EMCOD
LIGHTING GROUP

PRODUCT CATALOG

LED DRIVERS & LIGHTING TRANSFORMERS

ETL LISTED
Intertek

Dimmable

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EMCOD LIGHTING GROUP

Emcod Lighting group's advanced LED drivers and transformers bring innovation to commercial and residential lighting. Our group works with distributors, original equipment manufacturers and construction professionals to deliver unmatched product quality, in-stock inventory and exceptional support.

Delivering a Full Suite of Advanced LED Driver Solutions & Lighting Transformers

RESEARCH & DEVELOPMENT

- Product Design
- Development
- Engineering

OUR CAPABILITIES INCLUDE

- Low Voltage Power Solutions for Commercial & Residential
- Constant Voltage Solutions for Consumer & IndustryProfessionals
- Specification Products for Lighting, Fixture Design & General Use
- Product Development and Design
- Packaging and Private Label Solutions

Who we are

Emcod Lighting Group is an independent LED power company that focuses on LED drivers and transformers for Commercial, Industrial, and Residential applications. With a remarkable longevity in LED Technology since 2006, Emcod Lighting Group is one of the first companies in the industry to bring dimmable LED drivers into the linear lighting market.

Headquartered in Moorpark, CA, our in-house design and engineering team continues to push the boundary of dimmable LED lighting innovation across the full spectrum of LED Drivers. Our advanced manufacturing, customer support capabilities and superior R&D enables us to create and tailor power supply and transformer solutions to address the needs of an ever-evolving LED market.

Table of Content

EMCOD (Electro-Magnetic Component Optimal Design) is a world-class developer and manufacturer of LED drivers, Lighting and custom made general-purpose transformers for electronic and electrical equipment.

ECV-UD Series

ULTIMATE UNIVERSAL DRIVER

Universal Output: PWM 4kHz or Linear Amplitude Regulation, setting by integrated in wire compartment switch and adjusting output voltage knob. Universal Dimming: Triac - forward and revers phase, 0/1-10V, PWM and Resistor - 5 in 1dimming options. High PF >95 and low THD <20%. Short circuit, overload and temperature protection. Black powder coated metal case suitable for dry, damp and wet locations. Removable cover on single hinge.

Wattage:
30W, 60W, 80W ,96W ,100W, 120W, 150W, 150W, 200W and 300W

Output Voltage:
12V, 24V, 36V, 48V

Input Voltage:
100V-277V 50/60HZ

All: usULc listed, Class P, Type HL. FCC, NEMA 4X, CE, R0Hs.
Load range 0.1-100%. Title 24 JA8 compliant.

Part number	Wattage	Output Voltage	Input Voltage	Class 2	Num. of circuits
ECV30-12DC-UD	30W	12VDC	100-277V 50/60Hz	✓	single
ECV30-24DC-UD	30W	24VDC	100-277V 50/60Hz	✓	single
ECV60-12DC-UD	60W	12VDC	100-277V 50/60Hz	✓	single
ECV60-24DC-UD	60W	24VDC	100-277V 50/60Hz	✓	single
ECV80-12DC-UD	80W	12VDC	100-277V 50/60Hz		single
ECV80-24DC-UD	80W	24VDC	100-277V 50/60Hz	✓	single
ECV96-24DC-UD	96W	24VDC	100-277V 50/60Hz	✓	single
ECV100-12DC-UD	100W	12VDC	100-277V 50/60Hz		single
ECV120-12DC-UD	120W	12VDC	100-277V 50/60Hz		single
ECV120-24DC-UD	120W	24VDC	100-277V 50/60Hz		single
ECV150-12DC-UD	150W	12VDC	110-277V 50/60Hz		single
ECV150-24DC-UD	150W	24VDC	110-277V 50/60Hz		single
ECV200-12DC-UD	200W	12VDC	110-277V 50/60Hz		single
ECV200-24DC-UD	200W	24VDC	110-277V 50/60Hz		single
ECV300-12DC-UD	300W	12VDC	110-277V 50/60Hz		single
ECV300-24DC-UD	300W	24VDC	110-277V 50/60Hz		single

ECC-UD Series

MULTI-CURRENT WITH DPI ADJUSTMENT

Strong combability, flicker free dimming. Good efficiency >83%. Power Factor 0.99 Cooling by free air convection. Full protection plastic housing IP20 rating for indoor installation. Input, output and dimming terminal blocks for easy installation. Protection: short circuit, over load and over temperature, recover automatically after fault condition is removed.
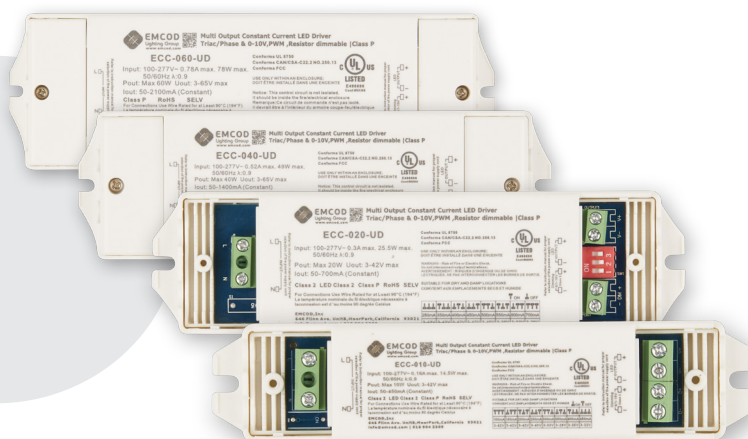
Wattage:
10W, 20W, 40W and 60W

Output Voltage:
3-65V depend a model and of a current

Input Voltage:
100-277V 50/60Hz

Part number	Wattage	Output Voltage	Input Voltage	Class 2	Num. of circuits
ECC-010-UD	10W	3-42V DC	100-277V 50/60Hz	✓	single
ECC-020-UD	20W	3-42V DC	100-277V 50/60Hz	✓	single
ECC-040-UD	40W	3-65V DC	100-277V 50/60Hz		single
ECC-060-UD	60W	3-65V DC	100-277V 50/60Hz	✓	single

EDR Series

EMCOD DIN RAIL UNIVERSAL DRIVER EDR

ELECTRONIC UNIVERSAL DRIVER Series is Universal Constant Voltage, PWM output, Triac (Phase), 0/1-10V, Resistor, PWM Control, 5 in 1 Dimmable Electronic LED Driver. 5% minimum load. Overload, Short circuit, and Thermal protection. Operating temperature -40C ~ +60C. Excellent Line and Load regulation. Wide variety of compatible dimmers, flicker free dimming. Dry and Damp Location. Plastic case for Din Rail installation.

Wattage:
60W, 96W and 100W
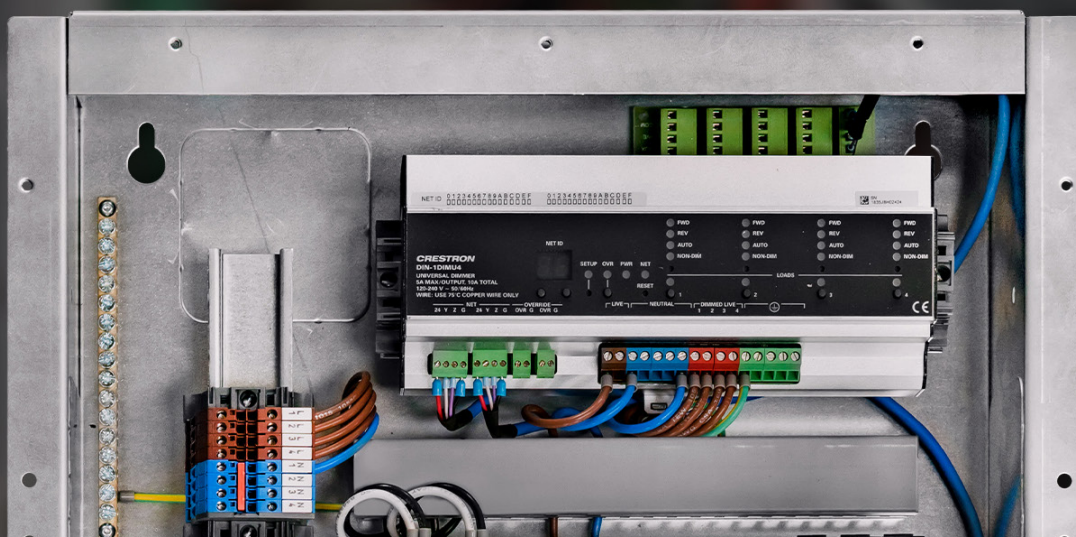
Output Voltage:
12V, 24V and 48V PWM 4kHz frequency

Input Voltage:
Universal 110-277V 50/60Hz

All: UL8750 Listed for US and Canada. Class 2 for 12V 60W and for 24V 96W, class P

Part number	Wattage	Output Voltage	Input Voltage	Class 2	Num. of circuits
EDR60-12DC	60W	12V DC	100-277V 50/60Hz	✓	single
EDR60-24DC	60W	24V DC	100-277V 50/60Hz	✓	single
EDR100-12DC	100W	12V DC	100-277V 50/60Hz		single
EDR96-24DC	96W	24V DC	100-277V 50/60Hz	✓	single

ES-UD Series

ELECTRONIC PWM CONSTANT VOLTAGE SERIES

EMCOD ES-UD Series is Universal Constant Voltage, PWM output, Triac (Phase), 0/1-10V, Resistor, PWM Control, 5 in 1 Dimmable Electronic LED Driver. 5% minimum load. Overload, Short circuit and Thermal protection. Operating temperature -40C ~ +60C. Excellent Line and Load regulation. Wide variety of compatible dimmers, flicker free dimming. Dry and Damp Location.
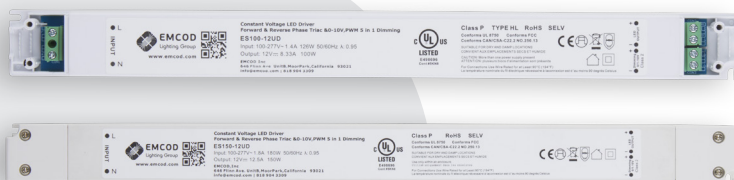
Wattage:
30W, 36W, 60W, 96W, 100W and 150W

Output Voltage:
12VDC and 24VDC Output PWM frequency 20kHz

Input Voltage:
Universal 100-277VAC 50/60Hz

All: UL8750 Listed for US and Canada. Class 2 for 12V up to 60W and for 24V up to 96W. Meet T24, Class P, Type HL, FCC, RoHS, SELV, CE.

Part number	Wattage	Output Voltage	Input Voltage	Class 2	Num. of circuits
ES30-12UD	30W	12V DC	100-277V 50/60Hz	✓	single
ES30-24UD	30W	24V DC	100-277V 50/60Hz	✓	single
ES60-12UD	60W	12V DC	100-277V 50/60Hz	✓	single
ES60-24UD	60W	24V DC	100-277V 50/60Hz	✓	single
ES96-24UD	96W	24V DC	100-277V 50/60Hz	✓	single
ES100-12UD	100W	12V DC	100-277V 50/60Hz		single
ES150-12UD	150W	12V DC	100-277V 50/60Hz		single
ES150-24UD	150W	24V DC	100-277V 50/60Hz		single

SMT Series

SMART TRANSFORMER SERIES

Wi-Fi, Bluetooth controlled, Integrated short circuit and overload protections. Three independent zone controlled channels with EMCOD APP, Alexa , Google Voice, IOS and Android Compatible. Scheduling Timer Control , Sunset and Sunrise digital photocell Independent for each channel. Clock Timer On/Off option. Digital Power Meter Determines System Power consumption. 304 Stainless Steel with locking hinge door for indoor and outdoor applications. Operating temperature -20C to +40C.
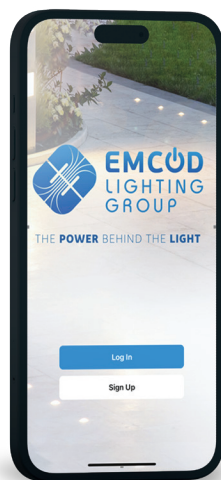
Wattage:
300W

Output Voltage:
15V

Input Voltage:
120V 60Hz

All: ETL UL1838 Listed Wi-Fi Range is 80Ft (Free Area)

Part number	Wattage	Output Voltage	Input Voltage	Class 2	Terminal Block	Secondary Breaker	Num. of circuits
SMT300W	300W	15VAC	120V 60Hz		✓	✓	multi

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