

OPTOTRONIC® Power Supply

OT60W/12V/UNV/DIM



GENERAL INFORMATION

Item Number	51633
Type	Constant Voltage
Output Power	60W (Max.)
Output Voltage	12V DC
Input	Universal (120-277V)

ELECTRICAL SPECIFICATIONS

Input	
Input Voltage (VAC)	120V-277V (+/- 10%)
Frequency Range (Hz)	50 – 60 Hz (+/- 10%)
Input Current (A)	0.60 @ 120V 0.26 @ 277V
Input Power (W)	71W
THD	< 20%
Power Factor	> 0.95
Inrush Current (A _{pk})	< 55A
Line Regulation	< 5%
Stand-by Power (W)	< 1.5W
Output	
Output Voltage (VDC)	12V (+/- 5%)
Output Current (A)	0.1 – 5.0A
Output Ripple (V)	1V
Efficiency	>85% (Typical)
Load Regulation	<5%

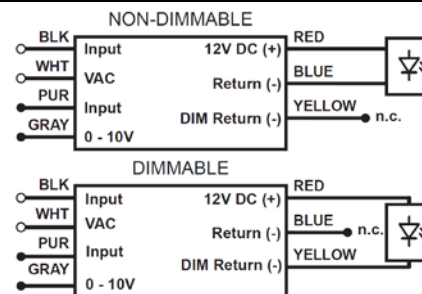
DIMMING

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 50 °C
Max. Case Temp. T _c	80°C
Storage Temp.	-25 to 60 °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

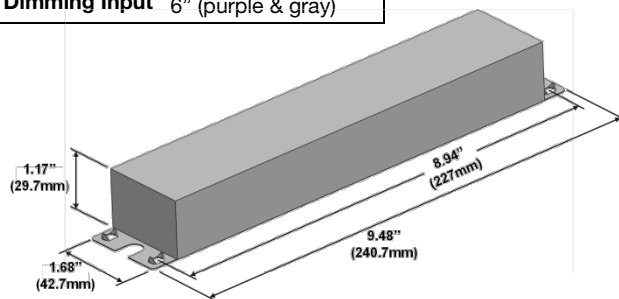
WIRING DIAGRAM



Note: For remote mounting distance limitations and EMI compliance requirements 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)



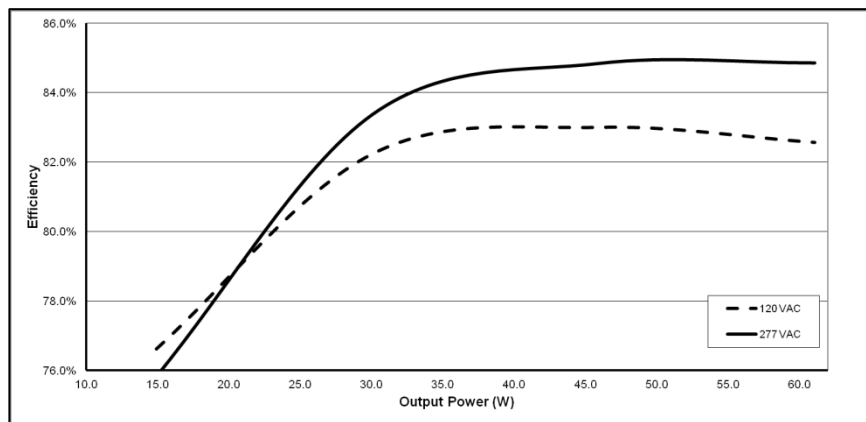
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SEE THE WORLD IN A NEW LIGHT

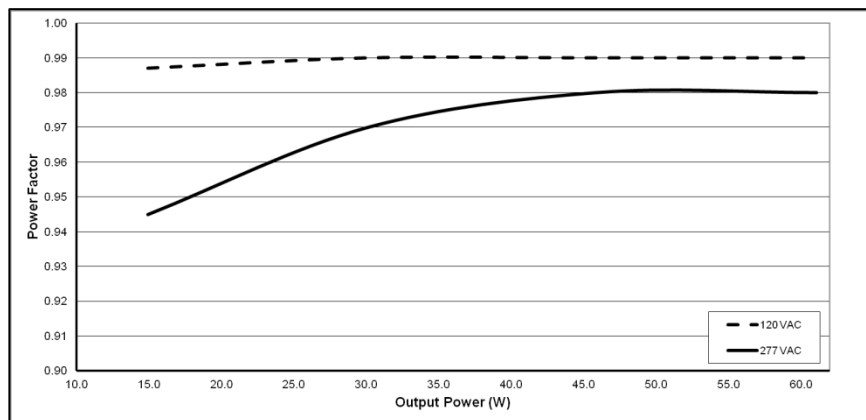
SYLVANIA



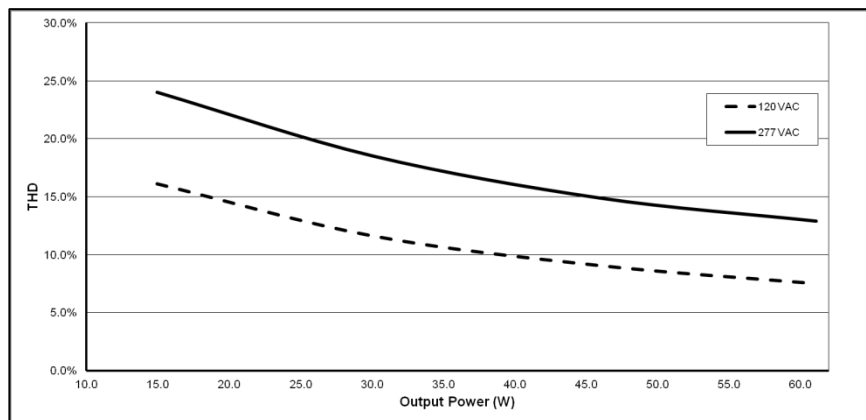
TYPICAL EFFICIENCY



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.

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

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