



### Electrical Specifications

#### General Information

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	Damp
IP Rating	IP64
EMI Compliance	FCC Part 15 Class A

#### 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 (A <sub>pk</sub> )	< 55A
Line Regulation	< 5%
Stand-by Power (W)	< 1.5W

#### Output

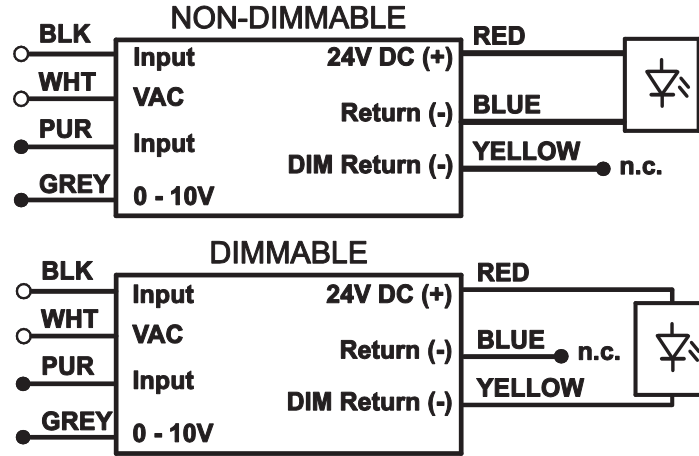
Output Voltage (VDC)	24V (+/- 5%)
Output Current (A)	0.1 - 4.0A
Output Ripple (V)	1V
Efficiency	>85% (Typical)
Load Regulation	<5%

#### Dimming

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

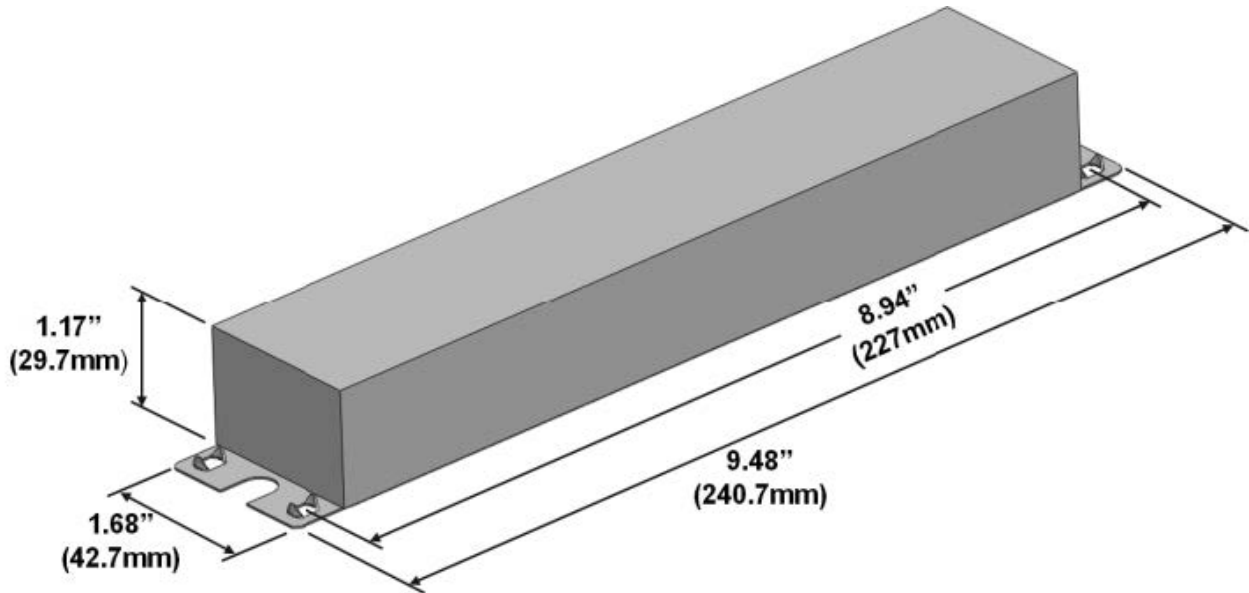


## Wiring Diagram



**Note:** Mounting distance for 18 AWG wire is 15 feet.  
For additional information on further distances and EMI compliance reference application note LED126.

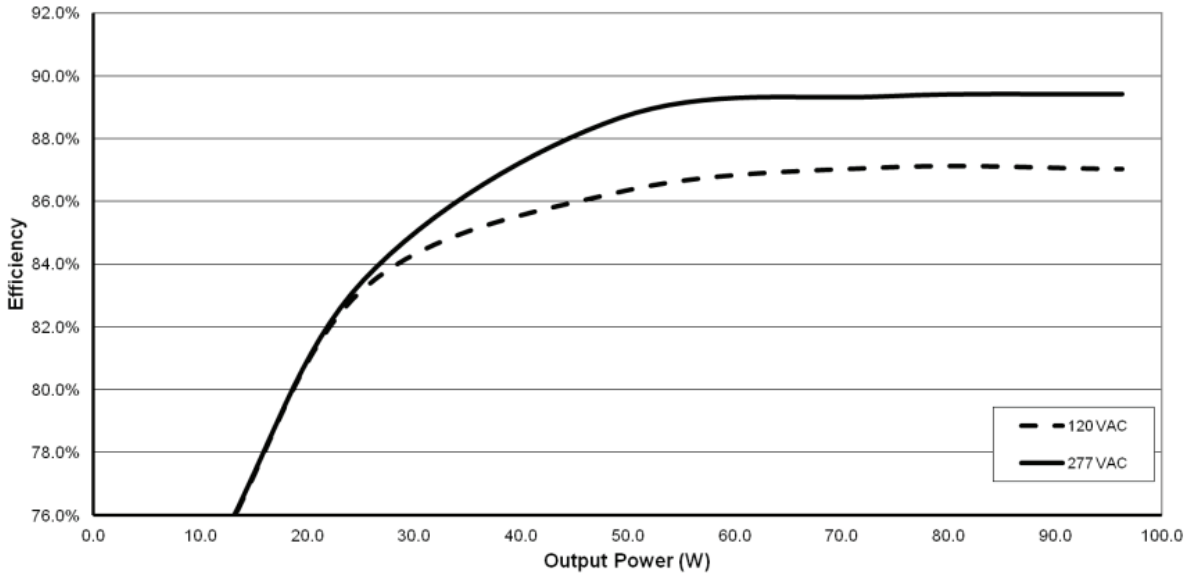
## Mechanical Diagram



<b>Wiring</b>	Leads Only
<b>Wire Gauge</b>	18AWG
<b>Input Wire</b>	6" (black & White)
<b>Output</b>	6" (red, blue & yellow)
<b>Dimming Input</b>	6" (purple & gray)

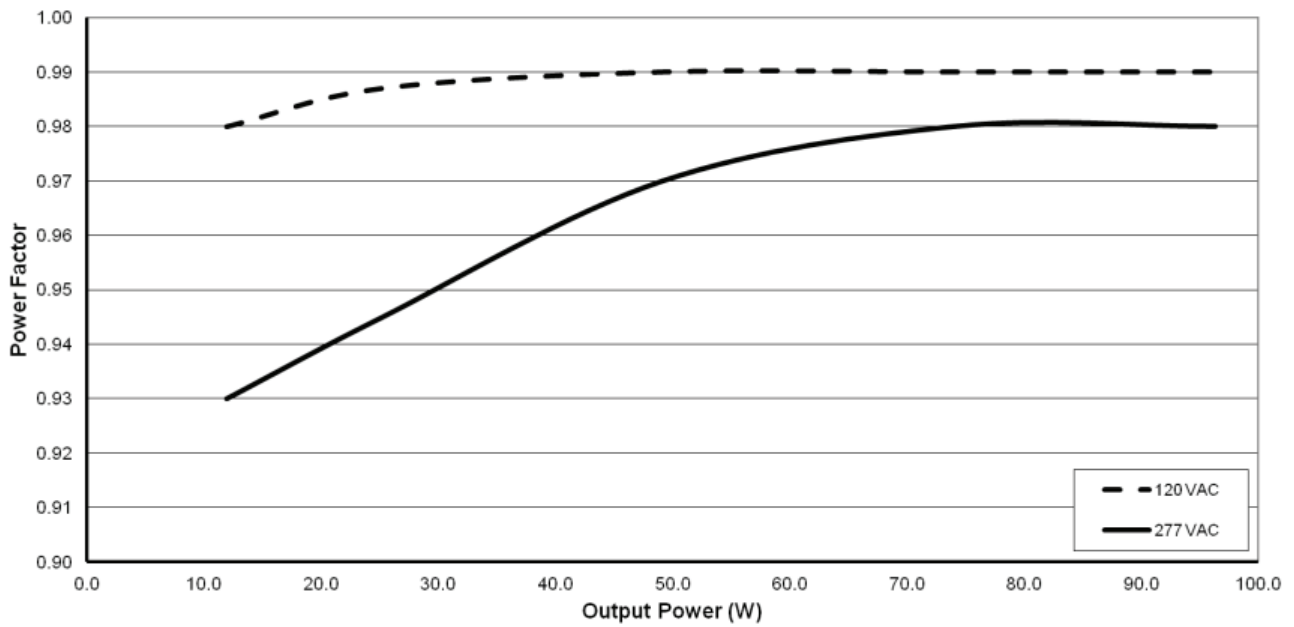
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## Typical Efficiency



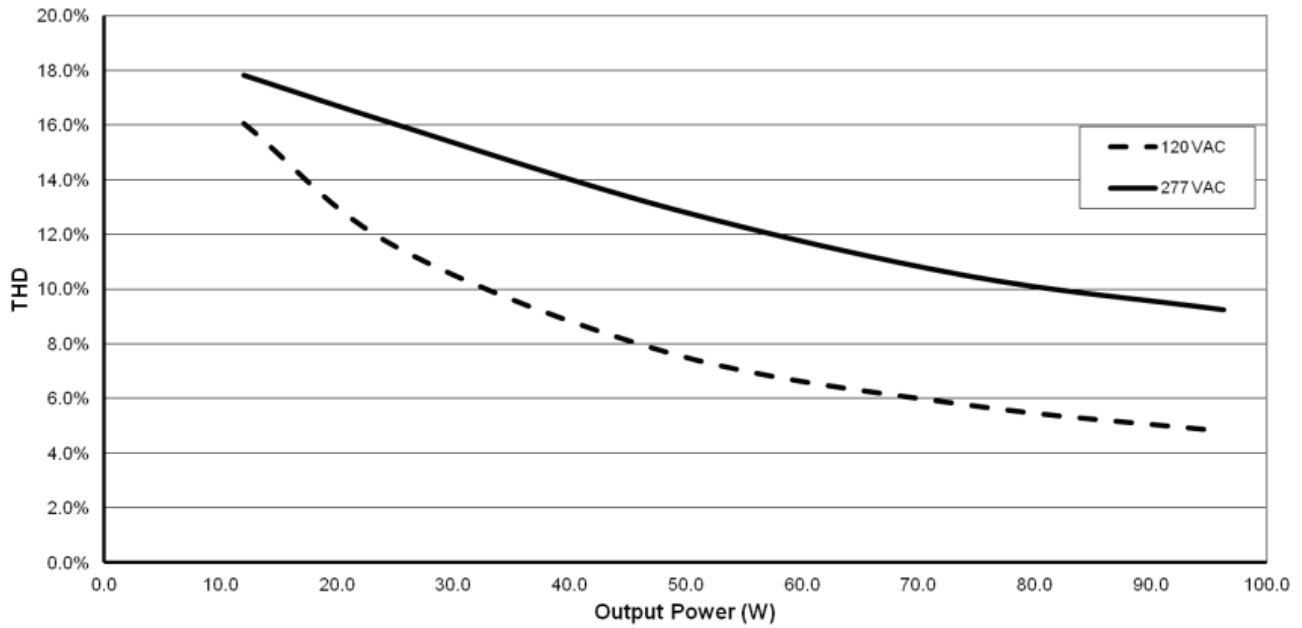
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## Typical Power Factor



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## Typical THD



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## Warranty

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