

TLD24V-96W

24V DRIVER FOR PINNACLE SERIES SPECIFICATION GRADE LED TAPE LIGHT

FEATURES

- Output constant voltage
- UL, cUL listed, Class 2, Class P, Type HL
- Universal AC input: 100-277VAC
- Power factor: up to 0.98
- High efficiency: up to 83%
- Dimming range: 0-100%
- Load: 10-100%
- Protection: short circuit / over loading / over temperature
- PWM output, does not change the color index
- Full protection aluminum housing, for dry, damp and wet location
- Flicker-free
- Compatible with Forward phase, Reverse phase, Triac, MLV, ELV dimmers
- Recommended & tested driver for Pinnacle Series LED tape light

SPECIFICATIONS

Model	TLD24V-96W	
Certificates	UL cUL Class 2 FCC	
Output	DC Voltage	24V
	Rated Current	4A
	Rated Power	96W
	Voltage Tolerance	±0.5V
	Voltage Regulation	±0.5%
	Load Regulation	±1%
Input	Voltage Range	100-277VAC
	Frequency Range	47-63Hz
	Power Factor (Typ.) @ full load	0.98@120VAC 0.96@277VAC
	THD (Typ.) @ full load	<20%
	Efficiency (Typ.) @ full load	83%
	AC Current (Max.)	1.3A@100VAC
	Inrush Current (Typ.)	20A, 50%, 1.6ms
	Leakage Current	<0.50mA
Protection	Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition removed
	Over Loading	≤120% constant current limiting, auto-recovery
	Over Temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling
Environment	Working Temperature	-40~+60°C (-40~+140°F)
	Working Humidity	20~90%RH, non-condensing
	Storage Temperature & Humidity	-40~+80°C (-40~+176°F), 10~95%RH
	Temperature Coefficient	±0.03%/°C/°F (0~50°C/32~122°F)
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X, Y, Z axes
Safety & EMC	Safety Standards	UL8750+UL1310 + CSA C22.2 NO.250.13
	Withstand Voltage	I/P-O/P:1.88KVAC
	Isolation Resistance	I/P-O/P:100MΩ/500VDC/25°C(77°F)/70%RH
	EMC Emission	FCC Part 15 B
Others	Net. Weight	2.8 lbs (1.3kg)
	Size	8.7" / 220mm (L) x 3.7" / 94.5mm (W) x 1.6" / 40mm (H)
	Master Case	10PCS/CTN

* All parameters if NOT specially mentioned are measured at 120VAC input, rated load and 25°C (77°F) of ambient temperature.

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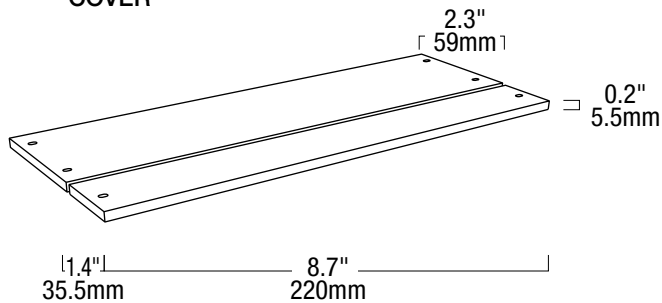
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APPLICATIONS

The Pinnacle Series 24V driver has been designed with complete flexibility in mind. The compact size with a profile height of less than 1.6" and a certificate for wet rated locations allows for unlimited installation applications. It meets all requirements for Class 2 certification and is the recommended driver for use with our 24V Pinnacle Series LED tape light.

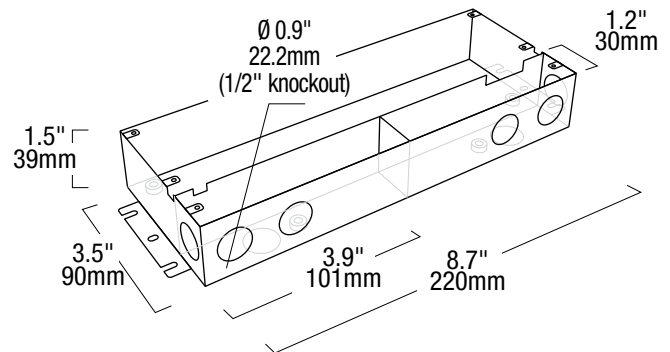
DIMENSIONS

COVER



8.7" / 220mm (L) x 3.7" / 94.5mm (W) x 1.6" / 40mm (H)

JUNCTION BOX



RATINGS



CLASS
2

CLASS
P

TYPE
HL



WET
LOCATIONS

ORDERING GUIDE

Pinnacle TLD24V Series

Series	Wattage	Input Voltage	Output Voltage
TLD24V	96W	100-277V AC	24V DC

Notes: Configure product using **BOLD** options: Ex: TLD24V-**96W**