

# MWS320T-1H24V

## Summary

MWS320T-1H24V is a constant voltage mode output LED driver. The driver supports leading edge (Triac) and trailing edge (ELV) dimmer, and can be compatible with the systems of various brands (Philips, Panasonic, Lutron, Simon, ABB, Siemens, Dalitek etc.) to achieve a smooth dimming effect. It can be suitable for indoor and outdoor LED lamps.

## Product Feature

- Single channel constant voltage output, maximum output current is 13.3A
- Built in active PFC, PF > 0.99
- Support for triac and ELV dimming
- Dimming voltage range 40vac - 240VAC
- Smooth dimming curve, flicker free
- 92% efficiency
- Over current protection
- IP65, suitable for indoor and outdoor LED lamps

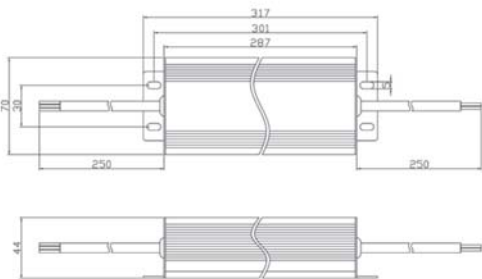


IP65    SELV

## Technical Parameters

Model		MWS320T-1H24V
Output	Voltage	24VDC
	Current	13.3A
	Power	320W
	Current Tolerance	±3%
	Ripple Current	300mVp-p
Input	Voltage	220VAC-240VAC
	Frequency	50/60Hz
	Voltage Range	40-240VAC
	Efficiency	92%@230VAC, Full load
	Power Factor	<0.99%@230VAC, Full load
	THD	<5%@230VAC, Full load
	Current	<1.6Amax@230VAC, Full load
Protection	Inrush Current	Cold start , 45A (twidh=50us measured at 50% Ipeak) @230VAC
	Short Circuit	Hiccup, recovers after fault condition is removed
Function	Over Current	Hiccup, recovers after fault condition is removed
	Dimming Type	Triac/ELV
Others	Dimension	317*70*44mm(L*W*H)
	Packing Size	330*90*50mm(L*W*H)
	N.W	1500g
	IP Rating	IP65
	Working Temp.	-20°C -50°C
	tc	85°C
	Humidity	20-90% RH
	Lifetime	50000h@tc:75°C
Switch Cycle	>100,000 times	

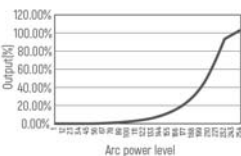
## Dimension(mm)



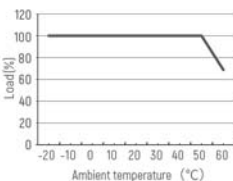
## Wiring Diagram



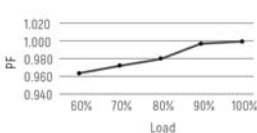
## Dimming Curve



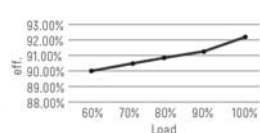
## Derating Curve



## PF vs Load



## Eff. vs Load



## On Load Description Of Circuit Breaker

Type of circuit breaker	B16	C16
Installation line diameter	1.5mm <sup>2</sup>	1.5mm <sup>2</sup>
Maximum allowed quantity	6	8

## Installation Distance Between Drive And Lamp

distance	7m/22ft	10m/32ft
Line diameter	1.5mm <sup>2</sup> /AWG15	2.5mm <sup>2</sup> /AWG13

## Caution

1. This product shall be debugged and installed by personnel with professional qualification.
2. Please read the manual and wiring diagram carefully before installation.
3. Before power on commissioning, ensure that all wiring is correct, so as to avoid lamp damage due to wrong wiring.
4. In case of failure, please do not repair without permission; if in doubt, please contact the supplier.