

1-Channel Class 2 LED Driver with Enclosure



FEATURES

- Output constant voltage, class 2 multi-channels
- UL, cUL listed, Class 2, Class P, Type HL
- Range: 100-277VAC
- High power factor up to 88%
- Short circuit, over loading, and over temperature protection
- Cooling by free air convection
- Full protection aluminum housing for dry and damp locations

SPECIFICATIONS

Model		CL-24096-ASWJV2		
Certificates		UL, cUL, FCC, Class 2		
Output	DC Voltage	24V		
	Rated Current	4A		
	Rated Power	96W		
	Voltage Tolerance	±0.5V		
	Voltage Regulation	±0.5%		
	Load Regulation	±1%		
Input	Voltage Range	100-277VAC		
	Frequency Range	47-63Hz		
	Power Factor (Typ.) @ full load	0.99@120VAC	0.95@230VAC	0.97@277VAC
	THD (Typ.) @ full load	<15%@120VAC	<20%@230VAC	<20%277VAC
	Efficiency (Typ.) @ full load	88%@120VAC	88%230VAC	87%@277VAC
	AC Current (Max.)	1.5A@100VAC		
	Inrush Current (Typ.)	20A, 50%, 1.6ms@120VAC; 30A, 50%, 200ms@230VAC; 25A, 50%, 1.2ms@277VAC		
Leakage Current	<0.50mA			
Protection	Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition is removed.		
	Over Loading	≤120% constant current limiting, auto-recovery		
	Over Temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.		
Environment	Working Temperature	-40~+60°C (see derating curve)		
	Working Humidity	20~90%RH, non-condensing		
	Storage Temperature Humidity	-40~+80°C, 10~95%RH		
	Temperature Coefficient	±0.03%/°C (0~50°C)		
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60 min. 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 Part 15 B		
Others	Net Weight	Driver: about 1.05kg	Driver + Junction Box: about 1.7kg	
	Size	Driver: 230*70*43mm (L*W*H)	Junction Box: 380*77*57mm (L*W*H)	
	Packing	10pcs/CTN		
Notes	1. All parameters if NOT specially mentioned are measured at 120VAC input, rated load and 25°C of ambient temperature. 2. To extend the driver's using life, please reduce the loading at lower input voltage.			

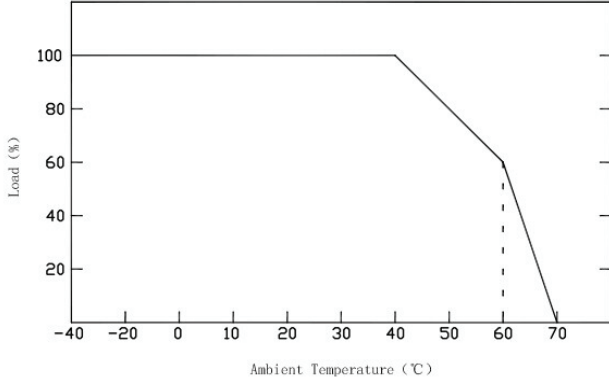
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Specifications & Data



Project/Job	Notes
Date	
Comments	
Prepared by	

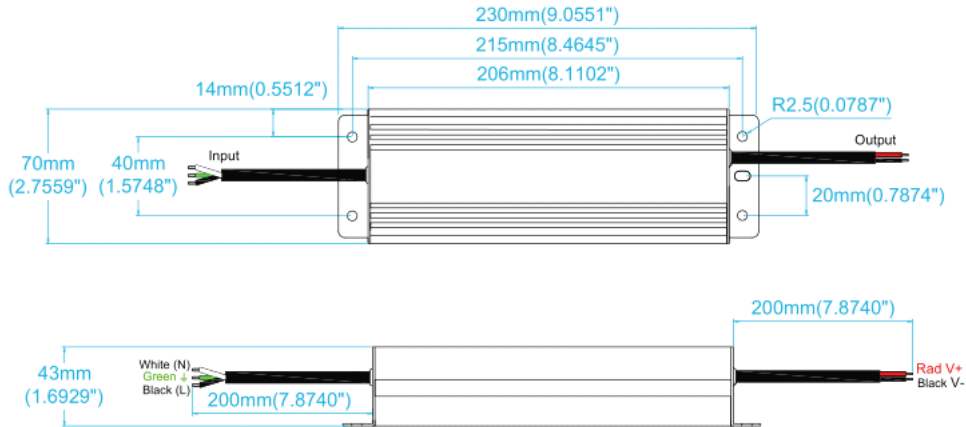
Derating Curve



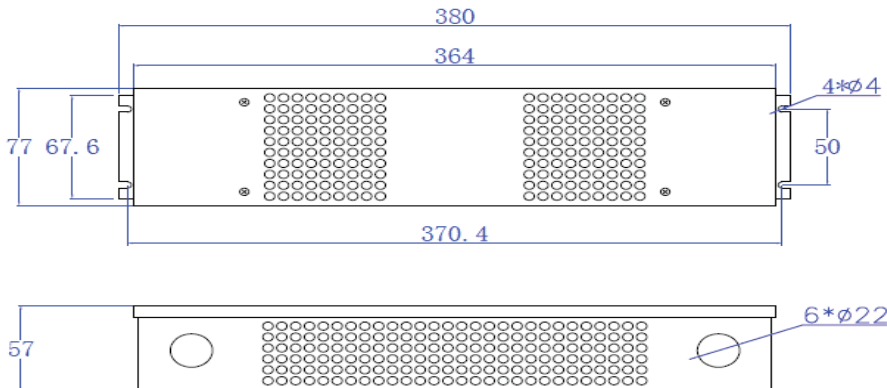
- To extend their life, please refer to the Derating Curve and derate according to the temperature.

Mechanical Specification

Unit: mm
Tolerance: P 0.5-2mm



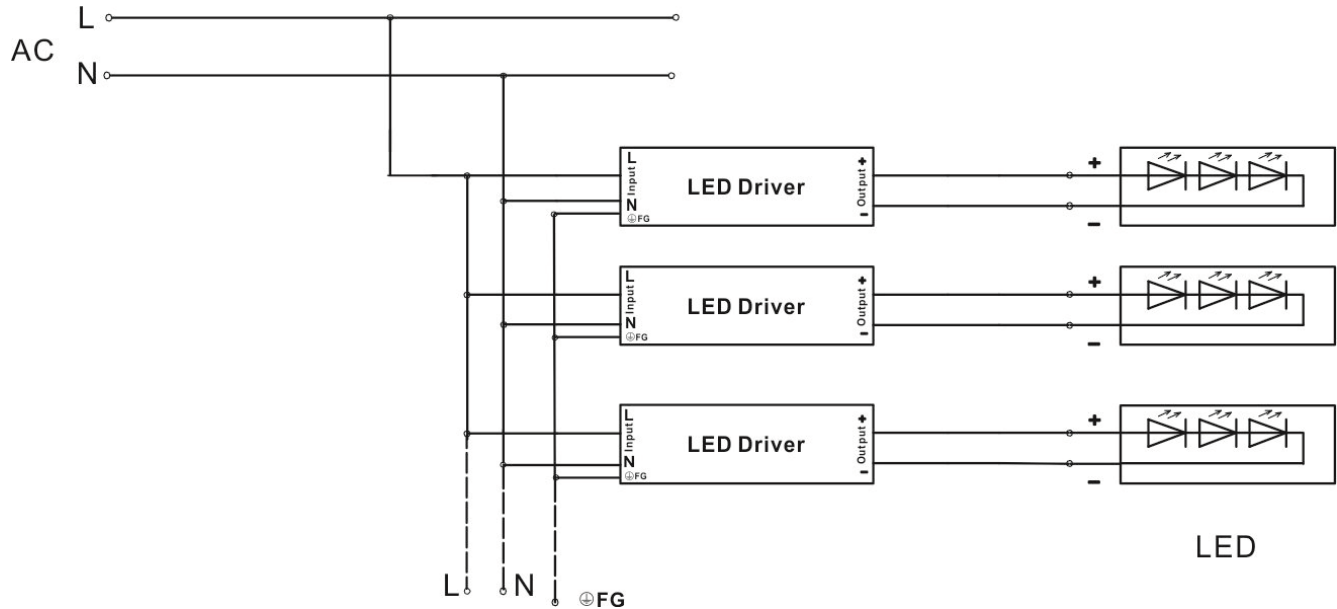
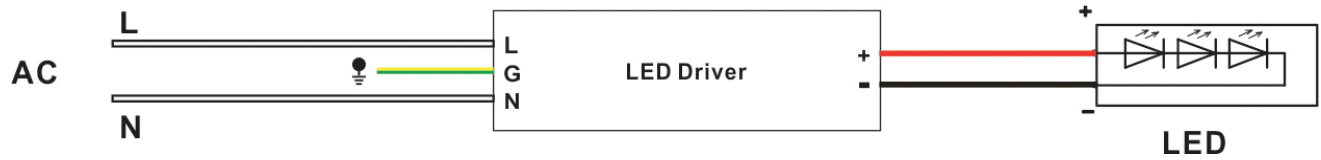
- Input wire 3*18AWG Black and White to be connected to AC L and N, Green wire to ground.
- Output cable 2*16AWG "Red" (+) to LED Positive side (+), "Black" (-) to LED Negative side (-).
- Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.



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Connecting Diagram



Instructions

- This driver should be installed by a qualified person.
- Please make sure this driver is installed with adequate ventilation around it to allow for heat dissipation.
- Ensure that wiring is correct before testing in order to avoid light and power supply damage.
- If driver does not work correctly, please contact CLEANLIFE for support.

Please visit our website or contact us for more information: www.cleanlife.com

CLEANLIFE®

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www.cleanlife.com

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PLEASE NOTE: Product specifications are based off of third party test reports and are subject to change without notice.

