

Light is OSRAM

OPTOTRONIC<sup>®</sup> Power Supply

OT96W/24V/UNV – Technical Specifications



## General Information

Item Number	51522
Type	Constant Voltage
Output Power	96W (max.)
Output Voltage	24V DC
Input	Universal (120-277V)

## 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 @ Full Load	< 20%	
Power Factor	> 0.95	
Inrush Current (A <sub>pk</sub> )	< 55A	
Line Regulation	< 5%	
Stand-by Power	< 1.5W	

## Output

Output Voltage (VDC)	24V (+/-5%)
Output Current (A)	0.1 – 4.0A
Output Ripple (V)	1V
Efficiency	40W
LED Power-up Time	> 85% (Typical)
Load Regulation	< 5%

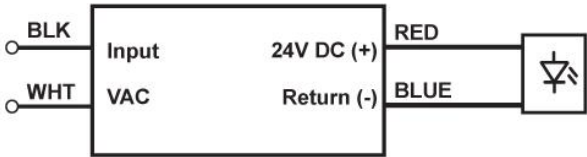
## Environmental Specifications

Ambient Operating Temperature	-25 °C to 40 °C
Max. Case Temperature T <sub>c</sub>	75°C
Storage Temperature	-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
IP Rating	IP64
EMI Compliance	FCC Part 15 Class A



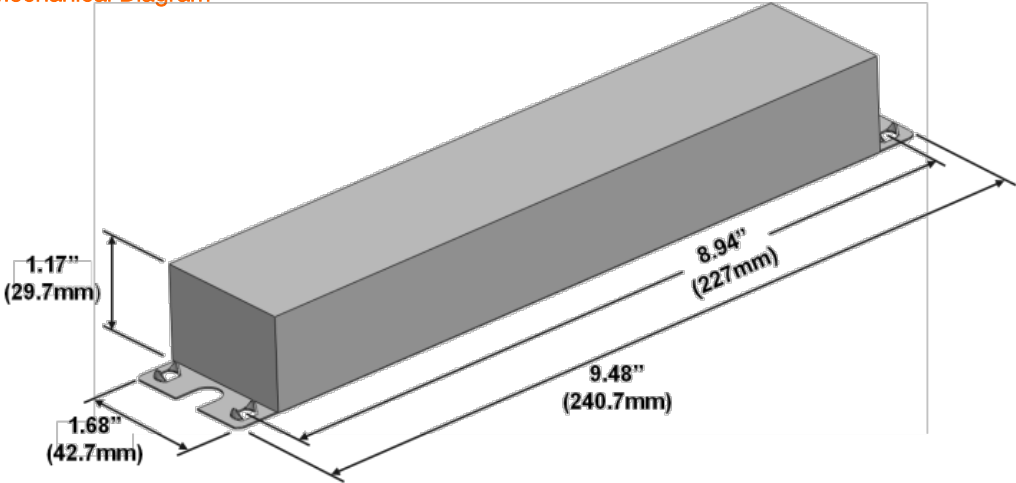
# OPTOTRONIC<sup>®</sup>P Power Supply

## Wiring Diagram



**Note 1:** Mounting distance for 18 AWG wire is 15 feet. For additional information on further distances and EMI compliance reference application note LED126.

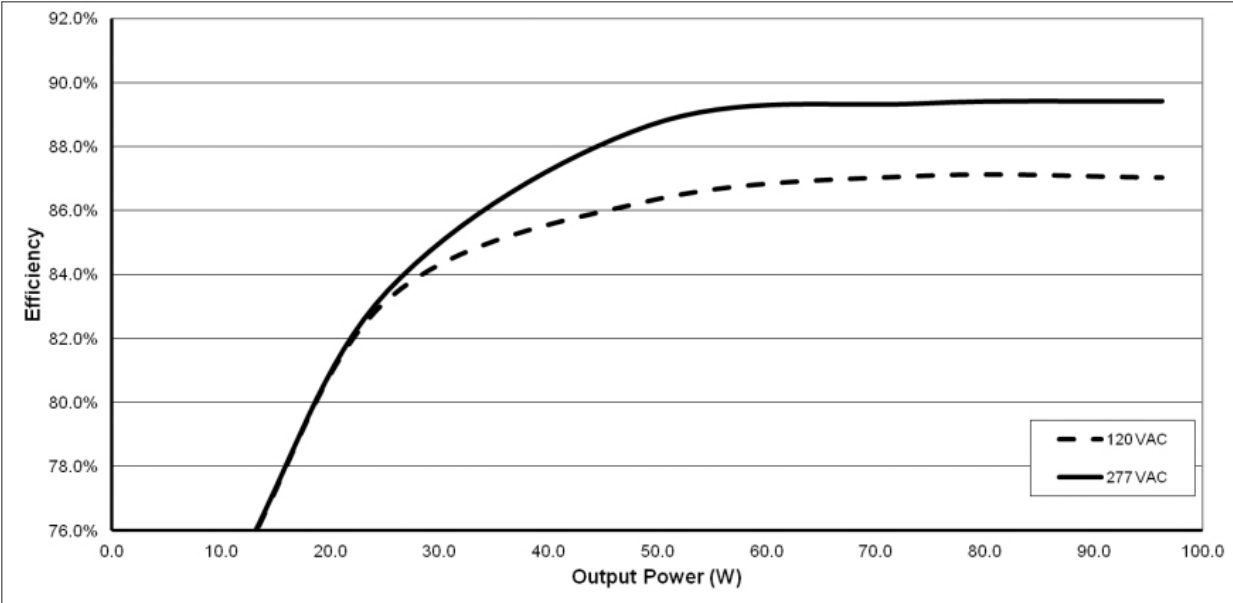
## Mechanical Diagram



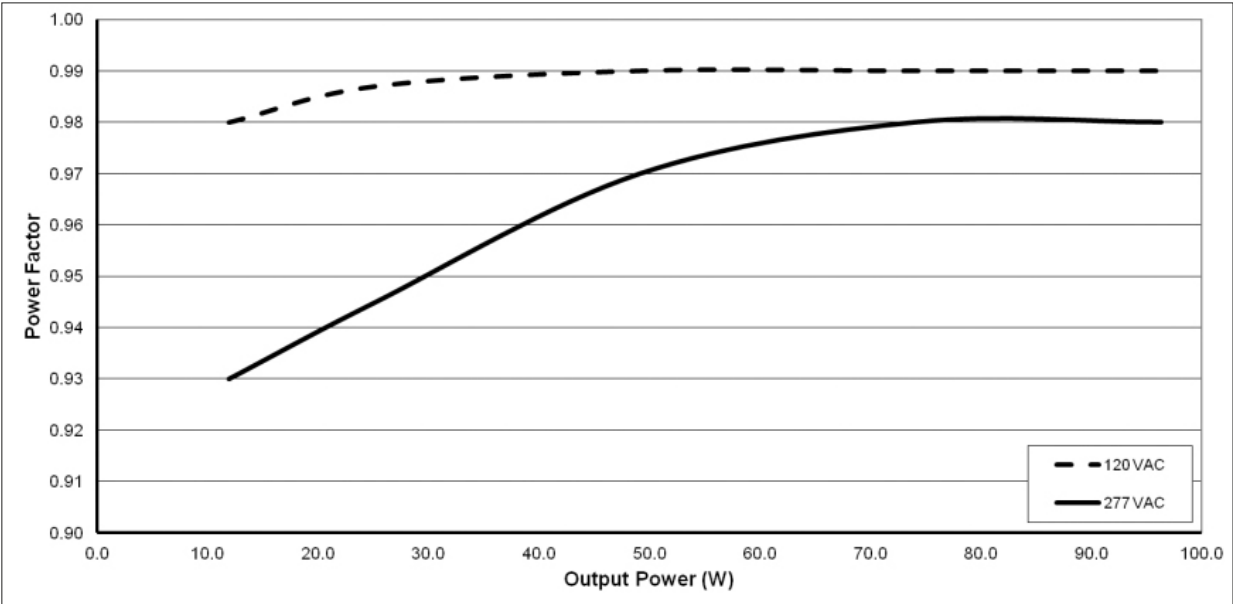
## Mechanical Specifications

Length	9.48" (240.7mm)
Width	1.68" (42.7mm)
Height	1.17" (29.7mm)
Wiring	Leads Only
Wire Gauge	18AWG
Input Wire	6" (Black & white)
Output	6"

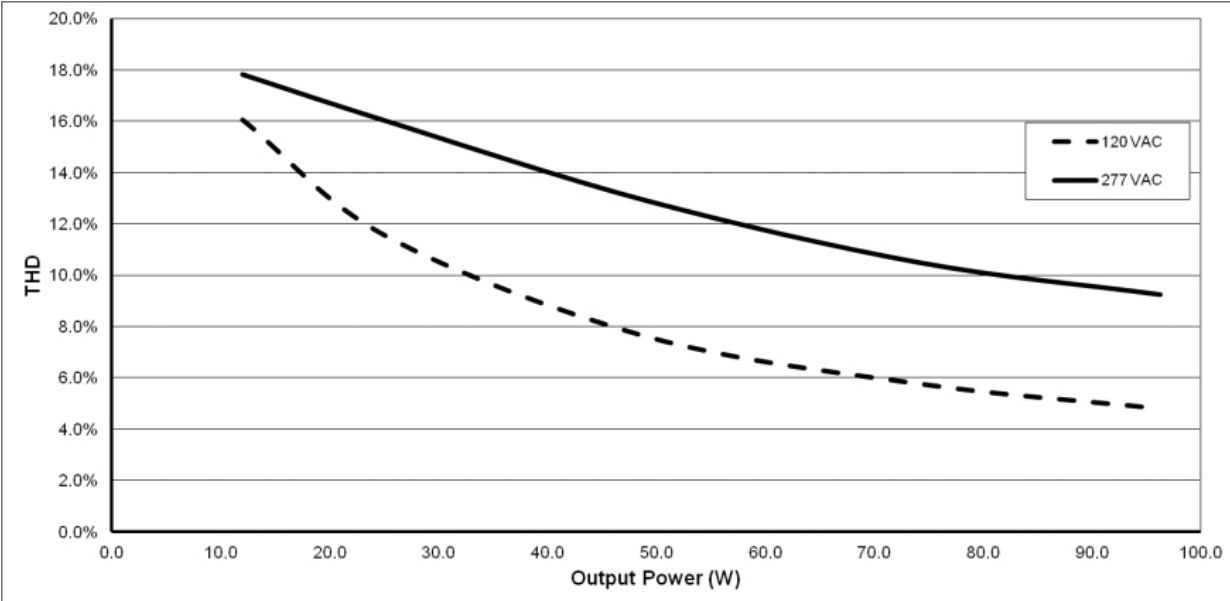
Typical Efficiency



Typical Power Factor



Typical THD



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### Warranty

OPTOTRONIC<sup>®</sup> products are covered by our LED Module, OPTOTRONIC Power Supply or Control Warranty. For additional details, refer to the latest version of the warranty available at [www.osram.us/warranty](http://www.osram.us/warranty)