

www.sylvania.com/OPTOTRONIC

OPTOTRONIC® Power Supply OT96W/24V/UNV/DIM



GENERAL INFORMATION

Item Number	51520
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 _{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%

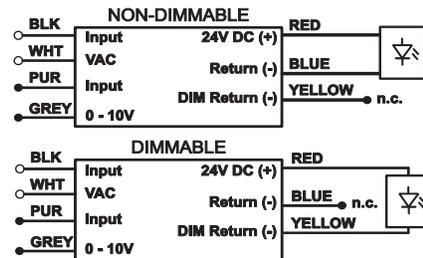
DIMMING

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

ENVIRONMENTAL SPECIFICATIONS

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

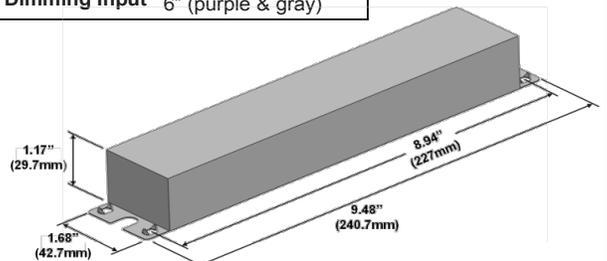
WIRING DIAGRAM



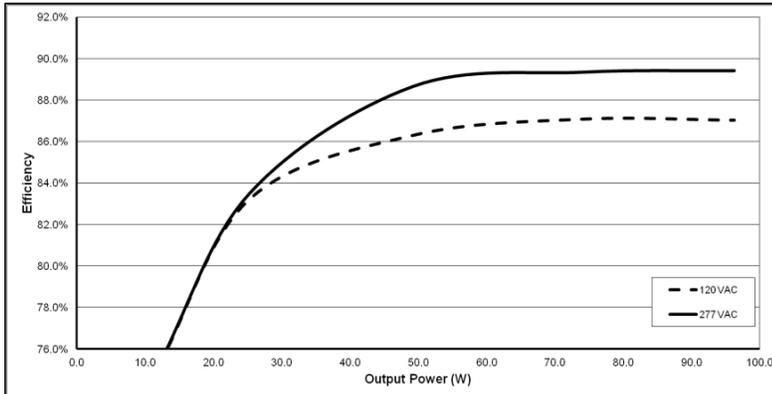
Note: Mounting distance for 18 AWG wire is 15 feet. For additional information on further distances and EMI compliance reference application note LED126.

MECHANICAL DIAGRAM

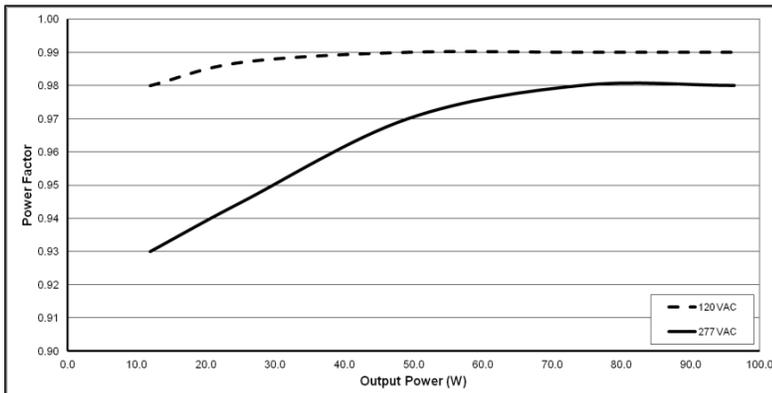
Wiring	Leads Only
Wire Gauge	18AWG
Input Wire	6" (black & White)
Output	6" (red, blue & yellow)
Dimming Input	6" (purple & gray)



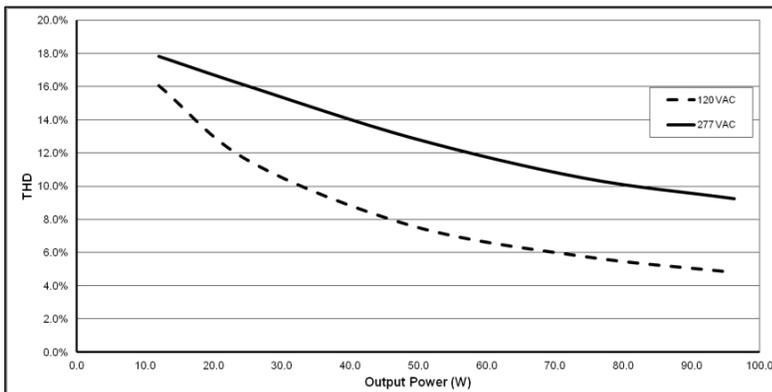
TYPICAL EFFICIENCY



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.

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