XDRIVE 100W | Power/Dimmer Combo

NOVA FLEX





- 100W LED power supply + dimmer in one unit
- Fits in standard recessed electrical gang box
- Smooth, flicker-free dimming 1% - 100%
- Single pole preset dimmer with on/off push switch
- Adjustable voltage output dial to address voltage drop
- No derating required when ganging units
- Compatible with all Nova Flex static white and static color LEDs
- Powered by ERP Power™

INCLUDED: *Glossy white face & trim plate, voltage barrier partition, wire nuts and mounting screws*

Product Code: **NF-PS-XDRIVE-100W-24V**

Input*

Voltage Range (Vin)	108 ~ 132 VAC
Frequency Range	47 ~ 63 HZ
Power Factor (PF)	> 0.9
Inrush Current	MEETS NEMA-410 REQUIREMENTS
Leakage Current	< 500 MA
Input Harmonics	Complies with IEC61000-3-2 fo
THD	< 20%
Efficiency	up to 91%
Isolation	Meets UL60950-1 for class II
Standby Power	< 0.5W WITH NO LOAD

Output*

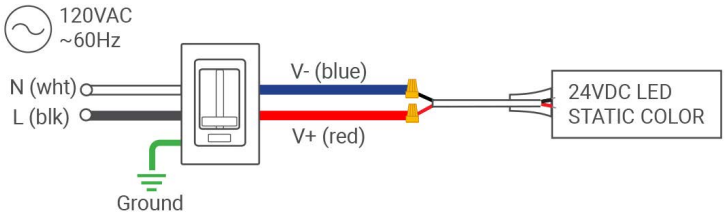
Voltage (Vout)	24VDC
Power Max	100W
Current Max (Output)	4.2A
Voltage Regulation	+ 3%
Voltage Overshoot	< 20%
Ripple Voltage	< 10%
Dimming Range	1 - 100%
Start-up Time	500ms

**All input and output data is based on ambient temperature of 77° F (25° C)*

Environment

Operating Temp	32° F to 104° F (0° to 40° C)
Storage Temp	-40° to 185° F (-40° to 85° C)
Humidity	8 - 90% non-condensing
Cooling	Convection cooled
Acoustic Noise	< 22dBA measured at distance of 1 ft
Shock Protection	per EN60068-2-27
Vibration Protection	per EN60068-2-6 & EN60068-2-64
MTBF	> 200,000 hrs
Lifetime	50,000 hrs

UL Listed: UL8750, UL2108, UL1598 / CSA 250.0-08

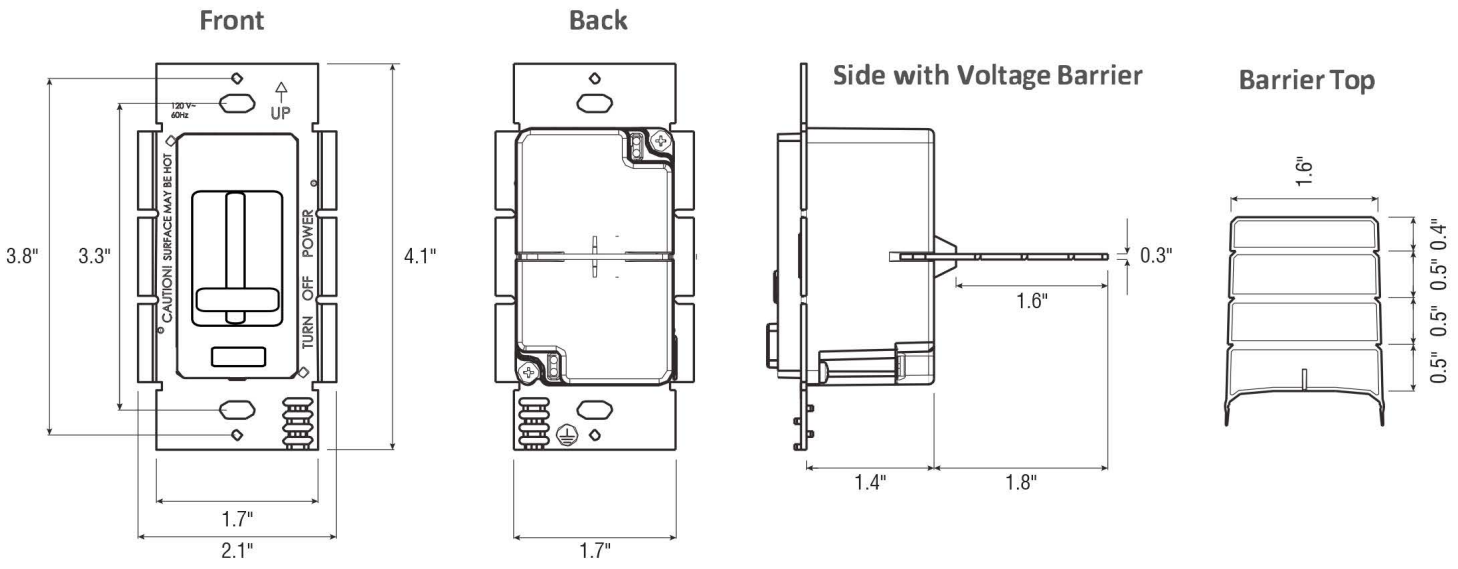


Quick Links | For more information

Product page contains photometric files, installation guide, power and controls compatibility.

Input*

Conducted & Radiated EMI		FCC CFR Title 47 Part 15 Class B at 120VAC	
Harmonic Current Emissions		IEC61000-3-2	For Class C equipment
Voltage Fluctuations & Flicker		IEC61000-3-3	XXX
Immunity Compliance	ESD (Electrostatic Discharge)	IEC61000-4-2	6 kV contact discharge, 8 kV air discharge, level 3
	RF Electromagnetic Field Susceptibility	IEC61000-4-3	3 V/m, 80-1000 MHz, 80% modulated at a distance of 3 meters
	Electrical Fast Transient	IEC61000-4-4	+ 2 kV on AC power port for 1 minute, +1 kV on signal/control lines
	Surge	IEC61000-4-5	+ 1 kV line to line (differential mode)/+ 2 kV line to common mode ground (tested to secondary ground) on AC power port, + 0.5 kV for outdoor cables
	Conducted RF Disturbances	IEC61000-4-6	3V, 0.15-80 MHz, 80% modulated
	Voltage Dips	IEC61000-4-11	>95% dip, 0.5 period; 30% dip, 25 periods; 95% reduction, 250 periods
Transient Protection	Ring Wave		ANSI/IEEE c62.41.1-2002 & c62.41.2-2002 category A, 2.5 kV ring wave
Hi Pot (High Potential) or Dielectric Voltage-Withstand		> 2500 VDC	Insulation between the input (AC line and Neutral) and the output Tested at the RMS voltage equivalent of 1768 VAC



Please note, you can find detailed instructions within each individual box.

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