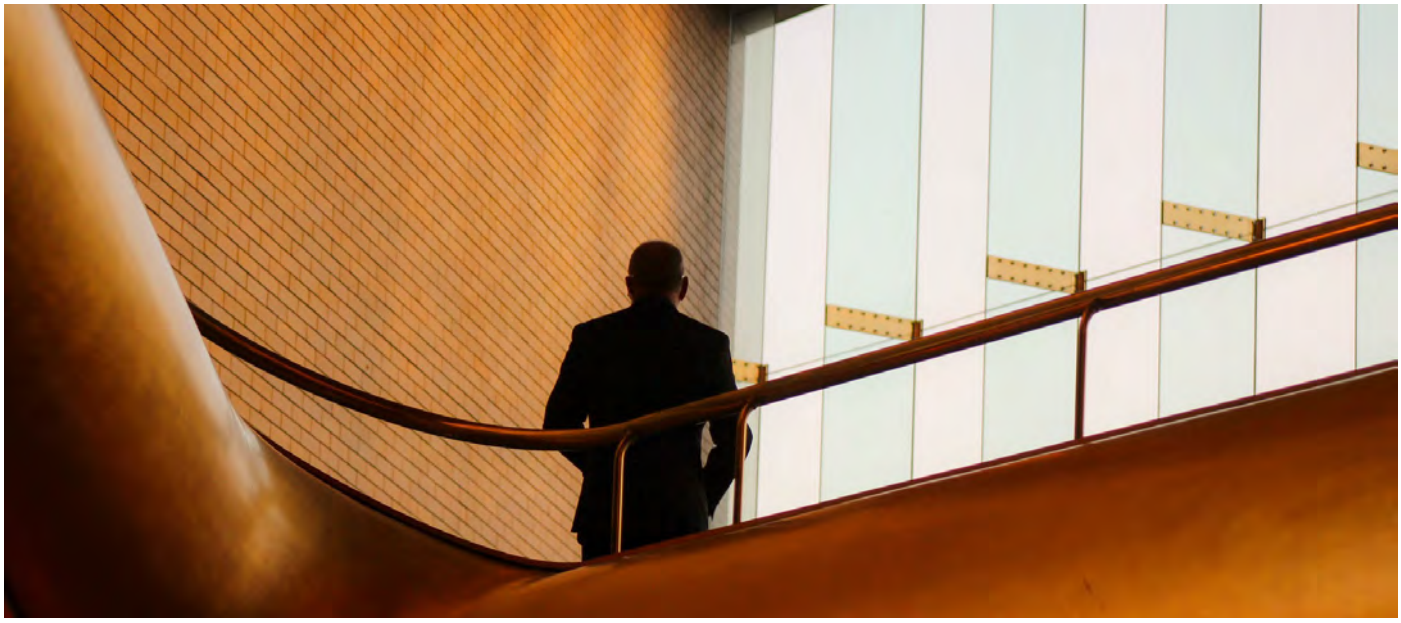
- Input Voltage: 12-24VDC
- Output Signal (Source): 0–10V, 15mA max
- Dimensions: L 6.6 × W 2.0 × H 0.9 inches

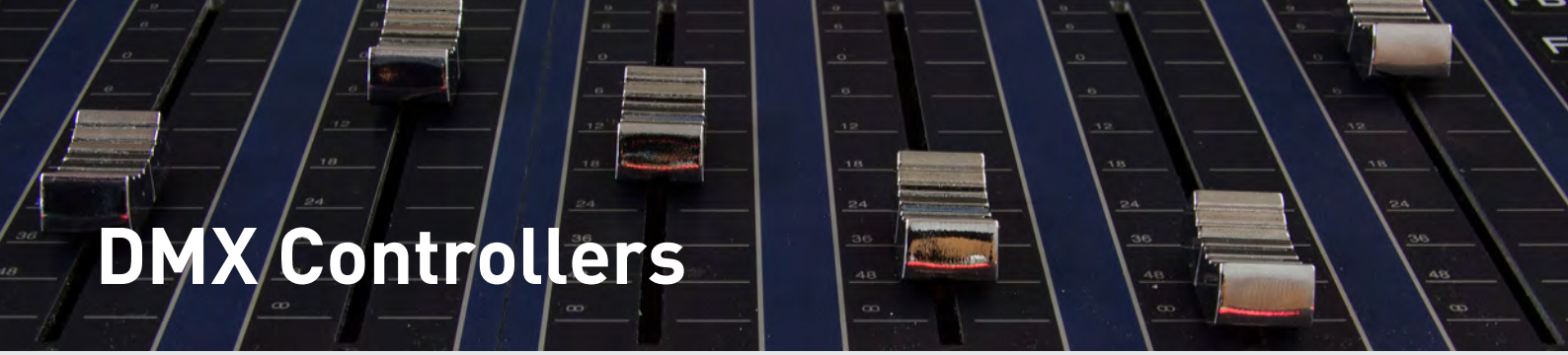
LV-4A000

4 Channel DALI to 0–10V Signal Converter

This 0–10V signal converter is designed for reliability and high performance in existing DALI lighting networks. Meets IEC 60929 and 62386 standards, automatic addressing enabled.

- Input Voltage: 12-24VDC
- Output Signal (Source): 0–10V, 15mA max per channel
- Dimensions: L 6.9 × W 1.8 × H 1.2 inches





DMX Controllers

STANDALONE AND IN-WALL DMX SIGNAL SOURCES

Our standalone DMX controllers come with built-in lighting programs and flexible output connections. Our in-wall DMX controllers are designed for single or multi-channel on/off and dimming control. In addition, we offer a DMX splitter for expanding your control network.

DMX100

DMX Controller w/ RF Remote and RJ45 & XLR3 Output

This DMX controller allows selection and output of 30 lighting scene programs with RJ45 and XLR3 output connections for full connective flexibility. DMX512/1990 standard compliant.

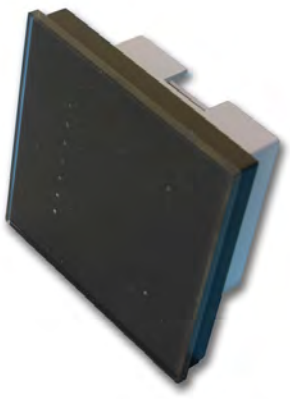
- Input Voltage: 12VDC
- Output Channels: 512
- Dimensions: L 4.6 × W 3.2 × H 1.9 inches

DMX300

DMX Controller w/ RF Remote and RJ45 & XLR3 Output

This DMX controller allows selection and output of 30 lighting scene programs with RJ45 and XLR3 output connections for full connective flexibility. DMX512/1990 standard compliant, and cETL listed.

- Input Voltage: 12VDC
- Output Channels: 512
- Dimensions: L 7.5 × W 4.5 × H 2.1 inches



XUZ-11000

Wall Mount DMX Controller

This DMX controller allows on/off control and dimming of 1 output channel. 6 brightness levels. Terminal block connection. DMX512/1990 standard compliant.

- Input Voltage: 6-24VDC
- Output Channels: 1
- Dimensions: L 4.7 × W 4.7 × H 1.0 inches

XC3-51200-SA

Wall Mount DMX Controller

This DMX controller allows on/off control and dimming of 6 output channels. 16 brightness levels. Terminal block connection. DMX512/1990 standard compliant.

- Input Voltage: 12-24VDC
- Output Channels: 6
- Dimensions: L 4.7 × W 4.7 × H 1.0 inches

RECOGNIZED COMPONENT
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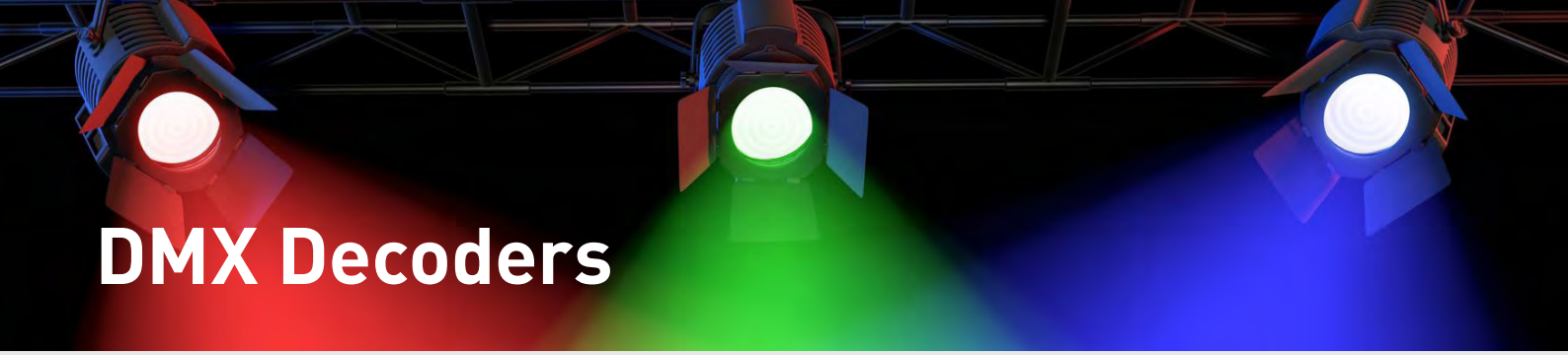
Intertek

DMX102

1-to-2 DMX Channel Splitter w/ RJ45 & XLR3 Input & Output

This electrically isolated DMX splitter duplicates DMX signals from one input to two outputs via RJ45 and XLR3 connections for full connective flexibility. DMX512/1990 standard compliant, and cETL recognized.

- Input Voltage: 12VDC
- Electrical Isolation: >3000VDC
- Dimensions: L 5.9 × W 3.5 × H 1.6 inches



DMX Decoders

SINGLE AND MULTI-CHANNEL DMX DECODER/DRIVERS

DMX decoders translate DMX512 signals into PWM (Pulse Width Modulation) signals that enable color mixing and dimming control of RGB and single color LED products. Originating from the entertainment lighting and effects industry, DMX has become a popular control protocol due to its open standard, low cost, and high speed.

Our single and multi-channel DMX decoders are designed for seamless integration into new and existing DMX systems and are indispensable to those who need customizable color changing light using PWM-driven RGB(W) strip lighting, light bars, puck lights, and more.

XM3-10300

1 Channel (White) DMX Decoder

This single channel decoder accepts DMX signals as well as analog 0-10V dimming signals via terminal block connection. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant, and cETL recognized.

- Input Voltage: 12-24VDC
- Output Current: 3A max
- Output Power: 36W @ 12V, 72W @ 24V
- Dimensions: L 3.4 × W 2.0 × H 0.7 mm

XD3-10600-RJ

1 Channel (White) DMX Decoder w/ RJ45 Input

This 1 channel decoder accepts DMX signals via an RJ45 connection. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

- Input Voltage: 12-24VDC
- Output Current: 6A max
- Output Power: 72W @ 12V, 144W @ 24V

RECOGNIZED COMPONENT
Intertek

XD3-30300

3 Channel (RGB) DMX Decoder

This 3 channel (RGB) decoder accepts DMX signals. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant, and cETL recognized.

- Input Voltage: 12-24VDC
- Output Current: 3A max per channel
- Output Power: 108W @ 12V, 216W @ 24V
- Dimensions: L 3.4 × W 2.0 × H 0.7 inches

RECOGNIZED COMPONENT
Intertek

XD3-30500-RJ

3 Channel (RGB) DMX Decoder w/ RJ45 Input

This 3 channel decoder accepts DMX signals via an RJ45 connection. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant, and cETL recognized.

- Input Voltage: 12-24VDC
- Output Current: 5A max per channel
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 7.0 × W 1.6 × H 1.3 inches

XD6-30500-RJ

3 Channel (RGB) DMX Decoder w/ RJ45 & XLR3 Input

This 3 channel decoder accepts DMX signals via an RJ45 or XLR3 connection. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

- Input Voltage: 6-24VDC
- Output Current: 5A max per channel
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 4.9 × W 2.1 × H 1.6 inches

XD-4B350

3 Channel (RGB) DMX Constant Current Decoder w/ RJ45 & XLR3 Input

This 3 channel decoder accepts DMX signals via an RJ45 or XLR3 connection. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

- Input Voltage: 12-48VDC
- Output Current: 5A max per channel
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 6.2 × W 2.6 × H 1.6 inches

Other version available:
- XD-4B700 (700 mA per channel output)

XD3-30600

3 Channel (RGB) DMX Decoder

This 3 channel decoder accepts DMX signals via a terminal block connection. Address set via push buttons and LED display, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant, and cETL recognized.

- Input Voltage: 12–24VDC
- Output Current: 6A max per channel
- Output Power: 216W @ 12V, 432W @ 24V
- Dimensions: L 6.6 × W 2.0 × H 0.9 inches

XD3-30500-DC

3 Channel (RGB) DMX Decoder

This 3 channel decoder accepts DMX signals via a terminal block connection. Address set via push buttons and LED display, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant. 18 built-in modes available if no DMX signal is present.

- Input Voltage: 12–24VDC
- Output Current: 5A max per channel
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 6.9 × W 1.8 × H 1.1 inches

XD4-30070

3 Channel (RGB) Constant Current DMX Decoder

This 3 channel decoder accepts DMX signals via a terminal block connection. Five constant current output options: 300mA, 350mA, 500mA, 650mA, and 700mA. Address set via push buttons and LED display, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

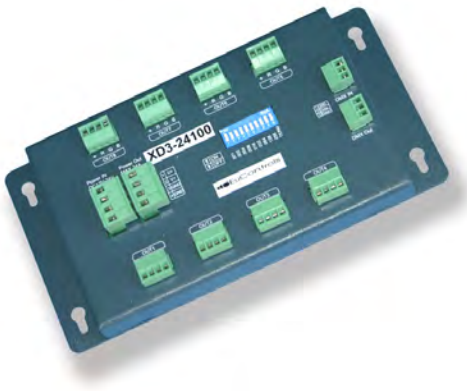
- Input Voltage: 12–48VDC
- Output Current: 700mA max per channel
- Output Power: 1–100W
- Dimensions: L 6.6 × W 2.0 × H 0.9 inches

XD3-40300-RJ

4 Channel (RGBW) DMX Decoder w/ RJ45 Input

This 3 channel decoder accepts DMX signals via an RJ45 connection. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

- Input Voltage: 12–24VDC
- Output Current: 3A max per channel
- Output Power: 144W @ 12V, 288W @ 24V
- Dimensions: L 7.0 × W 1.6 × H 1.3 inches



XD3-24100

24 Channel DMX Decoder

This 24 channel decoder accepts DMX signals via terminal block connections. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

- Input Voltage: 12–24VDC
- Output Current: 1A max per channel
- Output Power: 288W @ 12V, 576W @ 24V
- Dimensions: L 7.7 × W 3.9 × H 0.7 inches

XD-TA03A

24 Channel DMX Decoder w/ XLR3 input

This 24 channel decoder accepts DMX signals via XLR3 and terminal block connections. Address set via DIP switches, and daisy-chainable with other DMX devices. DMX512/1990 standard compliant.

- Input Voltage: 12–24VDC
- Output Current: 3A max per channel
- Output Power: 860W @ 12V, 1720W @ 24V
- Dimensions: L 10.2 × W 4.3 × H 1.6 inches

DALI Decoders

SINGLE AND MULTI-CHANNEL DALI DECODERS

As buildings around the world demand greater lighting control and efficiency measures, networked lighting systems powered by protocols such as DALI (Digital Addressable Lighting Interface) have rapidly increased in adoption and sophistication.

Our IEC 62386 standard compliant DALI decoders—available in single and multi-channel as well as constant current versions—allow you to easily add PWM dimming compatible LED fixtures to any existing DALI system.

LD3-10500
1 Channel DALI Decoder

This 1 channel DALI decoder accepts DALI or touch dimming signals. Supports DALI protocols IEC 62386 and 60929 with automatic addressing. Uses logarithmic dimming curve.

- Input Voltage: 12-24VDC
- Output Current: 5A max
- Output Power: 60W @ 12V, 120W @ 24V
- Dimensions: L 6.6 × W 1.6 × H 1.2 inches

LD3-20500
2 Channel DALI Decoder

This 2 channel DALI decoder accepts DALI or touch dimming signals. Supports DALI protocols IEC 62386 and 60929 with automatic addressing. Uses logarithmic dimming curve.

- Input Voltage: 12-24VDC
- Output Current: 5A max per channel
- Output Power: 120W @ 12V, 240W @ 24V
- Dimensions: L 6.6 × W 2.0 × H 1.3 inches

LD3-30500

3 Channel DALI Decoder

This 3 channel DALI decoder accepts DALI or touch dimming signals. Supports DALI protocols IEC 62386 and 60929 with automatic addressing. Uses logarithmic dimming curve.

- Input Voltage: 12-24VDC
- Output Current: 5A max per channel
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 6.0 × W 2.6 × H 1.2 inches

LD-4A03A

4 Channel Constant Current DALI Decoder

This 4 channel DALI decoder accepts DALI or touch dimming signals. Supports DALI protocols IEC 62386 and 60929 with automatic addressing. Uses logarithmic dimming curve.

- Input Voltage: 12-24VDC
- Output Current: 3A max per channel
- Output Power: 108W @ 12V, 216W @ 24V
- Dimensions: L 6.9 × W 1.8 × H 1.2 inches

LD4-10035

1 Channel Constant Current DALI Decoder

This 1 channel DALI decoder accepts DALI or touch dimming signals. Supports DALI protocols IEC 62386 and 60929 with automatic addressing. Uses logarithmic dimming curve.

- Input Voltage: 12-48VDC
- Output Current: 350mA max
- Output Power: 42W @ 12V, 168W @ 48V
- Dimensions: L 6.6 × W 1.6 × H 1.2 inches

LD4-10070

1 Channel Constant Current DALI Decoder

This 1 channel DALI decoder accepts DALI or touch dimming signals. Supports DALI protocols IEC 62386 and 60929 with automatic addressing. Uses logarithmic dimming curve.

- Input Voltage: 12-48VDC
- Output Current: 700mA max
- Output Power: 9W @ 12V, 36W @ 48V
- Dimensions: L 6.0 × W 2.0 × H 1.3 inches

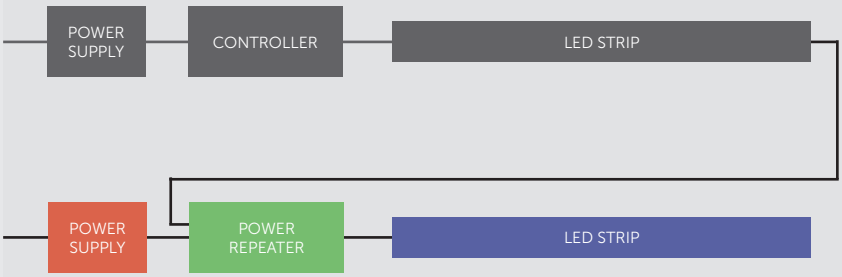
Power Repeaters

SINGLE AND MULTI-CHANNEL CONSTANT VOLTAGE POWER REPEATERS

Power repeaters, in conjunction with power supplies, allow constant voltage LED projects to exceed an initial power supply's maximum output by injecting power and repeating the PWM (Pulse Width Modulation) signal downstream from a common PWM control source, such as a EuControls LED Controller. Repeaters help overcome voltage drop restrictions and are critical in supporting larger projects that rely on a single control signal from a primary LED controller.

For example, you can reliably control 64' feet of RGB LED strip lighting by connecting a power repeater between two 32' lengths of strip lighting.

Extend LED Circuits with Power Repeaters and Power Supplies

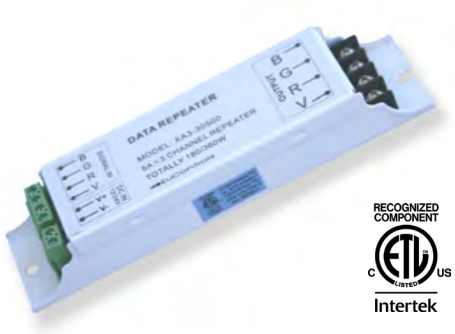


XA3-11000

1 Channel (White) Power Repeater

This single channel power repeater allows easy extension of an existing white or single color LED strip lighting system.

- Input Voltage: 12-24VDC
- Output Current: 10A max
- Output Power: 120W @ 12V, 240W @ 24V
- Dimensions: L 6.5 × W 1.5 × H 1.0 inches



XA3-30500
3 Channel (RGB) Power Repeater

This 3 channel power repeater allows easy extension of an existing RGB LED strip lighting system. cETL listed.

- Input Voltage: 12-24VDC
- Output Current: 5A max per channel
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 6.5 × W 1.5 × H 1.0 inches

XA3-30600
3 Channel (RGB) Power Repeater

This 3 channel power repeater allows easy extension of an existing RGB LED strip lighting system.

- Input Voltage: 12-24VDC
- Output Current: 6A max per channel
- Output Power: 216W @ 12V, 432W @ 24V
- Dimensions: L 6.6 × W 2.0 × H 0.9 inches

XA3-31000
3 Channel (RGB) Heavy Duty Power Repeater

This 3 channel power repeater allows easy extension of an existing RGB LED strip lighting system.

- Input Voltage: 12-24VDC
- Output Current: 10A max per channel
- Output Power: 360W @ 12V, 720W @ 24V
- Dimensions: L 3.3 × W 3.6 × H 1.0 inches

XA3-40500
4 Channel (RGBW) Power Repeater

This 4 channel power repeater allows easy extension of an existing RGBW LED strip lighting system.

- Input Voltage: 12-24VDC
- Output Current: 5A max per channel
- Output Power: 240W @ 12V, 480W @ 24V
- Dimensions: L 6.6 × W 2.0 × H 0.9 inches

LED Controllers

SINGLE & MULTI-CHANNEL LED CONTROLLERS FOR ANY APPLICATION

Our 12 and 24VDC constant voltage LED controllers work great with popular LED strip lighting. Designed with reliability and performance in mind, EuControls LED controllers use PWM (Pulse Width Modulation) to bring new colors and moods to never-before-imagined locations at low cost.

In addition to standard over-voltage and current protection, our controllers are fault tolerant and come with built-in power-off memory that returns the controller to the previous setting when powered on again.

XR6-30300-RF

3 Channel (RGB) Metal Encased LED Controller w/ RF Remote

This slim profile, metal encased controller is designed for the most challenging RGB applications in the field. 31 built-in modes.

- Input Voltage: 5-24VDC
- Output Current: 6A max per channel
- Output Power: 216W @ 12VDC, 432W @ 24VDC
- Dimensions: L 5.0 × W 2.2 × H 0.7 inches

Other versions available:
- **XR6-30300** (without remote control capability)
- **XR6-30300-IR** (with IR remote control)

XT3-30600-RF

3 Channel (RGB) LED Controller w/ Color Wheel RF Remote

With a touch sensitive color wheel remote and one-button access to white (turns on all RGB colors to create white), this controller provides extra ease of use and flexibility. 10 built-in modes.

- Input Voltage: 12-24VDC
- Output Current: 6A max per channel
- Output Power: 216W @ 12VDC, 432W @ 24VDC
- Dimensions: L 6.1 × W 2.0 × H 0.9 inches

Other versions available:
- **XT3-30600-IR** (with IR remote control)

XC3-40500-RF

4 Channel (RGBW) LED Controller w/ Color Wheel RF Remote

Control RGBW strip lighting using one truly compact unit. This controller's remote has a full color touch sensitive wheel and single button access to pure white. All colors are dimmable and can be set to eight levels of brightness. 10 built-in RGB modes.

- Input Voltage: 12-24VDC
- Output Current: 5A max per channel
- Output Power: 240W @ 12VDC, 480W @ 24VDC
- Dimensions: L 2.6 × W 2.5 × H 0.9 inches

RC3-30600-RF

3 Channel (RGB) Precision Dial LED Controller w/ RF Remote

Our latest RGB controller allows precision mixing of any desired output color with 3 independent channels using its 0–100% intensity rotary knobs. LED display shows exact RGB values. 37 built-in modes can also be utilized when not dialing in a precise color.

- Input Voltage: 12-24VDC
- Output Current: 6A per channel max
- Output Power 220W @ 12VDC, 440W @ 24VDC
- Dimensions: L 6.9 × W 1.8 × H 1.2 inches

XR6-31000-RF

3 Channel (RGB) High Power LED Controller w/ RF Remote

For the largest and most demanding applications, this RGB controller packs the greatest punch with our highest power output rating. 29 built-in modes.

- Input Voltage: 5-24VDC
- Output Current: 10A max per channel
- Output Power: 360W @ 12VDC, 720W @ 24VDC
- Dimensions: L 3.2 × W 3.6 × H 1.0 inches

XR3-30400-RF

3 Channel (RGB) Basic LED Controller w/ RF Remote

This basic controller comes with a built-in cord with connector that can be directly attached to most LED strip lighting. 31 built-in modes. Corresponding RGB LEDs reflect output activity.

- Input Voltage: 12-24VDC
- Output Current: 4A max per channel
- Output Power: 108W @ 12VDC, 216W @ 24VDC
- Dimensions: L 3.4 × W 2.6 × H 1.0 inches

XR6-30600-RF

3 Channel (RGB) LED Controller w/ RF Remote

This wall mountable controller provides high power control for a wide variety of applications.

- Input Voltage: 5-24VDC
- Output Current: 6A max per channel
- Output Power: 216W @ 12VDC, 432W @ 24VDC
- Dimensions: L 8.3 × W 1.6 × H 1.2 inches

XC3-20500-RF

2 Channel (Warm/Cool White) LED Controller w/ RF Remote

For specific color temperature control, this 2 channel controller allows simultaneous blending of both warm and cool white connected lights to create the right mood with the right shade of white.

- Input Voltage: 12-24VDC
- Output Current: 5A max per channel
- Output Power: 120W @ 12VDC, 240W @ 24VDC

DMT-20600-RF

2 Channel (Warm/Cool White) LED Controller w/ RF Remote

Use this unique color temperature controller to set the right mood. Up to 4 controllers can be paired to a single remote for distinct multi-zone control.

- Input Voltage: 12-60VDC
- Output Current: 6A max per channel
- Output Power: 144W @ 12V, 720W @ 60V
- Dimensions: L 3.7 × W 1.6 × H 1.0 inches

DU3-11500-RF

1 Channel (White) LED Controller w/ RF Remote

Dim your white LED strip lighting with this controller that allows 4 levels of dimming as well as changing and fading modes.

- Input Voltage: 12-24VDC
- Output Current: 15A max
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 6.1 × W 1.6 × H 1.2 inches

0–10V LED Dimming Controllers

INTEGRATE TRADITIONAL 0–10V DIMMERS WITH PWM-DIMMABLE LEDS

Dimming controllers allow seamless integration of existing 0–10V wall switch hardware for LED projects. 0–10VDC voltage signal is converted to PWM for smooth, accurate dimming.

DL3-11000

1 Channel (White) 0–10V LED Dimming Controller

0–10V active and 1–10V active/passive dimming signals supported. Linear and logarithmic dimming curves selectable. Brightness and dimming curves are set via DIP switches. Short circuit and over-current protection with warning LED.

- Input Voltage: 12-24VDC
- Output Current: 10A max
- Output Power: 120W @ 12V, 240W @ 24V
- Dimensions: L 6.6 × W 2.0 × H 0.9 inches

DL3-11500-MD

1 Channel (White) 0–10V LED Dimming Controller

0–10V active and 1–10V active/passive dimming signals supported. Linear and logarithmic dimming curves selectable. Brightness and dimming curves are set via DIP switches. Short circuit and over-current protection with warning LED.

- Input Voltage: 12-24VDC
- Output Current: 15A max
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 6.6 × W 2.1 × H 0.9 inches

DL3-30500

3 Channel (RGB) 0–10V LED Dimming Controller

1–10V active passive dimming signal supported. Ideal for use in providing separate dimming control of RGB color signals. Electrically isolated input and output terminals.

- Input Voltage: 12-24VDC
- Output Current: 5A max per channel
- Output Power: 180W @ 12V, 360W @ 24V
- Dimensions: L 6.5 × W 1.5 × H 1.0 inches

LED Strip Lighting

VERSATILE INDIRECT 12 & 24 VOLT LIGHTING FOR ANY APPLICATION

LED strip lighting is incredibly versatile yet cost effective. Self-adhesive strips can easily be installed for use as indoor and outdoor accent and architectural lighting in alcoves, under cabinets, behind shelves and TVs, in display cases, etc. The applications are endless.

Multicolored RGB

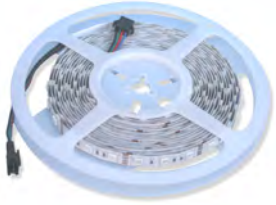
Recommended for play areas, signage, and decorative lighting.

Cool White (5700-5800 K)

Recommended for work areas, bathrooms, and garages.

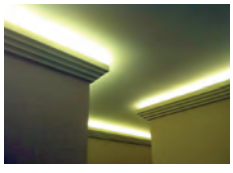
Warm White (2700-2800 K)

Recommended for living areas, accent lighting, and display cases.



Multicolored RGB + Warm White

Recommended for bedrooms, outdoor facades, and retail spaces.



Part Number	Input Voltage	Color	Length	LEDs per ft	Lumens per ft	Watts per ft	IP Rating
LS-RG3012-5A20	12VDC	RGB	16'4" ft	9	165	2.2	IP20
LS-RG6012-5A20	12VDC	RGB	16'4" ft	18	330	4.4	IP20
LS-RG3012-5C67	12VDC	RGB	16'4" ft	9	165	2.2	IP67
LS-CW3012-5A20	12VDC	Cool White	16'4" ft	18	330	2.2	IP20
LS-CW6012-5A20	12VDC	Cool White	16'4" ft	18	330	4.4	IP20
LS-CW6012-5C67	12VDC	Cool White	16'4" ft	18	330	4.4	IP67
LS-WW3012-5A20	12VDC	Warm White	16'4" ft	9	165	2.2	IP20
LS-WW6012-5A20	12VDC	Warm White	16'4" ft	18	330	4.4	IP20
LS-WW3012-5C67	12VDC	Warm White	16'4" ft	9	165	2.2	IP67
LS-RW6012-5C20	12VDC	RGBW	16'4" ft	18	330	4.4	IP20
LS-RW6012-5E67	12VDC	RGBW	16'4" ft	18	330	4.4	IP67
LS-RG3024-5A20	24VDC	RGB	16'4" ft	9	165	2.2	IP20
LS-RG6024-5A20	24VDC	RGB	16'4" ft	18	330	4.4	IP20
LS-RG3024-5C67	24VDC	RGB	16'4" ft	9	165	2.2	IP67
LS-CW3024-5A20	24VDC	Cool White	16'4" ft	9	165	2.2	IP20
LS-CW6024-5A20	24VDC	Cool White	16'4" ft	18	330	4.4	IP20
LS-CW6024-5C67	24VDC	Cool White	16'4" ft	18	330	4.4	IP67
LS-WW3024-5A20	24VDC	Warm White	16'4" ft	9	165	2.2	IP20
LS-WW6024-5A20	24VDC	Warm White	16'4" ft	18	330	4.4	IP20
LS-WW3024-5C67	24VDC	Warm White	16'4" ft	9	165	2.2	IP67
LS-RW6024-5C20	24VDC	RGBW	16'4" ft	18	330	4.4	IP20
LS-RW6024-5E67	24VDC	RGBW	16'4" ft	18	330	4.4	IP67

- IP20 rated strips are suitable for installation and operation in dry indoor locations only.
- IP67 rated strips are suitable for installation and operation in outdoor/wet locations.

- **Rated Life:** 50,000–100,000 hours
- **Viewing Angle:** 120°
- **Operating Temperature:** -4-113 °F
- **Storage Temperature:** -4–140 °F
- **Operating Humidity:** 40–70% relative (noncondensing)

LED Strip Connectors

SOLDERLESS CONNECTORS FOR LED STRIP LIGHTING

Connecting LED strips together and to wire leads ordinarily requires precise soldering. But with the help of plastic solderless connectors, make secure connections in a matter of seconds.

Part Number	Connector Type	Use With Strip Type
ACC-CN-BT-R20	RGB Butt Connector	RGB Indoor
ACC-CN-BT-RW20	RGBW Butt Connector	RGBW Indoor
ACC-CN-BT-W20	White Butt Connector	White Indoor
ACC-CN-EE-R20	RGB End-to-End Connector	RGB Indoor
ACC-CN-EE-RW20	RGBW End-to-End Connector	RGBW Indoor
ACC-CN-EE-W20	White End-to-End Connector	White Indoor
ACC-CN-KT-R67	RGB IP67 Connector Kit*	RGB Outdoor
ACC-CN-KT-W67	White IP67 Connector Kit*	White Outdoor
ACC-CN-KT-RW67	RGBW IP67 Connector Kit*	RGBW Outdoor

- Butt Connectors allow immediate, straight connections between strips.
- End-to-End Connectors allow connections around corners and at oblique angles.

*IP67 Connector Kits include matching waterproof end-to-end male/female connectors, 10 mounting clips with screws, 4 end caps, and silicone glue.

Power Supplies

UL LISTED 12 & 24 VOLT DC POWER SUPPLIES FOR CONTROLLERS AND MORE

Power supplies are necessary for powering LED controllers, strips, DMX decoders, and other lighting hardware. All of our AC/DC power supplies are UL listed for safety and reliability.

Part Number	Output Power	Output Voltage	Output Current	Input Voltage	Connection Type
PS-012-12	12W	12VDC	≤1A	100-240VAC @ 50/60Hz	Flying Leads, Tinned
PS-036-12	36W	12VDC	≤3A	100-240VAC @ 50/60Hz	Flying Leads, Tinned
PS-048-12	48W	12VDC	≤4A	100-240VAC @ 50/60Hz	Flying Leads, Tinned
PS-060-12	60W	12VDC	≤5A	100-240VAC @ 50/60Hz	Flying Leads, Tinned
PS-060-12-PL	60W	12VDC	≤5A	100-240VAC @ 50/60Hz	5.5mm OD Plug
PS-100-12	100W	12VDC	≤8.33A	100-240VAC @ 50/60Hz	Flying Leads, Tinned
PS-120-12	120W	12VDC	≤10A	100-240VAC @ 50/60Hz	Flying Leads, Tinned
PS-060-24	60W	24VDC	≤2.5A	100-240VAC @ 50/60Hz	Flying Leads, Tinned
PS-100-24	100W	24VDC	≤4.16A	100-240VAC @ 50/60Hz	Flying Leads, Tinned
PS-120-24	120W	24VDC	≤5A	100-240VAC @ 50/60Hz	Flying Leads, Tinned

- **Safety:** Over-voltage, over-current, and short circuit protection
- **Ripple and Noise:** 100mV max
- **Operating Temperature:** 32–104 °F
- **Storage Temperature:** -4–176 °F
- **Operating Humidity:** 5–90% relative (noncondensing)

LED Strip Lighting Systems

EVERYTHING YOU NEED TO GET STARTED WITH LED STRIP LIGHTING

LED strip lighting is incredibly versatile yet cost effective. Self-adhesive strips can be installed for indoor and outdoor accent and architectural lighting in alcoves, under cabinets, behind shelves, in display cases, behind TVs, etc. The applications are endless.

Each one of our complete, professional grade lighting kits includes an LED controller with wireless RF remote, a UL listed AC/DC power supply, connector hardware, and 16'4" of LED strip lighting containing high quality LED modules. The included installation and operation manual will help you light up your space in no time. With additional hardware, your system is infinitely expandable.

EUKT01-RGB30

RGB Multi Color Standard Brightness Lighting System

This system includes:
- 3 Channel RGB LED Controller
- RF Remote Control
- UL Listed AC/DC Power Supply
- 4 End-to-End Strip Connectors + 2 Butt Connectors
- 16'4" ft of Single Density RGB Indoor LED Strip (30 LEDs/m)
- Installation & Operation Manual

EUKT02-RGB60

RGB Multi Color High Brightness Lighting System

This system includes:
- 3 Channel RGB LED Controller
- RF Remote Control
- UL Listed AC/DC Power Supply
- 4 End-to-End Strip Connectors + 2 Butt Connectors
- 16'4" ft of Double Density RGB Indoor LED Strip (60 LEDs/m)
- Installation & Operation Manual

EUKT03-CW60

Cool White High Brightness Lighting System

This system includes:
- 1 Channel White LED Controller
- RF Remote Control
- UL Listed AC/DC 12V Power Supply
- 4 End-to-End Strip Connectors + 2 Butt Connectors
- 16'4" ft of Double Density Cool White Indoor LED Strip
- Installation & Operation Manual

EUKT04-WW30

Warm White Standard Brightness Lighting System

This system includes:
- 1 Channel White LED Controller
- RF Remote Control
- UL Listed Power AC/DC Supply
- 4 End-to-End Strip Connectors + 2 Butt Connectors
- 16'4" ft of Single Density Warm White Indoor LED Strip
- Installation & Operation Manual

EUKT05-RGBWW60

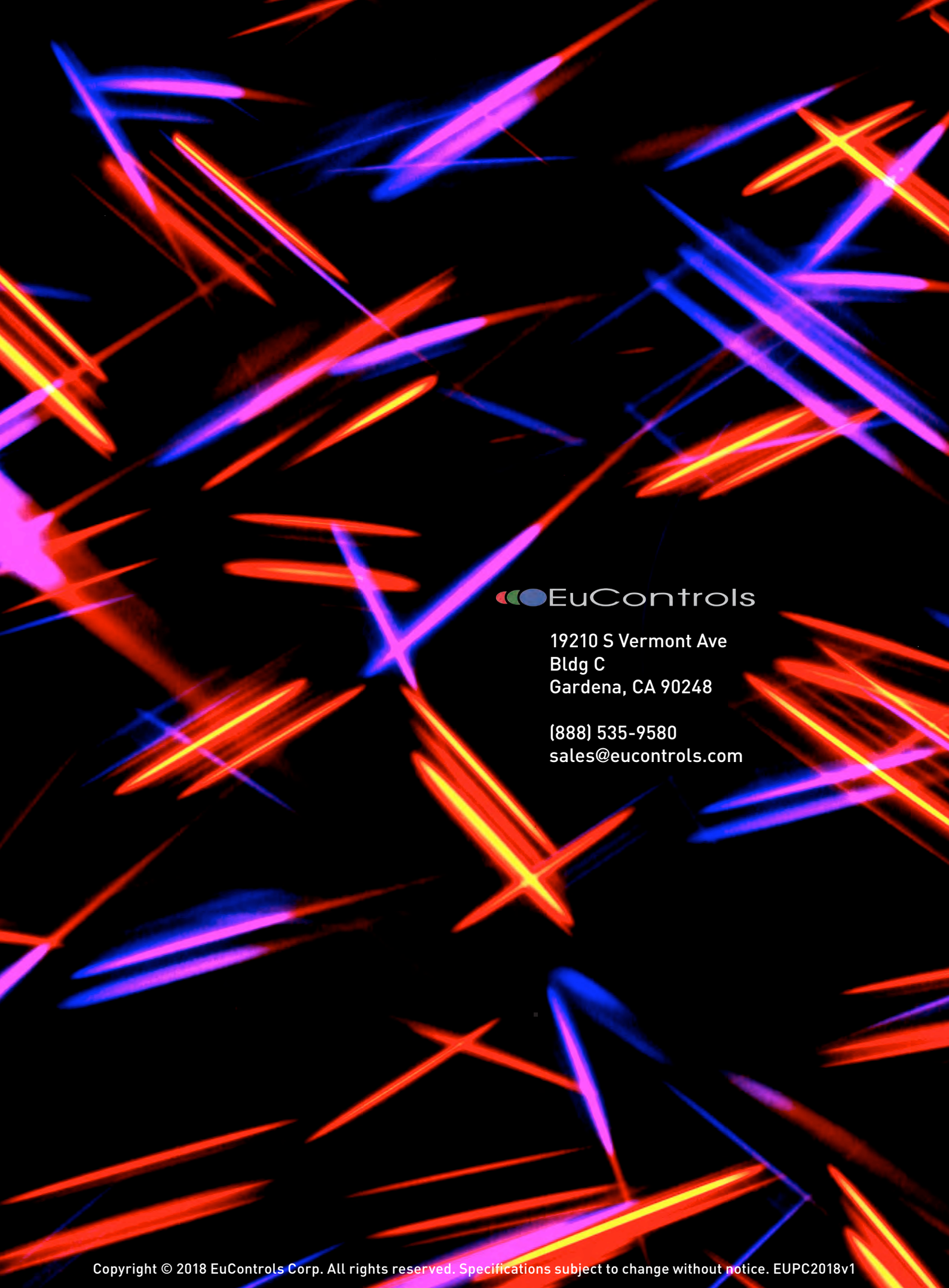
RGBW High Brightness Lighting System

This system includes:
- 4 Channel RGBW LED Controller
- RF Remote Control
- UL Listed AC/DC Power Supply
- 4 End-to-End Strip Connectors + 2 Butt Connectors
- 16'4" ft of Double Density RGBW Indoor LED Strip
- Installation & Operation Manual

EUKT06-CWWW30

Cool/Warm White Standard Brightness Lighting System

This system includes:
- 2 Channel Cool/Warm White LED Controller
- RF Remote Control
- UL Listed Power AC/DC Supply
- 4 End-to-End Strip Connectors + 2 Butt Connectors
- 16'4" ft of Single Density Cool White Indoor LED Strip
- 16'4" ft of Single Density Warm White Indoor LED Strip
- Installation & Operation Manual



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