

## FEATURES

- Output constant voltage / Multi-output
- Input voltage range: 100-277VAC
- Built-in PFC function / PF>0.98
- High efficiency > 89% / Dimming range: 0~100% / Load: 10-100%
- Protections: short circuit / over voltage / over heat
- IP67 design for indoor or outdoor installations
- Cooling by free air convection
- Strong compatibility, flicker-free dimming, PWM output
- Compliance to worldwide safety regulations for lightings.
- Compatible with Forward phase, Reverse phase, Triac, MLV, ELV Dimmers
- UL, cUL listed, Class 2, Class P, Type HL rated. FCC

### TECHNICAL SPECIFICATIONS

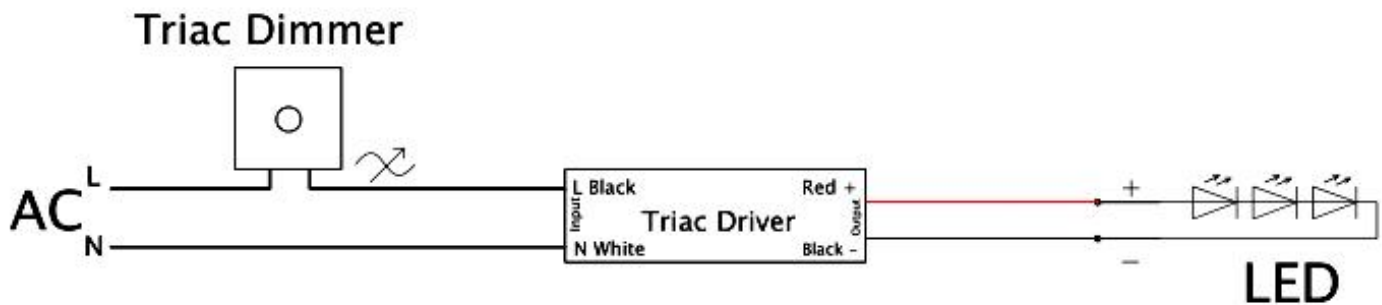
Model		LCPSL CODIMC2-24V-192W-IP67
Output	DC Voltage	24V
	Voltage Tolerance	±0.5V
	Voltage Accuracy	±0.5V
	Voltage Regulation	±0.5%
	Load Regulation	±1%
	Rated Current	8.0A (2*4A)
	Rated Power	192W
Input	Voltage Range	100-277VAC
	Frequency Range	47 ~ 63HZ
	Power Factor (Typ.) @full load	0.98@120VAC 0.95@277VAC
	THD (Typ.) @full load	<20%
	Inrush Current (Typ.)	19A, 50%, 1.3ms @120VAC ; 38A, 50%, 960us @277VAC
	Efficiency (Typ.) @Full Load	87%@120VAC 89%@277VAC
	AC Current (Typ.)	2.3A @100VAC
	Leakage current	<0.50mA
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.
	Over load	≤120% constant current limiting, auto-recovery
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling
	Over voltage	≤140VAC (90~135V), ≤270VAC (170~265V)
Environment	Working temp.	-40 ~ +60°C
	Working Humidity	20 ~ 90%RH, non-condensing
	Storage TEMP., Humidity	-40 ~ +80°C, 10 ~ 95%RH
	TEMP. coefficient	±0.03%/°C (0 ~ 50°C)
	Vibration	10 ~ 500Hz 2G 10min./1 cycle, period for 60min.each along X,Y,Z axes
Safety & EMC	Safety standards	UL8750+UL1310
	Withstand voltage	I/P-O/P: 1.88KVAC
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
	EMC EMISSION	FCC 47 CFR Part 15, Subpart B
Others	Weight	1.7Kg
Notes	<p>1. All parameters not specifically mentioned are measured at 110V/277VAC input, rated load, and an ambient temperature of 25°C.</p> <p>2. Tolerance includes setup tolerance, line regulation, and load regulation.</p>	

- Connect the black and white input wires to the AC L (live) and N (neutral) respectively, and the green wire to the ground.
- For the output wires, connect the red wire to the positive side (+) of the LED and the black wire to the negative side (-) of the LED.
- It is crucial to ensure these connections are made correctly to prevent malfunction and potential damage to the product.

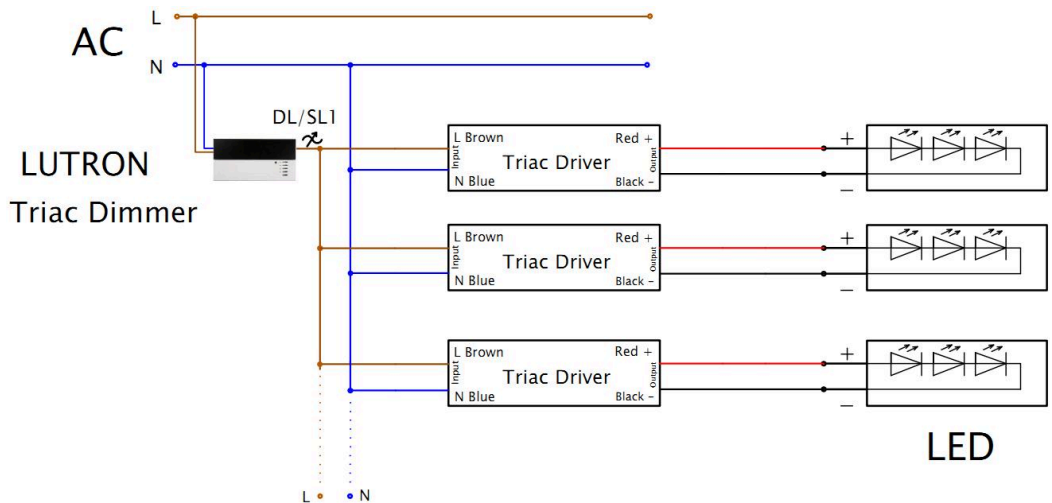
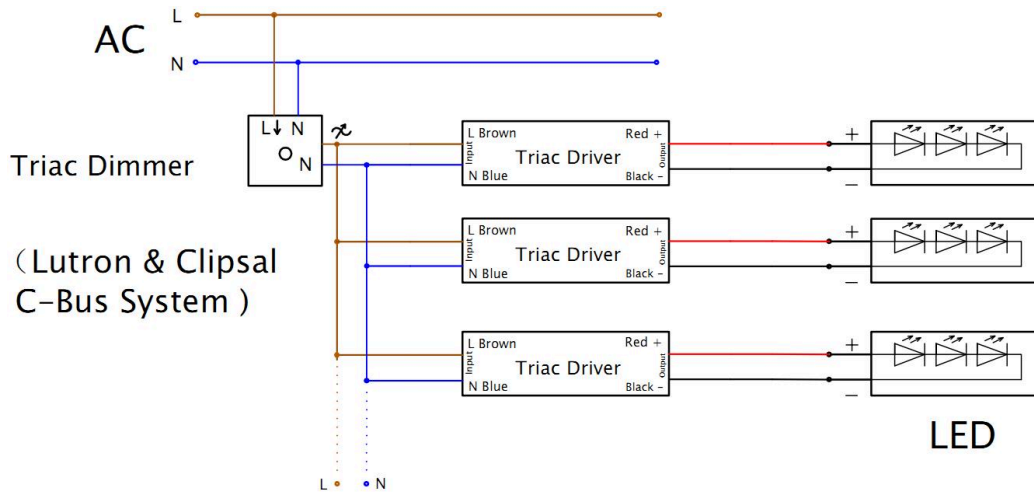
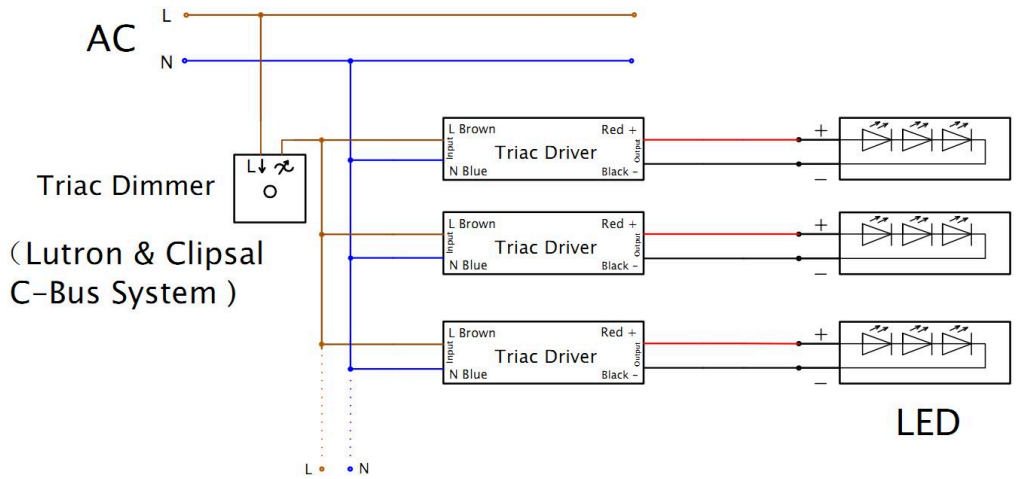
## CONNECTING DIAGRAM

1. The output constant current level can be adjusted via the input terminal of the AC phase line (L) by connecting a triac dimmer.
2. The Pulse-Width Modulation (PWM) of the output voltage can be adjusted through the input terminal of the AC phase line (L) by connecting a phase/triac dimmer.
3. Compatible with forward phase (leading edge), magnetic low voltage, triac dimmers, and reverse phase (trailing edge), electric low voltage dimmers.
4. Use small power dimmers with a capacity at least 1.5 times the output power of the driver to achieve a wider dimming range. High-power dimmers may have difficulty reducing the output current to zero.

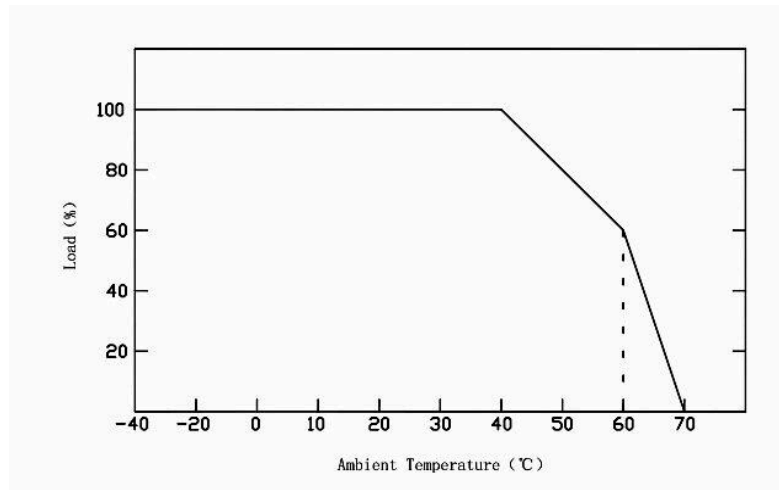
Simple connection diagram



CONNECTING DIAGRAM



## DERATING CURVE



Make sure to adjust the load based on the load derating curve, which accounts for changes in ambient temperature. This helps prolong the working life of the system.

## INSTRUCTION

- This driver should be installed by a qualified professional.
- Ensure that the driver is installed with sufficient ventilation to allow for proper heat dissipation.
- Verify the wiring is correct before testing to prevent damage to the light and power supply.