



SHENZHEN OTTIMA TECHNOLOGY CO., LTD.

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Triac ELV MLV Dimmable Transformer 180W (60W*3C)

Features



SELV
Class 2
Class P
TYPE HL

Dimming function:	Electronic Transformer Triac/ ELV/ MLV dimming
Dimming range:	0-100%
Certificates:	UL listed, Class 2, Class P, Type HL, SELV, RoHS
Location of application:	Dry, damp and wet locations
Input:	120VAC
THD:	THD<20%@120V Max. load
Output type:	Constant voltage
Small size:	278.4x80x40.2 mm / 10.96x4.07x1.59 inch (L*W*H)
Loading:	Super low loading request, works perfect at 20-100% load
Protections:	Short circuit / over load
Compatibility:	Compatible with popular dimmers in the market, Lutron-CL, Diva series and so on.
Application:	• LED strip/ LED tape/ LED module • Residential Lighting • Commercial Lighting
Warranty:	5 years warranty

Specification

Model Number	OTM-TD180-JAM12
OUTPUT	
Rated Power	180W (60W*3C)
Rated Voltage	12V
Rated Current	15A(5A*3C)
Voltage Tolerance	±1V
INPUT	
Voltage Range	120V
Frequency Range	47-63Hz
Power Factor(typ.)	0.94@120VAC
Total Harmonic Distortion	THD< 20%(@100% load)
Efficiency (Typ.)	88%@120VAC
AC Current (Typ.)	1.85A
Leakage Current	<0.5mA/ 120VAC
PROTECTION	
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.
Over Load	Hiccup mode, recovers automatically after fault condition is removed.
ENVIRONMENT	
Working Temp.	Tc =-40 ~ +60 (Please refer to“OUTPUTLOAD vs TEMPERATURE”section)



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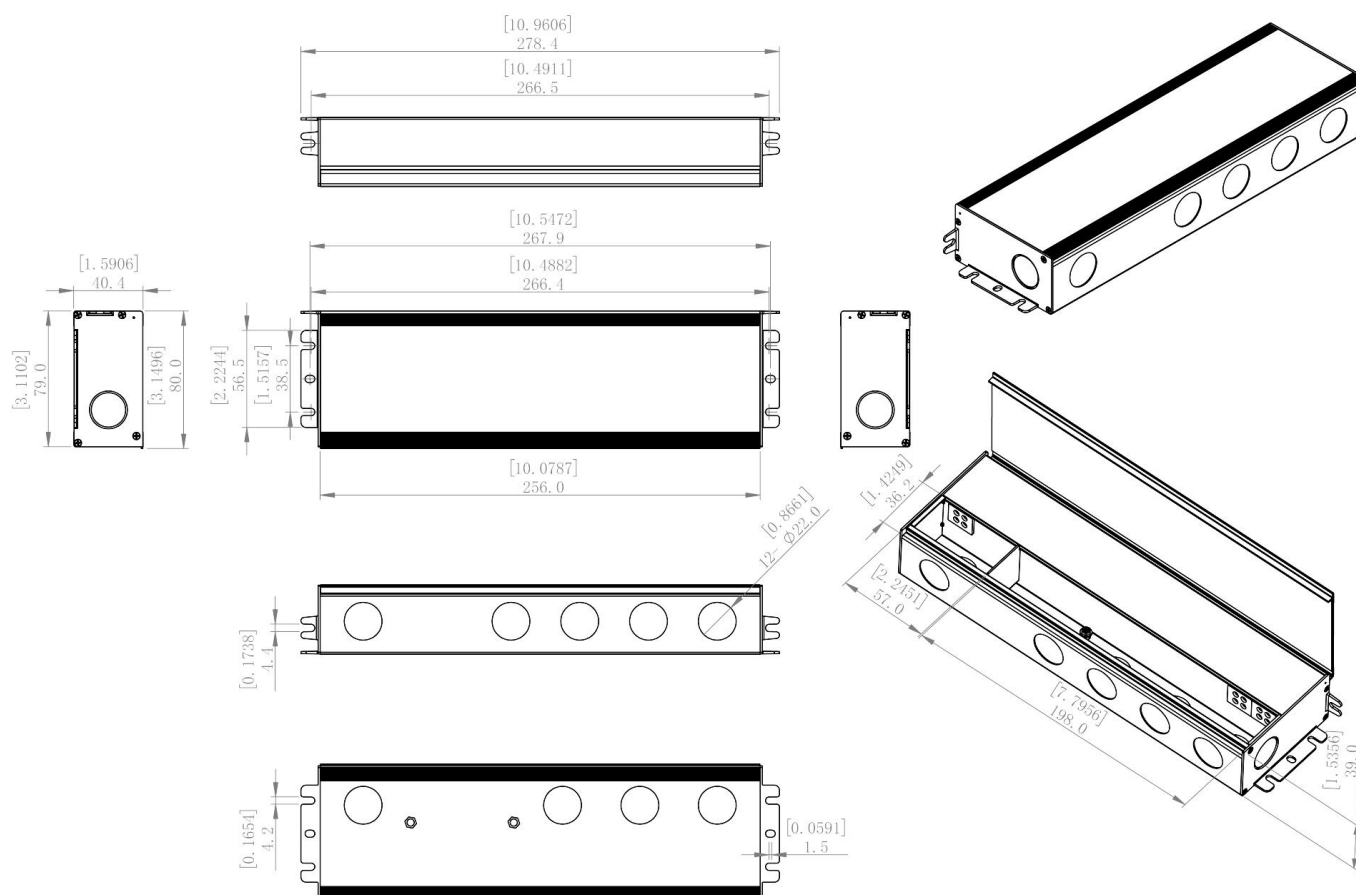
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Working humidity	20 ~ 95% RH non-condensing
Storage temp., Humidity	-40 ~ +90, 10 ~ 95% RH
Temp .coefficient	±0.03%/°C (0~50°C)
Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes
SAFETY & EMC	
Safety standards	UL8750, Class 2
Withstand voltage	I/P-O/P: 1.88KVAC
OTHERS	
Weight	0.93/kg
Dimension	See Mechanical Specification
Packing	34.5*24*19 cm (10PCS/CTN)

Mechanical Specification





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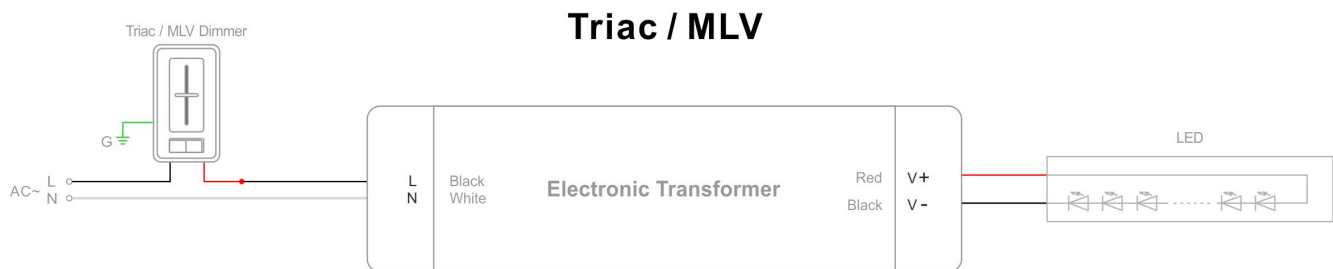
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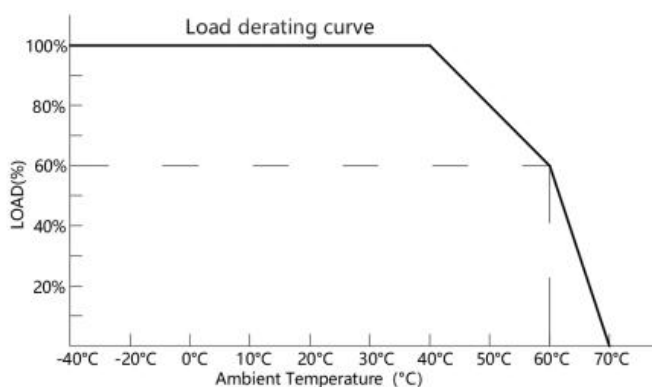
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Wiring Diagram



Load vs Ambient Temperature



❖ To extend their life, please refer to the Derating Curve and derate according to the temperature.

Warm tips :

1. All Electronic Transformer meet the harmonic emissions requirements of ANSI C82.77-10.