

Specification Data

Fixture Description:

Type

Project/Job:

SYLVANIA lamp:

SYLVANIA ballast:

Notes:

Ordering Information

Item Number	Ordering Abbreviation	Nominal Input Voltage (V)	Nominal Input Current (A)	Power Factor	Nominal Input Power (W)	Output Voltage (VDC)*	Output Power Range (W)	Max. Line Ripple (V)	UL/ETL File #	Location Rating
51622	OT17W/24V/UNV*	120 277	0.19 0.10	0.92	21	24.0	0.8-17	±1.0V	E220096	Damp
51512	OT20W/24V/120-240V/SQ	120 240	0.38 0.19	0.5	23	24.0	0.9-20	±0.2V	E258264	Dry
51521	OT30/120/24CORD	120	0.63	0.5	38	24.0	1-30	±1.5V	3137489	Dry
51598	OT50W/24V/120V/LP	120	0.47	0.99	56	24.0	0.9-50	±0.2V	E248522	Dry
51514 ³	OT75W/24V/UNV	120 277	0.76 0.33	0.99	90	24.0	0.9-75	±0.2V	E258264	Damp
51522 ⁴	OT96W/24V/UNV	120 277	0.97 0.39	0.9	107	24.0	1-96	±1.0V	E320395	Damp
51626	OT96W/24V/UNV/JBX	120 277	0.91 0.39	0.99	108	24.0	0.8-96	±1.0V	E320395 UL Listed	Wet ²
51627	OT240W/3X24V/120-240V/JBX	120 240	2.39 1.19	0.99	285	24.0	0.8-240	±1.0V	E320395 UL Listed	Wet ²

*7W is the minimum output power required when operating at the 277V input voltage.

Dimmable Power Supply

Item Number	Ordering Abbreviation	Nominal Input Voltage (V)	Nominal Input Current (A)	Power Factor	Nominal Input Power (W)	Output Voltage Range (VDC)*	Output Power Range (W)	Max. Line Ripple (V)	Dimming Mode	Dimming Control	Dimming Range	UL File #	Location Rating
51520	OT96W/24V/UNV/DIM	120 277	0.97 0.39	0.9	107	24.0	1-96	±1.0V	PWM	0-10V DC	10 –100%	E320395	Damp

*Output Voltage tolerance ±5%

Notes:

1. All power supplies can be remote mounted up to 32 feet. Although it is possible to exceed the remote mounting distance, the installer and/or end user must take precautions to prevent and/or test the effects of EMI (electromagnetic interference).
2. Use wiring rated and marked PLTC, CL3R, and "sun resistant"
3. 51514 replaces 51513 (OT75/120/24), which is discontinued
4. 51522 replaces 51510, which is discontinued

Ordering Guide

OT	240W	/	3x24V	/	120-240	/	JBX
OPTOTRONIC®	Output Wattage		Output Voltage		Input Voltage		Junction Box

Minimum and Maximum Ratings

Parameter	Power Supply	Values
Input Voltage Range (Min/Max)	OT20 and OT240 OT30 and OT50 OT17, OT75 and OT96	108-254 VAC 108-132 VAC 108-305 VAC
Input Frequency		50/60Hz
Ambient Temperature Range	OT20 and OT50 OT30, OT96 OT75 OT17, OT96JBX and OT240	-20°C through +50°C -20°C through +40°C -25°C through +60°C -30°C through +70°C (2% de-rating per °C from 50°C)
Max. Case Temperature	OT30 OT50 OT20, OT96 OT17, OT75, OT96JBX and OT240	45°C 70°C 75°C 90°C

Assembly and Wiring Diagrams

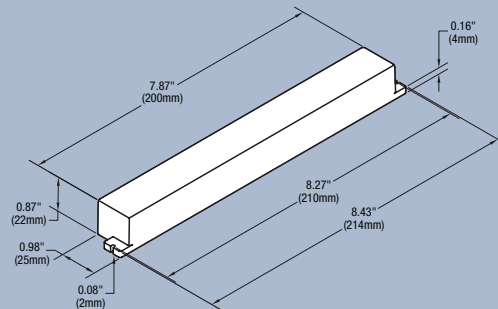
OT17 Case:

Packaging:

Quantity: 50 pieces/carton
Weight: 0.36 lbs each (approx.)
18.3 lbs/carton

Wiring: Leads only (no connectors)

Input: 6" (18AWG wire) black & white wires
Output: 6" (18AWG wire) gray+ and black- wires



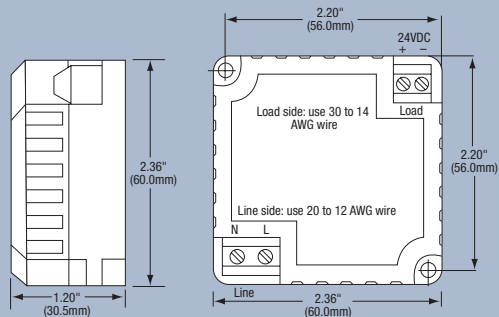
OT20 Case:

Packaging:

Quantity: 30 pieces/carton
Weight: 0.21 lbs each (approx.)
6.30 lbs/carton

Wiring: Connectors only (No leads provided)

Use solid or stranded copper wire only



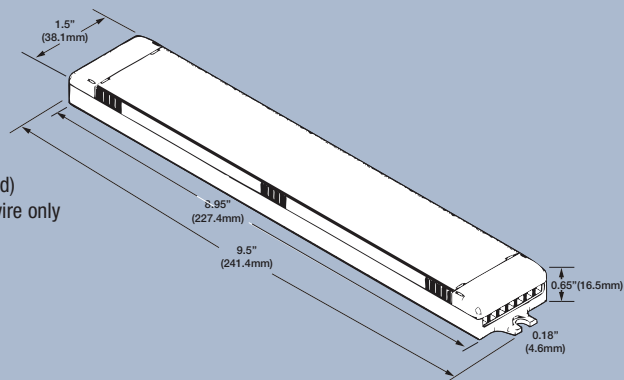
OT50 Case:

Packaging:

Quantity: 20 pieces/carton
Weight: 0.4 lbs each (approx.)
8.5 lbs/carton

Wiring: Connectors only (No leads provided)

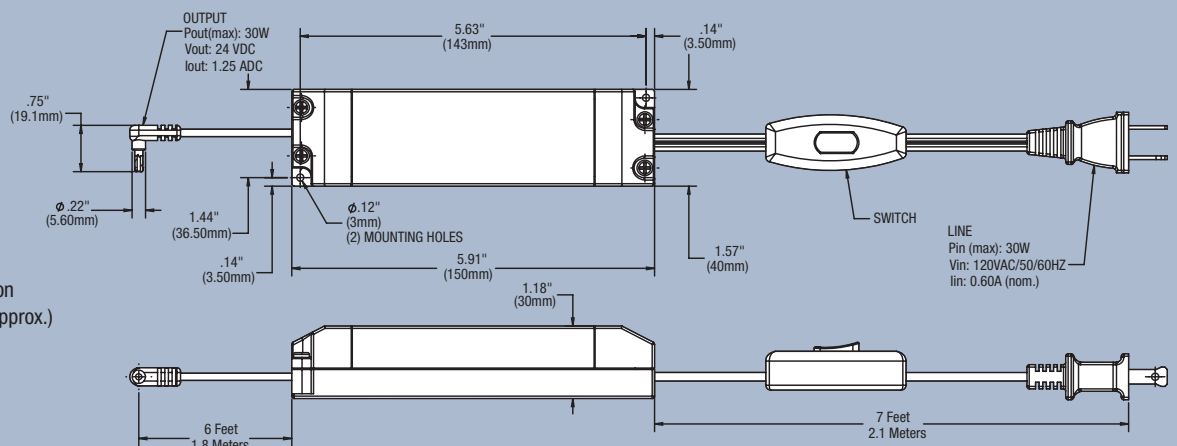
Use 14-22AWG solid or stranded copper wire only



OT30 Case:

Packaging:

Quantity: 50 pieces/carton
Weight: 0.63 lbs each (approx.)
31.77 lbs/carton



Assembly and Wiring Diagrams (continued)

OT75 & OT96 Case:

Packaging:

Quantity: 10 pieces/carton

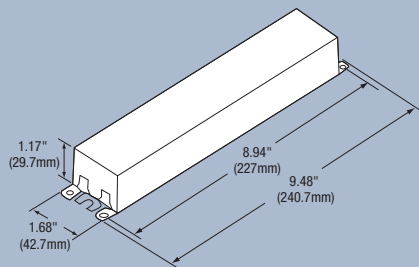
Weight: 1.35 lbs each (approx.)

14 lbs/carton

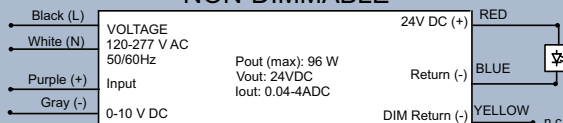
Wiring: Leads only (no connectors)

AC Input: 9" (18AWG wire) black & white wires

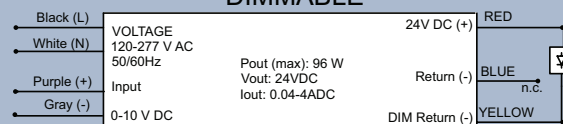
Output: 9" (18AWG wire) red+ & blue- wires



NON-DIMMABLE



DIMMABLE



OT96JBX Case (Wet Rated):

Packaging:

Quantity: 16 pieces/carton

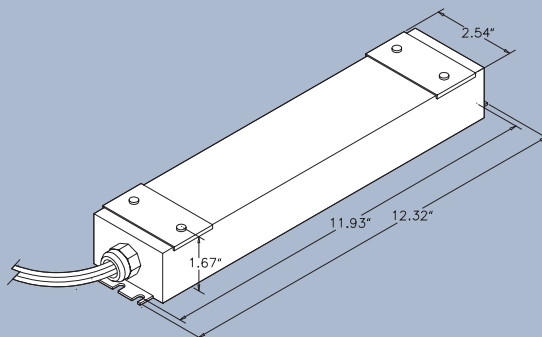
Weight: 2 lbs each (approx.)

33 lbs/carton

Wiring: Leads only (2.76" 18AWG wire)

Input: black (L), white (N), & green/yellow (GRD) wires with a UL Listed, 1/2" metallic fitting

Output: gray (+) & black (-) with a UL Listed, 1/2" plastic fitting



OT240 Case:

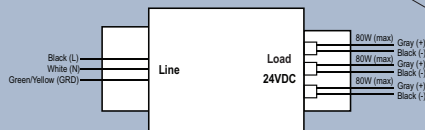
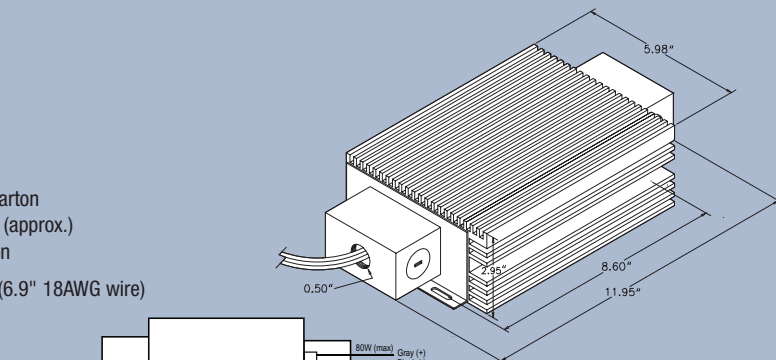
Packaging:

Quantity: 5 pieces/carton

Weight: 11 lbs each (approx.)

53 lbs/carton

Wiring: Leads only (6.9" 18AWG wire)



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/LED.

United States OSRAM SYLVANIA

100 Endicott Street
Danvers, MA 01923
1-800-LIGHTBULB

Trade

Phone: 800-255-5042

Fax: 800-255-5043

National Accounts

Phone: 800-562-4671

Fax: 800-562-4674

OEM/Special Markets

Phone: 800-762-7191

Fax: 800-762-7192

Retail

Phone: 800-842-7010

Fax: 800-842-7011

SYLVANIA Lighting Services

Phone: 800-323-0572

Fax: 800-537-0784

Display/Optic

Phone: 888-677-2627

Fax: 855-543-1043

Canada

OSRAM SYLVANIA LTD.

2001 Drew Road
Mississauga, ON L5S 1S4
1-800-LIGHTBULB

Trade

Phone: 800-263-2852

Fax: 800-667-6772

OEM/Special Markets/Display/Optic

Phone: 800-265-2852

Fax: 800-667-6772

Retail

Phone: 800-720-2852

Fax: 800-667-6772

SYLVANIA Lighting Services

Phone: 800-663-4268

Fax: 866-239-1278

Mexico

OSRAM MEXICO

Tultitlan/Edo de Mexico
Phone: 011-52-55-58-99-18-50

ENCELIUM® Products

United States

Phone: 201-508-1570

Fax: 201-508-1589

Canada

Phone: 905-731-7678

Fax: 905-731-1401

www.sylvania.com



SYLVANIA and The System Solution,  are registered trademarks of OSRAM SYLVANIA Inc.
OSRAM and OPTOTRONIC are registered trademarks of OSRAM GmbH.
Specifications subject to change without notice.

