

OPTOTRONIC® OT 96W Dimmable LED Driver



Item Number	*2743UN (51520)
Type	Constant Voltage
Output Power	96W (Max.)
Output Voltage	24V DC
Input	Universal (120-277V)

Find (NAED) as cross reference for new item number i.e. *12345

Environmental Specifications

Ambient Operating Temperature	-25 to 40 °C
Max. Case Temperature (Tc)	75°C
Storage Temp.	-25 to 50 °C
Max. Relative Humidity (%)	96% non-condensing
Surge Protection (KV)	ANSI C62.41 Cat A (2.5KV)
Vibration Rating	3G
Overvoltage Protection	Yes
Short Circuit Protection	Yes
Over-temperature Protection	Yes
UL Environmental Rating	Wet
UL File Number	E333135
IP Rating	IP64
EMI Compliance	FCC Part 15 Class A

Electrical Specifications

Input

Input Voltage (VAC)	120V-277V (+/- 10%)
Frequency Range (Hz)	50 – 60 Hz (+/- 10%)
Input Current (A)	0.91 @ 120V 0.39 @ 277V
Input Power (W)	111W
THD	< 20%
Power Factor	> 0.95
Inrush Current (Apk)	< 55A
Line Regulation	< 5%
Stand-by Power (W)	< 1.5W

Output

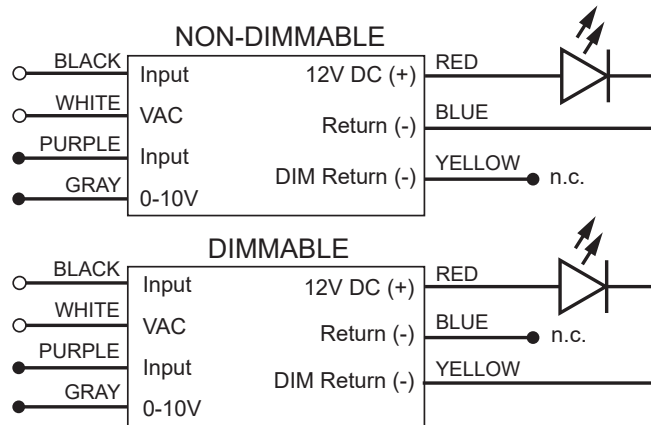
Output Voltage (VDC)	12V (+/- 5%)
Output Current (A)	0.1 – 4.0A
Output Ripple (V)	1V
Efficiency	>85% (Typical)
Load Regulation	<5%

Dimming

Dimming Control	0 – 10V
Dimming Range	10 – 100%
Dimming Type	PWM
Frequency	250Hz
Dimming Input Isolation	2.5KV



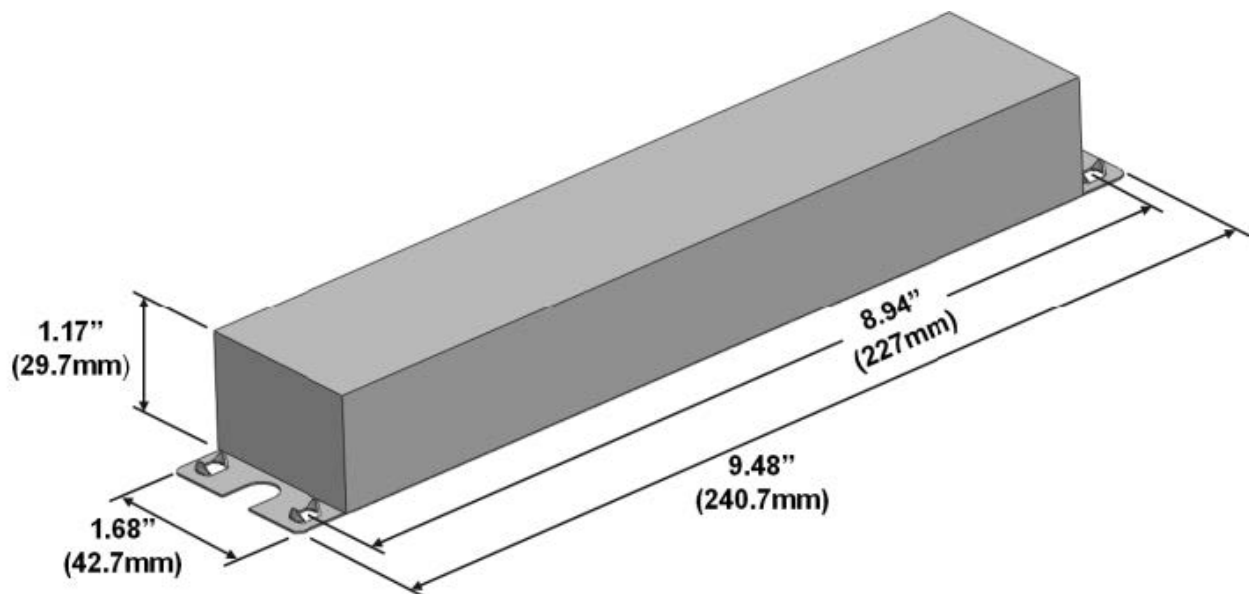
Wiring Diagram



Note: Mounting distance for 18 AWG wire is 15 feet.

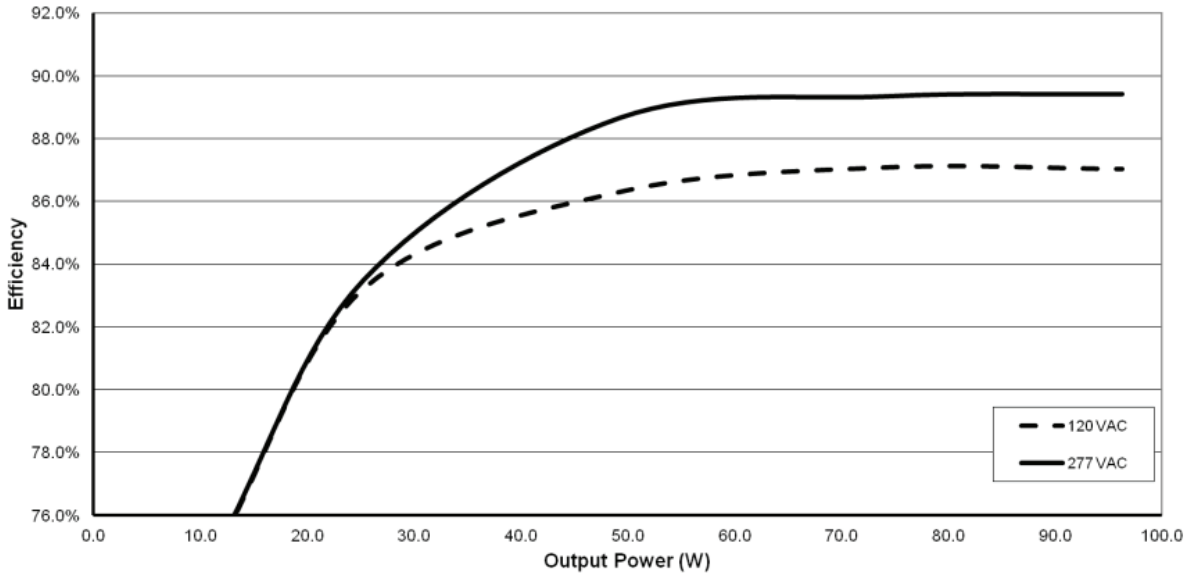
Wiring	Leads Only
Wire Gauge	18AWG
Input Wire	6" (black and white)
Output	6" (red, blue and yellow)
Dimming Input	6" (purple and gray)

Mechanical Diagram

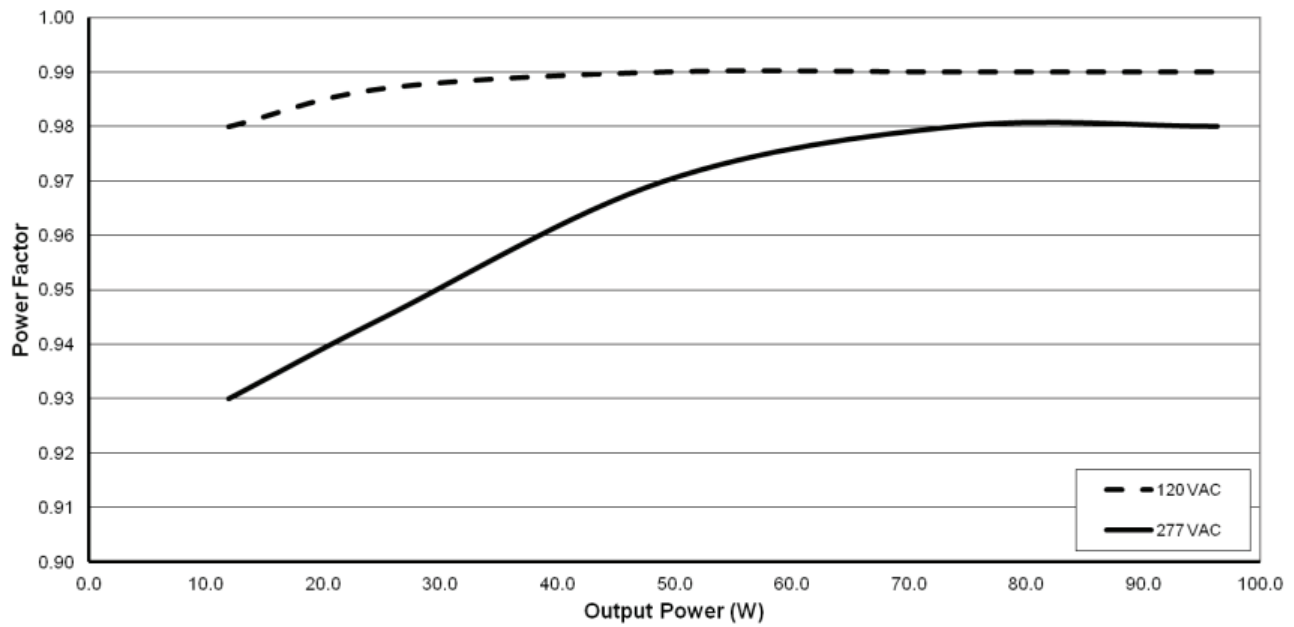


Length	9.48" (240.7mm)
Width	1.68" (42.7mm)
Height	1.17" (29.7mm)

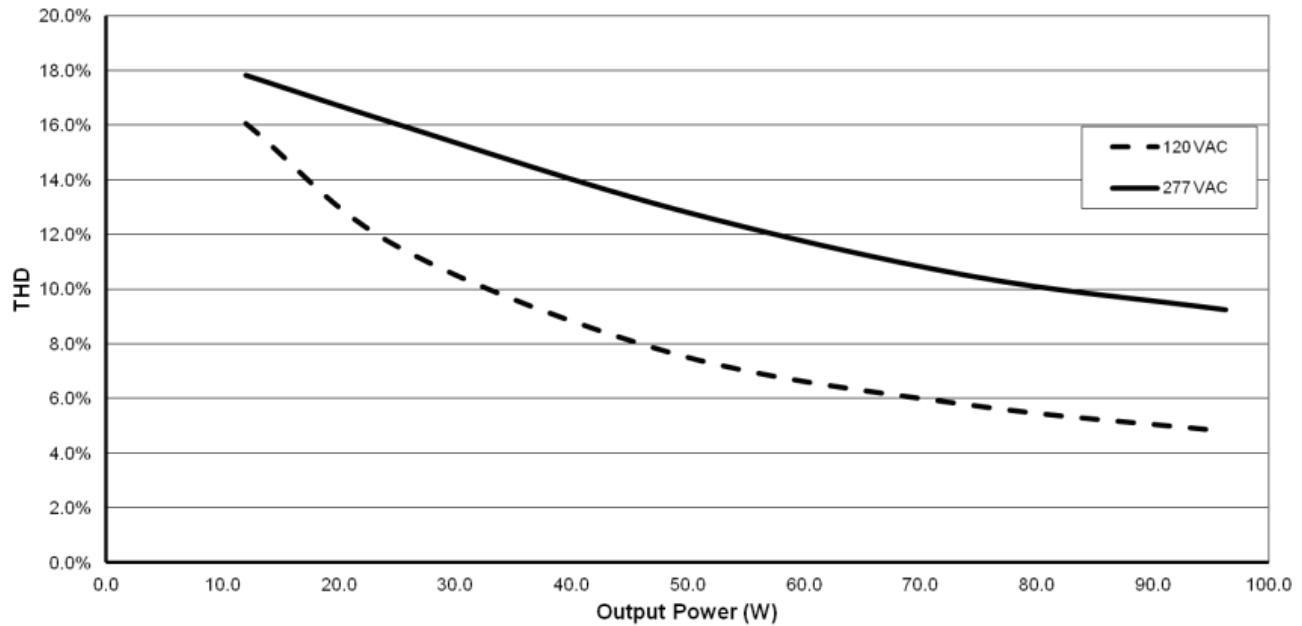
Typical Efficiency



Typical Power Factor



Typical THD



Warranty

OPTOTRONIC® by eldoLED Products are covered by a 5-year limited warranty.
 Complete warranty terms can be found at: www.eldoled.com/legal/terms-and-conditions

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 Specifications subject to change without notice. Actual performance may differ as a result of end-user environment and application.