

# OPTOTRONIC® Power Supply OT96W/24V/UNV



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

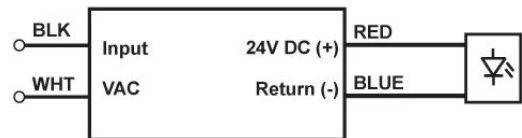
### Output

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

## ENVIRONMENTAL SPECIFICATIONS

Ambient Operating Temp	-25 to 40 °C
Max. Case Temp. 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

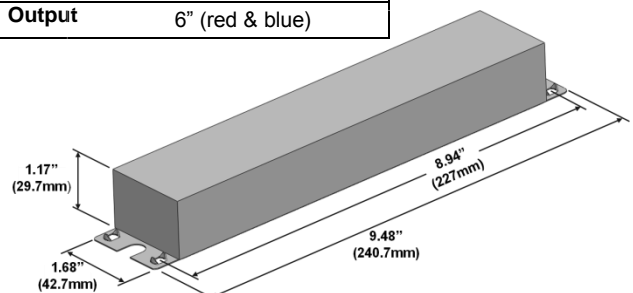
## WIRING DIAGRAM



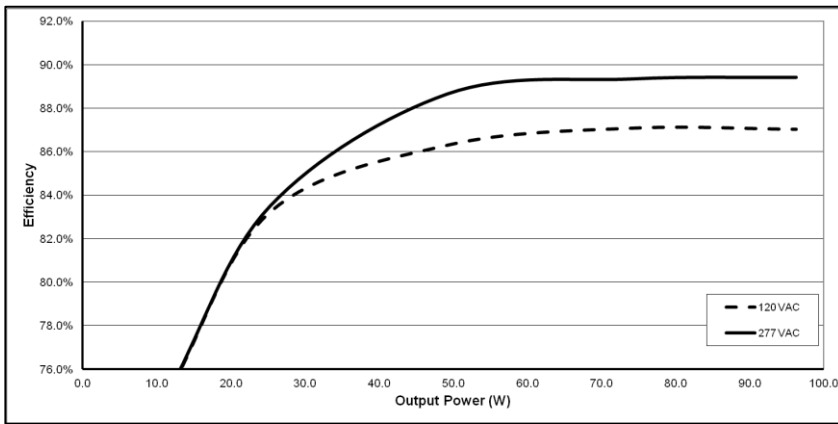
Note: Mounting distance for 18 AWG wire is 15 feet. For additional information on further distances and EMI compliance reference application note LED126.

## MECHANICAL DIAGRAM

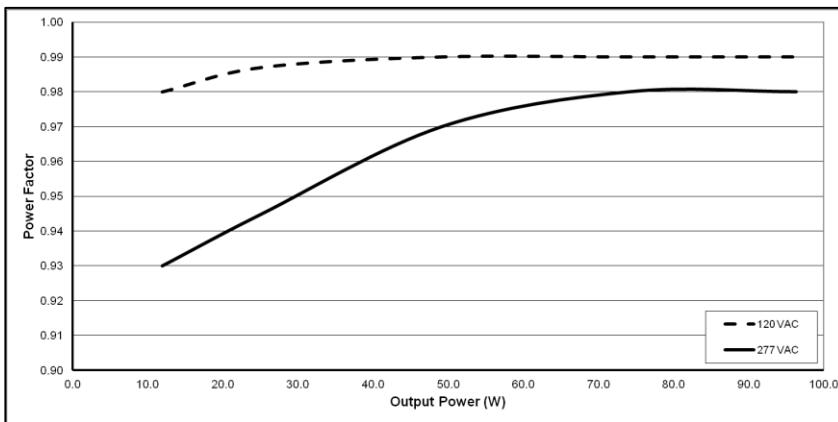
Wiring	Leads Only
Wire Gauge	18AWG
Input Wire	6" (black & White)
Output	6" (red & blue)



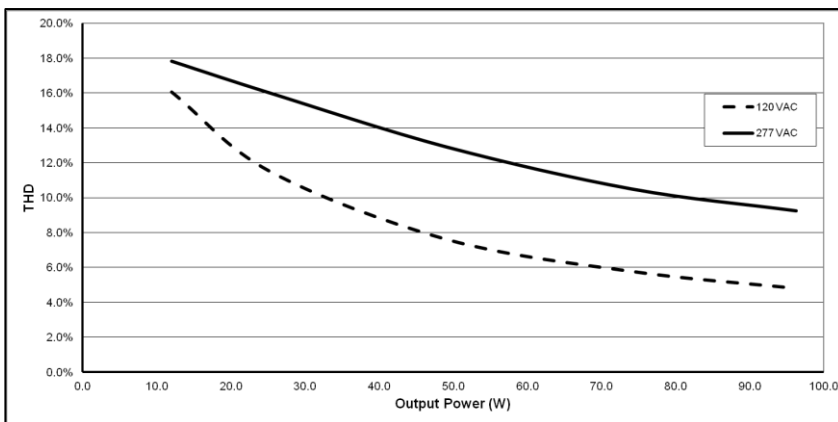
## TYPICAL EFFICIENCY



## TYPICAL POWER FACTOR



## TYPICAL THD



## WARRANTY

OPTOTRONIC® 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.sylvania.com](http://www.sylvania.com).

**United States**  
**OSRAM SYLVANIA**  
 100 Endicott Street  
 Danvers, MA 01923  
**Trade**

Phone: 1-800-255-5042  
 Fax: 1-800-255-5043

**National Accounts**  
 Phone: 1-800-562-4671  
 Fax: 1-800-562-4674

**OEM/Special Markets**  
 Phone: 1-800-762-7191  
 Fax: 1-800-762-7192

**Display Optic**  
 Phone: 1-888-677-2627  
 Fax: 1-800-762-7192

**SYLVANIA Lighting Service**  
 Phone: 1-800-323-0572  
 Fax: 1-800-537-0784

**Canada**  
**OSRAM SYLVANIA LTD./LTÉE**  
 2001 Drew Road  
 Mississauga, ON L5S 1S4  
**Trade**

Phone: 1-800-263-2852  
 Fax: 1-800-667-6772

**OEM/Special Markets**  
 Phone: 1-800-265-2852  
 Fax: 1-800-667-6772

**SYLVANIA Lighting Service**  
 Phone: 1-800-663-4268  
 Fax: 1-866-239-1278

**Mexico**  
**OSRAM Mexico**  
 Headquarters  
 Tultitlan/Edo de Mexico  
 011-52-55-58-99-18-50

SYLVANIA and SEE THE WORLD IN A NEW LIGHT are registered trademarks of OSRAM SYLVANIA Inc.  
 OSRAM and OPTOTRONIC are registered trademarks of OSRAM AG.  
 Specifications subject to change without notice  
 1-800-LIGHTBULB (1-800-544-4828)

© 2012 OSRAM SYLVANIA Inc. 5/12

OT51622R1