

Non-Dim Constant Voltage LED Driver (Power Supply) 300 Watts

Our range of NDCV Non-Dimmable Constant Voltage bring a new level of reliability to the LED lighting industry. Fanless design with robust metal housed fully listed cULus LED drivers are perfect for powering our range of standalone LED controllers or for directly powering constant voltage LED strips when control is not required.

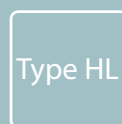
Reliable and robust LED power supply designed for use with all constant voltage LED products or secondary LED controllers. Perfect for on-camera or commercial-grade constant-on use with our FlexLED Tape and any constant voltage LED product. Available in 24VDC and 12VDC. Class P, Type HL and SELV with safety features including short-circuit, overload, over-voltage, over-current, and over-temperature protection. Rated for dry, damp, and wet locations. Safe, powerful, and reliable are the cornerstones of our NDCV line of power supplies from MossLED. Amazing 5 year warranty.

Compatible with the following dimming methods:

Other Features:

Output 300 Watt
Class I
Class P
Type HL
SELV

Please call 1.800.924.1585 or email info@mossled.com to inquire.



TECHNICAL SPECIFICATIONS

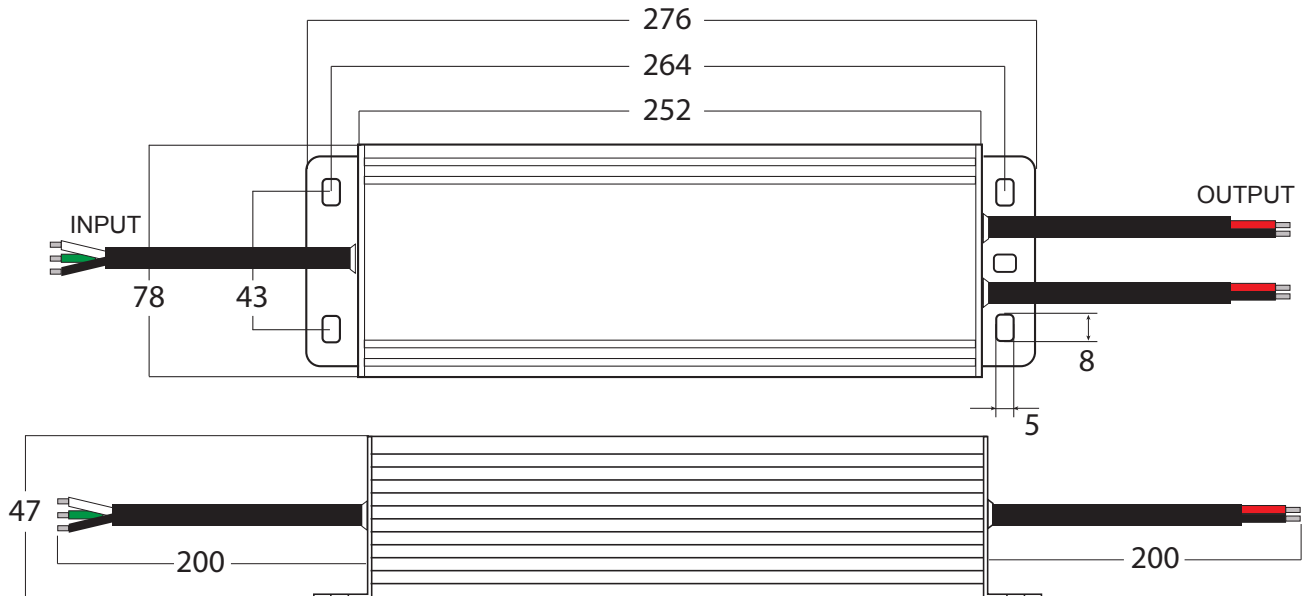
NON-DIMMABLE LED DRIVERS - 300 WATT SPECIFICATION

	MODEL	NDCV-12300-DDW	NDCV-24300-DDW
	CERTIFICATES	UL cULus Class P SELV Type HL, RoHS UL8750+UL1310, CAN/CSA-C22.2 No.250.13 FCC 47 CFR Part 15 ,Subpart B	
OUTPUT	DC VOLTAGE	12V	24V
	VOLTAGE (TOLERANCE, REGULATION)	±0.5V ±0.5%	
	RATED CURRENT	25A	12.5A
	RATED POWER	200W	
	LOAD REGULATION	±2 %	±1 %
INPUT	VOLTAGE RANGE	100 - 277VAC	
	FREQUENCY RANGE	47 - 63Hz	
	POWER FACTOR(TYP.)@ FULL LOAD	0.99@120VAC 0.98@230VAC 0.98@277VAC	0.99@120VAC 0.98@230VAC 0.98@277VAC
	THD(TYP.) @ FULL LOAD	<10%@120VAC <20%@230VAC <20%@277VAC	
	EFFICIENCY(TYP.)@ FULL LOAD	85%@120VAC 89%@ 230VAC 89%@277VAC	88%@120VAC 92%@230VAC 98%@277VAC
	AC CURRENT(MAX.).	3.4A@100VAC	
	INRUSH CURRENT (TYP.)	20A, 50%, 1.9ms@120VAC; 60A,50% 130us@230VAC; 35A,50%,1.9ms@277VAC	
PROTECTION	SHORT CIRCUIT	SHUT DOWN O/P VOLTAGE, RE-POWER ON TO RECOVER AFTER FAULT CONDITION REMOVED	
	OVER LOAD	≤120% HICCUP MODE,RECOVERS AUTOMATICALLY AFTER FAULT CONDITION IS REMOVED	
	OVER TEMPERATURE	100°C ± 10°C SHUT DOWN O/P VOLTAGE, AUTOMATICALLY RECOVER AFTER COOLING	
ENVIRONMENT	WORKING TEMP.	-40°C ~ +60°C (SEE BELOW DERATING CURVE)	
	WORKING HUMIDITY	20 - 90% RELATIVE HUMIDITY, NON-CONDENSING	
	STORAGE TEM., HUMIDITY	-40 ~ +80°C,10 ~ 95% RELATIVE HUMIDITY	
	VIBRATION	10 ~ 500Hz, 5G 10min. / 1 CYCLE, PERIOD FOR 60MIN. EACH ALONG X, Y, Z AXES	
OTHER	NET WEIGHT	1.7Kg	
	DIMENSION	276 X 78 X 47 mm	
	STANDARD PACK	10pcs / box	

1. All parameters not specially mentioned are measured at 120VAC input , rated load and 25° C of ambient temperature.
2. Tolerance: includes set up tolerance, line regulation and load regulation .
3. The power supply is considered as a component that will be operated in combination with the final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturer must re-qualify EMC directive on the complete installation again.

TECHNICAL SPECIFICATIONS

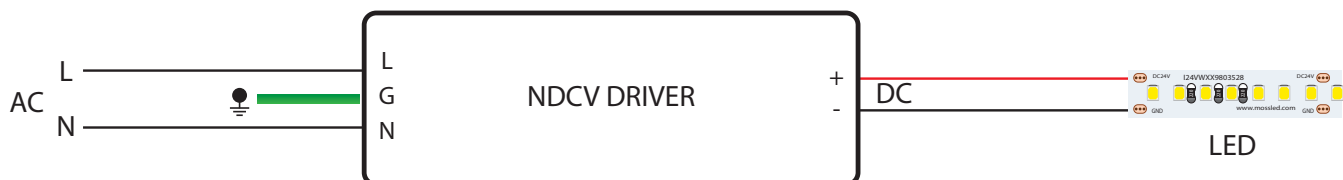
PHYSICAL SPECIFICATIONS



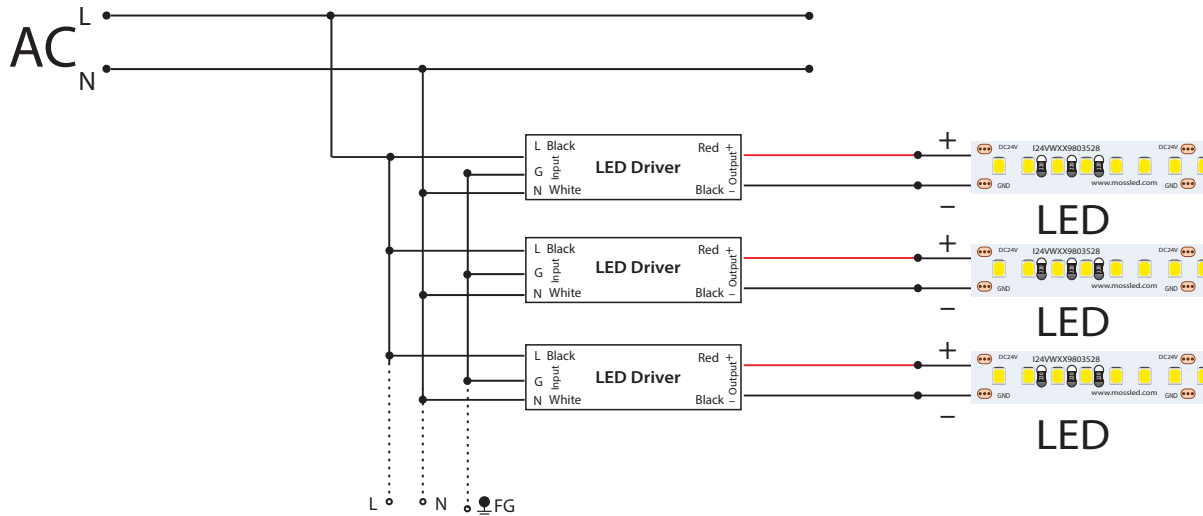
12V Version has 2 X Output Lead Wires
24V Version has 1 X Output Lead Wire

1. Input cable 18AWG, Green cable to (FG) Black Cable to L ,and White Cable to N of Mains AC
2. Output cable 14AWG, Red Cable (+) to LED Positive side, Black Cable (-) to LED Negative (12V Version has 2 X Output Lead Wires due to the large current)
3. Please ensure sure to connect as per the wiring instructions otherwise your product may not function correctly and could be damaged not covered under warranty.
4. Connect all wires together prior to energizing

CONNECTING DIAGRAM

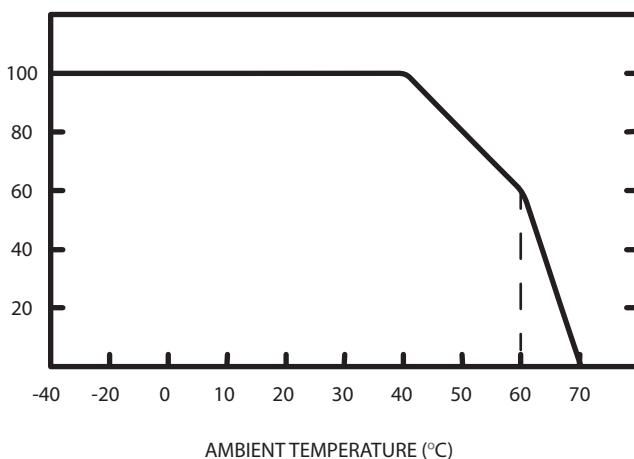


TECHNICAL SPECIFICATIONS



1. This driver should be installed by a qualified and professional electrician;
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before test in order to avoid light and power supply damage.
4. If you have any questions or concerns please contact Moss LED at info@mossled.com

DERATING CURVE



To extend the life of the LED Driver, please refer to the Derating Curve and derate according to the ambient temperature

INSTALLATION NOTES

1. This driver should be installed by qualified and professional person.
2. Keep proper ventilation around the unit and do not stack any objects on it. A 10-15 cm clearance must be kept when the adjacent device is a heat source.
3. Ensure that wiring is correct before testing in order to avoid LED light and/or power supply damage.
4. If you have any issues or concerns please contact Moss LED at info@mossled.com.
5. Before commencing any installation or maintenance work, please de-energize the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
6. Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature and will require a de-rating in output current.
7. Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to its specification.
8. For LED power supplies with waterproof connectors, verify that the linkage between the LED driver unit and the lighting fixture is tight so that water cannot intrude into the system.

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