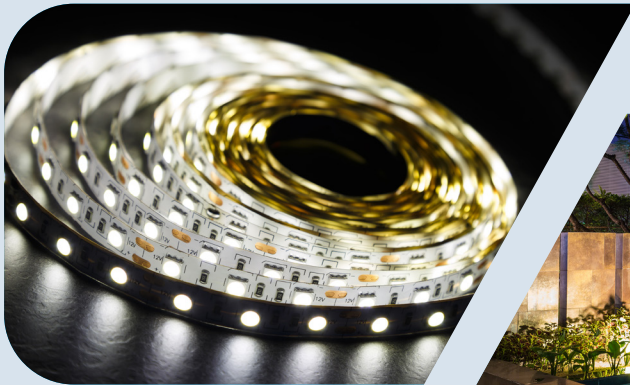




**EMCØD**  
LIGHTING  
GROUP



# PRODUCT CATALOG

**LED DRIVERS & LIGHTING TRANSFORMERS**





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 & Industry Professionals
- 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 Canoga Park, 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.



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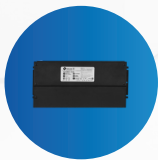
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EMCOD (Electro-Magnetic Component Optimal Design) is a world-class developer and manufacturer of LED drivers, Lighting and custom made general-purpose transformers for electronic and electrical equipment.

# MLE-UD Series

## MAIN-LED ELECTRONIC UNIVERSAL DRIVER EMCOD

MLE-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 protection. Excellent Line and Load regulation. Wide variety of compatible dimmers, flicker free dimming. Dry, Damp and Wet Location.

### Wattage:

30W, 60W, 80W, 96W, 100W, 120W, 150W, 200W, 300W

### Output Voltage:

12VDC and 24VDC

### 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



Part number	Wattage	Output Voltage	Input Voltage	Class 2	Num. of circuits
MLE30-12DC-UD	30	12VDC	100-277V 50/60Hz	✓	single
MLE30-24DC-UD	30	24VDC	100-277V 50/60Hz	✓	single
MLE60-12DC-UD	60	12VDC	100-277V 50/60Hz	✓	single
MLE60-24DC-UD	60	24VDC	100-277V 50/60Hz	✓	single
MLE80-12DC-UD	80	12VDC	100-277V 50/60Hz		single
MLE80-24DC-UD	80	24VDC	100-277V 50/60Hz	✓	single
MLE96-24DC-UD	96	24VDC	100-277V 50/60Hz	✓	single
MLE100-12DC-UD	100	12VDC	100-277V 50/60Hz		single
MLE100-24DC-UD	100	24VDC	100-277V 50/60Hz		single
MLE120-12DC-UD	120	12VDC	100-277V 50/60Hz		single
MLE120-24DC-UD	120	24VDC	100-277V 50/60Hz		single
MLE150-12DC-UD	150	12VDC	110-277V 50/60Hz		single
MLE150-24DC-UD	150	24VDC	110-277V 50/60Hz		single
MLE200-12DC-UD	200	12VDC	110-277V 50/60Hz		single
MLE200-24DC-UD	200	24VDC	110-277V 50/60Hz		single
MLE300-12DC-UD	300	12VDC	110-277V 50/60Hz		single
MLE300-24DC-UD	300	24VDC	110-277V 50/60Hz		single

# MLE-P Series

MICRO-LED ELECTRONIC PLASTIC HOUSING EMCOD

MLE-P Series is Extremely Compact Low profile Constant Voltage, Triac (Phase) Dimmable Electronic LED Driver for Forward and Reverse Phase Dimmers. 5% minimum load. Over load, Short circuit protection. Excellent Line and Load regulation. Wide variety of compatible dimmers, flicker free dimming. Fit in 4" Junction Box. US and Canada UL Recognized, Class 2, UL8750 and UL1310 certified.

**Wattage:**

60W

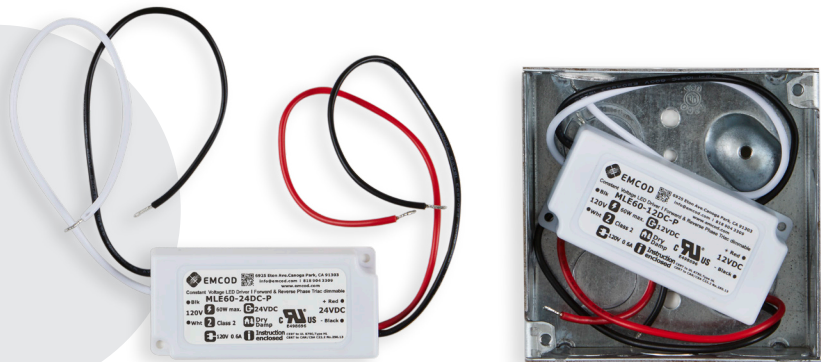
**Output Voltage:**

12VDC and 24VDC

**Input Voltage:**

120V 50/60Hz

**All:** Class 2, For Dry and Damp Location



Part number	Wattage	Output Voltage	Input Voltage	Class 2	Num. of circuits
MLE60-12DC-P	60	12VDC	120V 50/60Hz	✓	single
MLE60-24DC-P	60	24VDC	120V 50/60Hz	✓	single





# MLE-UD-C2 Series

MAIN-LED ELECTRONIC UNIVERSAL DRIVER-CLASS 2 EMCOD

MLE-UD C2 Series is a Class 2 dimmable LED Driver, Universal Constant Voltage, PWM output, Triac (Phase), 0/1-10V, Resistor, PWM Control, 5 in 1 Dimmable Electronic LED Driver is available in 2 - 5 circuit configurations. 5% minimum load, Overload, Short circuit protection. Excellent Line and Load regulation. Wide variety of compatible dimmers, flicker free dimming. Dry, Damp and Wet Location.

**Wattage:**

180W, 192W, 288W, 300W

**Output Voltage:**

12VDC and 24VDC

**Input Voltage:**

Universal 110-277V 50/60Hz

**All:** UL8750 Listed for US and Canada. Class 2 for 12V up to 60W and for 24V up to 96W



Part number	Wattage	Output Voltage	Input Voltage	Class 2	Num. of circuits
MLE180C2-12UD	180	12VDC	110-277V 50/60Hz	✓	multi
MLE300C2-12UD	300	12VDC	110-277V 50/60Hz	✓	multi
MLE192C2-24UD	192	24VDC	110-277V 50/60Hz	✓	double
MLE288C2-24UD	288	24VDC	110-277V 50/60Hz	✓	multi

# ML Series

## MAG-LED SERIES

ML Series is our most popular magnetic LED Driver series due to the low profile design and triac/phase dimmable option. The transformer core and special low drop voltage rectifier are designed to lower losses and makes the ML series very energy efficient with a very low temperature rise. Our ML series comes standard with primary and secondary self-reset thermal circuit breakers, hardwire input and output lead wires. Our transformers can be fully loaded and have excellent load regulation.

### Wattage:

5W, 10W, 20W, 30W, 35W, 40W, 50W, 60W, 75W and 100W

### Output Voltage:

12V or 24V, AC or DC

### Input Voltage:

120V, 240V, 277V 60Hz and 220V, 230V, 240V 50/60Hz (up to 35W)

**All:** Outdoor/indoor, Class 2 UL1310 standard, Low profile, Powder coated steel enclosure, Single circuit, Primary and Secondary auto - reset breaker.



Part number	Wattage	Output Voltage	Input Voltage	Class 2	Secondary Breaker	Num. of circuits
ML5S12DC	5	12VDC	120V 60Hz	✓	✓	single
ML5S24DC	5	24VDC	120V 60Hz	✓	✓	single
ML10S12AC	10	12VAC	120V 60Hz	✓	✓	single
ML10S12DC	10	12VDC	120V 60Hz	✓	✓	single
ML10S12DC277	10	12VDC	277V 60Hz	✓	✓	single
ML10S24AC	10	24VAC	120V 60Hz	✓	✓	single
ML10S24DC	10	24VDC	120V 60Hz	✓	✓	single
ML10S24DC277	10	24VDC	277V 60Hz	✓	✓	single
ML20S12AC	20	12VAC	120V 60Hz	✓	✓	single
ML20S12DC	20	12VDC	120V 60Hz	✓	✓	single
ML20S12DC277	20	12VDC	277V 60Hz	✓	✓	single
ML20S24AC	20	24VAC	120V 60Hz	✓	✓	single
ML20S24DC	20	24VDC	120V 60Hz	✓	✓	single
ML20S24DC277	20	24VDC	277V 60Hz	✓	✓	single
ML30S12DC	30	12VDC	120V 60Hz	✓	✓	single
ML35S12AC	35	12VAC	120V 60Hz	✓	✓	single
ML35S12DC	35	12VDC	120V 60Hz	✓	✓	single
ML35S12DC277	35	12VDC	277V 60Hz	✓	✓	single
ML35S24AC	35	24VAC	120V 60Hz	✓	✓	single
ML35S24DC	35	24VDC	120V 60Hz	✓	✓	single
ML35S24DC277	35	24VDC	277V 60Hz	✓	✓	single



# ML Series

Part number	Wattage	Output Voltage	Input Voltage	Class 2	Secondary Breaker	Num. of circuits
ML40S12AC	40	12VAC	120V 60Hz	✓	✓	single
ML40S12DC	40	12VDC	120V 60Hz	✓	✓	single
ML40S12DC277	40	12VDC	277V 60Hz	✓	✓	single
ML40S24AC	40	24VAC	120V 60Hz	✓	✓	single
ML40S24DC	40	24VDC	120V 60Hz	✓	✓	single
ML40S24DC277	40	24VDC	277V 60Hz	✓	✓	single
ML50S12AC	50	12VAC	120V 60Hz	✓	✓	single
ML50S12DC	50	12VDC	120V 60Hz	✓	✓	single
ML50S12AC277	50	12VAC	277V 60Hz	✓	✓	single
ML50S12DC277	50	12VDC	277V 60Hz	✓	✓	single
ML50S24AC	50	24VAC	120V 60Hz	✓	✓	single
ML50S24DC	50	24VDC	120V 60Hz	✓	✓	single
ML50S24DC277	50	24VDC	277V 60Hz	✓	✓	single
ML60S12AC	60	12VAC	120V 60Hz	✓	✓	single
ML60S12AC b	60	12VAC	120V 60Hz	✓	✓	single
ML60S12DC	60	12VDC	120V 60Hz	✓	✓	single
ML60S12DC b	60	12VDC	120V 60Hz	✓	✓	single
ML60S12AC277	60	12VAC	277V 60Hz	✓	✓	single
ML60S12DC277	60	12VDC	277V 60Hz	✓	✓	single
ML60S12DC277b	60	12VDC	277V 60Hz	✓	✓	single
ML60S24DC	60	24VDC	120V 60Hz	✓	✓	single
ML60S24DC b	60	24VDC	120V 60Hz	✓	✓	single
ML60S24DC277	60	24VDC	277V 60Hz	✓	✓	single
ML60S24DC277-b	60	24VDC	277V 60Hz	✓	✓	single
ML75S12AC	75	12VAC	120V 60Hz		✓	single
ML75S12DC	75	12VDC	120V 60Hz		✓	single
ML75S12DC277	75	12VDC	277V 60Hz		✓	single
ML75S24DC	75	24VDC	120V 60Hz	✓	✓	single
ML75S24DC277	75	24VDC	277V 60Hz	✓	✓	single
ML96S24AC 277	96	24VAC	120/277V 60Hz	✓	✓	single
ML100S24DC	96	24VDC	120V 60Hz	✓	✓	single
ML96S24DC	96	24VDC	120V 60Hz	✓	✓	single
ML100S24DC208	96	24VDC	208V 60Hz	✓	✓	single
ML96S24DC277	96	24VDC	277V 60Hz	✓	✓	single
ML100S12AC	100	12VAC	120V 60Hz		✓	single
ML100S12DC	100	12VDC	120V 60Hz		✓	single
ML100S12DC277	100	12VDC	277V 60Hz		✓	single
ML100S24AC	100	24VAC	120V 60Hz	✓	✓	single
ML100S24DC277	100	24VDC	277V 60Hz	✓	✓	single



# EM Series

## EMCOD INDOOR/OUTDOOR SERIES

EM - EMCOD Indoor/Outdoor Series is a dimmable, magnetic, hard wire power supplies, which can supply 12V or 24V, AC or DC voltage to any kind of low voltage fixtures: LED, Halogen, Xenon and so on. The AC units have a boost tap on the primary side compensates wire drop voltage on a long run and maintains a brightness of your lights. Primary manually reset circuit breaker on all our products is standard. Secondary protection is optional for AC and standard for all DC products. Two section bobbin provides complete insulation between primary and secondary sides. Encapsulated with polyester resin for whisper quiet operation. Small dimensions and weight saves space and lowers an installation cost. The outdoor enclosure rated NEMA 3R or IP24.

### Wattage:

60W, 75W, 90W, 100W, 150W, 200W, 250W, 300W, 500W and 600W.

### Output Voltage:

12V or 24V, AC or DC

### Input Voltage:

120V 60Hz, 277V 60Hz

**All:** Indoor/Outdoor black powder coated or Stainless Steel enclosure, Primary and Secondary circuit breaker, Dimmable, Boost tap on AC units.



Part number	Wattage	Output Voltage	Input Voltage	Terminal Block	Secondary Breaker	Num. of circuits
EM600S24DC277	600	24VDC	277V 60Hz			single
EM600S12DC277	600	12/24VDC	277V 60Hz			double
EM150S12AC	150	12VAC	120V 60Hz		✓	single
EM150S12DC	150	12VDC	120V 60Hz		✓	single
EM150S12AC277	150	12VAC	277V 60Hz		✓	single
EM150S12DC277	150	12VDC	277V 60Hz		✓	single
EM150S24AC	150	24VAC	120V 60Hz		✓	single
EM150S24DC	150	24VDC	120V 60Hz		✓	single
EM150S24DC277	150	24VDC	277V 60Hz		✓	single
EM200S12AC	200	12VAC	120V 60Hz		✓	single
EM200S12DC	200	12VDC	120V 60Hz		✓	single
EM200S12DC277	200	12VDC	277V 60Hz		✓	single
EM200S24AC	200	24VAC	120V 60Hz		✓	single
EM200S24DC	200	24VDC	120V 60Hz		✓	single
EM200S24DC277	200	24VDC	277V 60Hz		✓	single
EM250S12AC	250	12VAC	120V 60Hz		✓	single
EM250S12DC	250	12VDC	120V 60Hz		✓	single
EM300S12AC	250	24VDC	120V 60Hz		✓	single
EM300S12DC	300	12VAC	120V 60Hz		✓	single
EM300S12AC277	300	12VDC	120V 60Hz		✓	single

# EM Series

Part number	Wattage	Output Voltage	Input Voltage	Class 2	Secondary Breaker	Num. of circuits
EM500S12AC	500	12VDC	12/24VAC			double
EM600S12DC	600	24VDC	2 X 12VDC		✓	double
EM600S24AC	600	12VAC	24VAC		✓	single
EM600S24DC	600	12VDC	24VDC		✓	single
EM600S12/24DC	600	12VDC	12/24VDC		✓	double
EM600S12AC	600	24VAC	12/24VAC			double
EM600S12AC277	600	24VDC	12/24VAC			double



# ESL - EPC Series

EMCOD STAINLESS STEEL LANDSCAPE, MANUAL TIMER, TWO TAPS, LOW VOLTAGE SERIES

Landscape low voltage lighting transformer specifically designed for LED landscape fixtures. The transformer has two output options 12V and 15V for either a short and long distance circuits to compensate wire drop voltage. High grade core and copper winding provide excellent load regulation and efficiency. Built in manual 24h timer and photocell provide full control and energy savings. Secondary push to reset circuit breaker provide short circuit and overload protection. Removable slide door. Suitable for Wet Location, ETL Listed to UL STD 1838, CSA STD C22.2 250.0 and 250.7.

**Wattage:**

40W, 75W, 100W, 200W and 300W

**Output Voltage:**

12V, 15V

**Input Voltage:**

120V 60Hz

**All:** Built in manual timer and photocell, secondary circuit breaker, line cord, compact, economy solution.



Part number	Wattage	Output Voltage	Input Voltage	Terminal Block	Secondary Breaker	Num. of circuits
ESL40W	40	12VAC and 15VAC	120V 60Hz	✓	✓	single
ESL75W	75	12VAC and 15VAC	120V 60Hz	✓	✓	single
ESL100W	100	12VAC and 15VAC	120V 60Hz	✓	✓	single
ESL200W	200	12VAC and 15VAC	120V 60Hz	✓	✓	single
ESL300W	300	12VAC and 15VAC	120V 60Hz	✓	✓	single
EPC40W	40	12VAC and 15VAC	120V 60Hz	✓	✓	single
EPC75W	75	12VAC and 15VAC	120V 60Hz	✓	✓	single
EPC100W	100	12VAC and 15VAC	120V 60Hz	✓	✓	single
EPC200W	200	12VAC and 15VAC	120V 60Hz	✓	✓	single
EPC300W	300	12VAC and 15VAC	120V 60Hz	✓	✓	single

# EMT Series

EMCOD LANDSCAPE MULTI-TAP, BUILD-IN TIMER AND PHOTOCELL OPTIONS, STAINLESS OR BLACK COATED STEEL

The series has been specifically designed for long distance applications to compensate wire drop voltage. An electrician can simultaneously select from up to four different output voltage 12V, 13V, 14V and 15V. The EMT has large terminal block for easy installation and reliable operation. High grade core and copper winding provide excellent load regulation and efficiency. Build in timer and photocell options provide full control and energy savings. Secondary toggle switch circuit breaker provide short circuit and overload protection. Removable door: Side Hinge or Slide Cover. Suitable for Wet Location, ETL Listed to UL STD 1838, CSA STD C22.2 250.0 and 250.7.

**Wattage:**

40W, 75W, 150W, 300W, 600W, 900W and 1200W

**Output Voltage:**

12V, 13V, 14 and 15V

**Input Voltage:**

120V 60Hz

**All:** Outdoor/indoor use, NEMA 3R rated, Secondary toggle switch circuit breaker, Timer and photocell option, Removable door with side hinge or slide cover for easy installation.



Part number	Wattage	Output Voltage	Input Voltage	Terminal Block	Secondary Breaker	Num. of circuits
EMT150-E	150	12-15VAC	120V 60Hz	✓	✓	single
EMT150SS-E	150	12-15VAC	120V 60Hz	✓	✓	single
EMT300-E	300	12-15VAC	120V 60Hz	✓	✓	single
EMT300SS-E	300	12-15VAC	120V 60Hz	✓	✓	single
EMT600-E	600	12-15VAC	120V 60Hz	✓	✓	double
EMT600SS-E	600	12-15VAC	120V 60Hz	✓	✓	double
EMT900-E	900	12-15VAC	120V 60Hz	✓	✓	multi
EMT900SS-E	900	12-15VAC	120V 60Hz	✓	✓	multi
EM1200SS-E	1200	12-15VAC	120V 60Hz	✓	✓	multi





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