



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 _{pk}) | < 55A |
| Line Regulation | < 5% |
| Stand-by Power (W) | < 1.5W |

Output

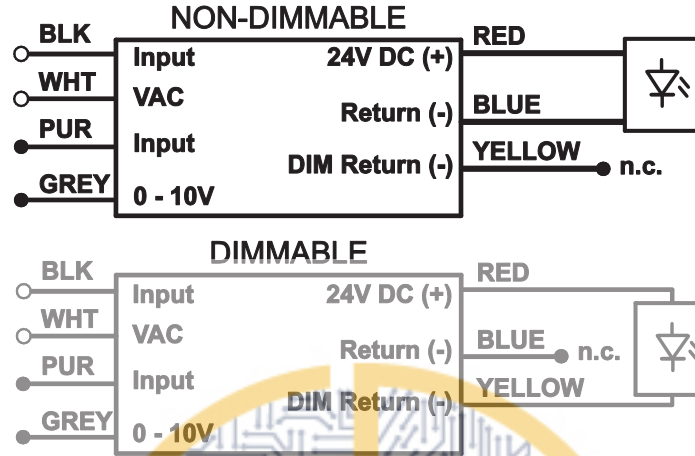
| | |
|----------------------|----------------|
| Output Voltage (VDC) | 24V (+/- 5%) |
| Output Current (A) | 0.1 - 4.0A |
| Output Ripple (V) | 1V |
| Efficiency | >85% (Typical) |
| Load Regulation | <5% |

Dimming

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

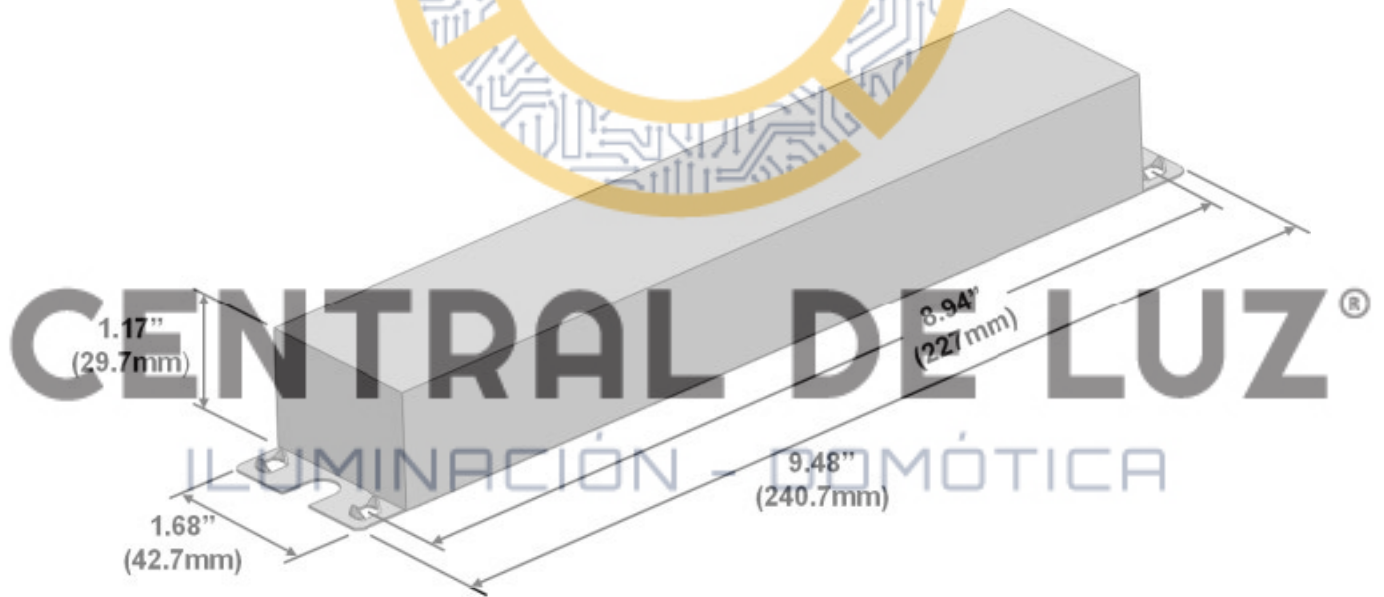


Wiring Diagram



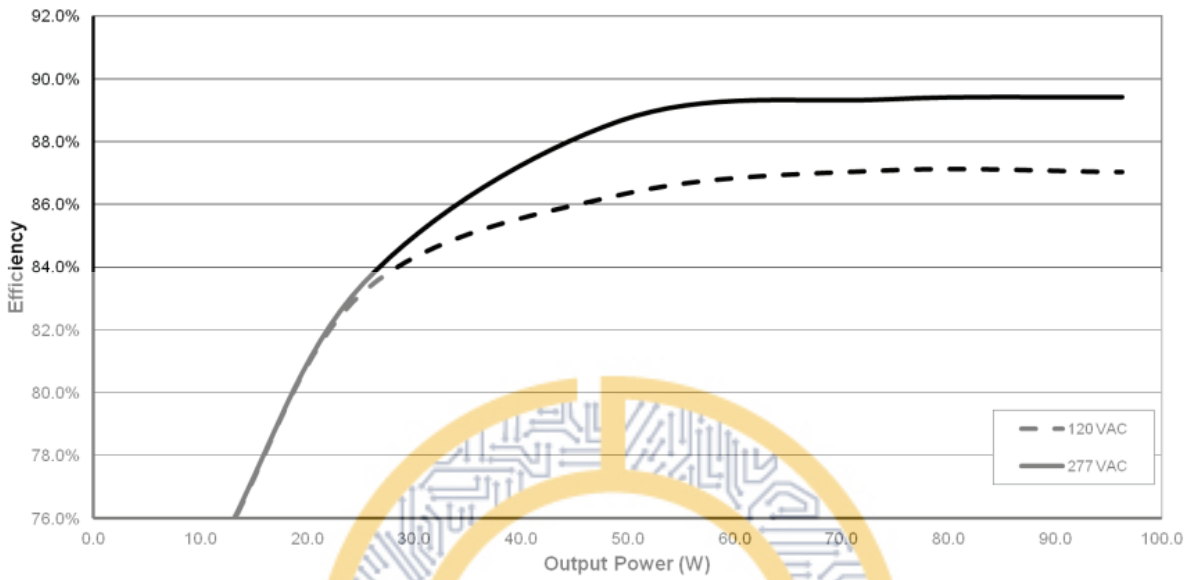
Note: Mounting distance for 18 AWG wire is 15 feet.
For additional information on further distances and EMI compliance reference application note LED126.

Mechanical Diagram

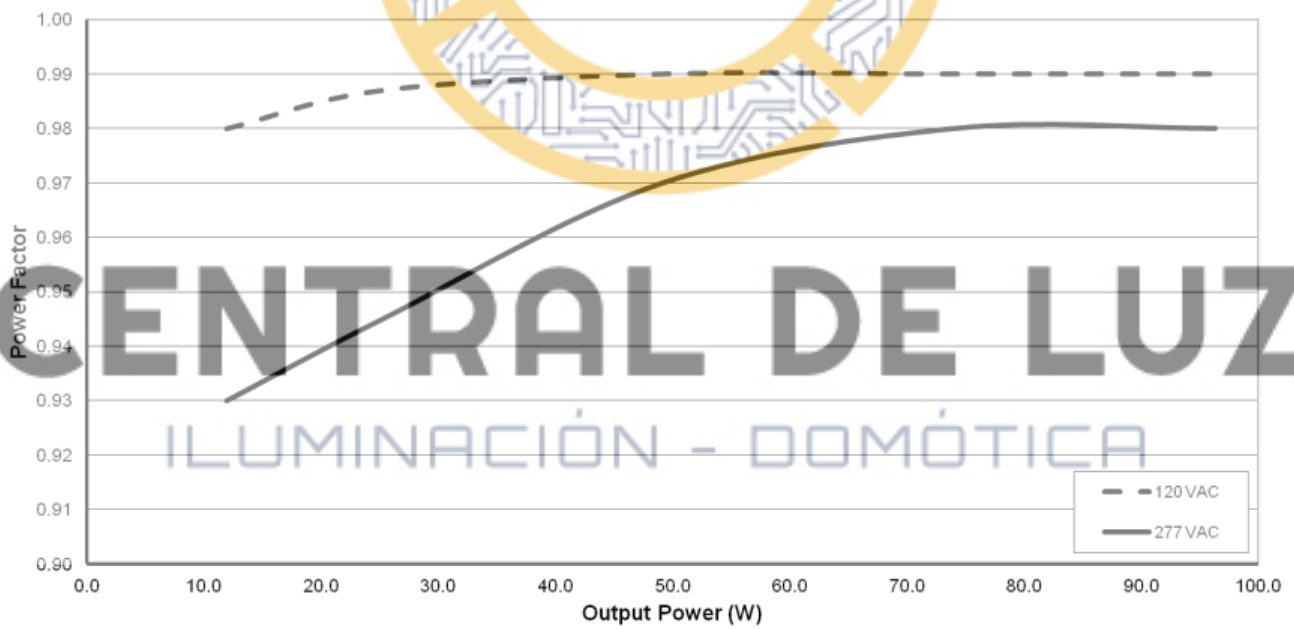


| | |
|----------------------|-------------------------|
| Wiring | Leads Only |
| Wire Gauge | 18AWG |
| Input Wire | 6" (black & White) |
| Output | 6" (red, blue & yellow) |
| Dimming Input | 6" (purple & gray) |

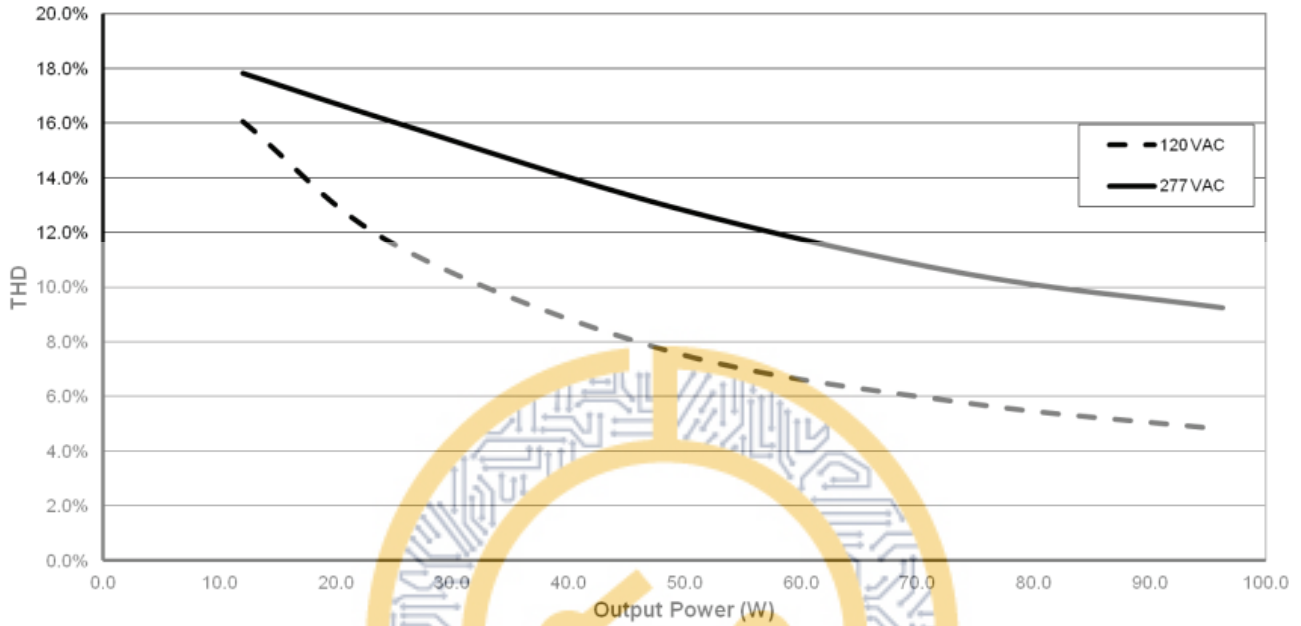
Typical Efficiency



Typical Power Factor



Typical THD



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

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