







Features

- Constant Voltage PWM style output with frequency 1KHz
- Plastic housing with class II design
- Built-in active PFC function
- No load power consumption<0.5W(Blank-Type)
- · IP67 rating for indoor or outdoor installations
- Function options: 2 in 1 dimming (dim-to-off); Auxiliary DC output
- 3 years warranty

Description

- Applications
 - LED strip lighting
 - Indoor LED lighting
 - · LED decorative lighting
 - · LED architecture lighting
 - Industrial lighting
- GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

ODLV-45 series is a 45W AC/DC LED driver featuring the constant voltage mode PWM style output design. ODLV-45 operates from 90~295VAC and offers models with different rated voltage ranging between 12V and 60V. Thanks to the high efficiency up to 90%, with the fanless design, the entire series is able to operate for $-20^{\circ}C + 85^{\circ}C$ case temperature under free air convection. The design of plastic housing and IP67 ingress protection level allows this series to fit indoor wet applications. ODLV-45 is equipped with various function options, such as dimming methodologies, so as to provide the design flexibility for LED lighting system.



Туре	Function	Note
Blank	2 in 1 dimming (0~10VDC and 10V PWM)	In Stock
A	2 in 1 dimming and Auxiliary DC output	In Stock



SPECIFICATION

MODEL		ODLV-45□-12	ODLV-45□-24	ODLV-45-36	ODLV-45 -48	ODLV-45 -60	
	DC VOLTAGE	12V	24V	36V	48V	60V	
OUTPUT	RATED CURRENT	3.0A	1.88A	1.25A	0.94A	0.75A	
	RATED POWER	36W	45.12W	45W	45.12W	45W	
	DIMMING RANGE	0~100%					
	VOLTAGE TOLERANCE	±10%					
	PWM FREQUENCY (Typ.)	1KHz(±20%)					
	SETUP TIME Note.3	500ms / 230VAC 1200ms/115VAC					
	AUXILIARY DC OUTPUT Note.4	Nominal 12V(deviation 11.4~12.6)@50mA for A-Type only					
INPUT	VOLTAGE RANGE Note.2	90 ~ 295VAC (Please refer to "STATIC CHARACTERISTIC" section)					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.95/115VAC, PF>0.92/230VAC, PF>0.9/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧60%/115VAC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION" section)					
	EFFICIENCY (Typ.)	84%	86%	88%	88%	90%	
	AC CURRENT (Typ.)	0.6A / 115VAC 0.4		A / 277VAC			
	INRUSH CURRENT(Typ.)	COLD START 30A(twidth=150µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	32 units (circuit breaker of type B) / 32 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA/277VAC					
PROTECTION	NO LOAD POWER CONSUMPTION						
	SHORT CIRCUIT	Shut down O/P voltage, re-power on to recovery					
		105 ~ 115%					
	OVER CURRENT	Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	WORKING TEMP.	Tcase=-20 ~ +85°C (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)					
ENVIRONMENT	MAX. CASE TEMP.						
	WORKING HUMIDITY	Tcase=+85℃ 20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY						
	TEMP. COEFFICIENT						
		±0.03%/°C (0 ~ 50°C)					
SAFETY & EMC	VIBRATION SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes UL8750(type"HL"),CSA C22.2 NO.250.13-12;ENEC BS EN/EN61347-1 & BS EN/EN61347-2-13 independent BS EN/EN62384; BIS IS15885(for ODLV-45-12,24,48 only), EAC TP TC 004,IP67 approved					
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC					
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC EMISSION	Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (@load ≥ 60%) ; BS EN/EN61000-3-3, EAC TP TC 020					
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, light industry level(surge immunity: Line-Line:1KV),EAC TP TC 020					
OTHERS	MTBF	4229.8K hrs min. Telc	cordia SR-332 (Bello	ore) 434.9K hrs min.	MIL-HDBK-217F (2	5°C)	
	DIMENSION	111*77*28.5mm (L*W*	*H)				
	PACKING	0.42Kg;24pcs/11Kg/0).72CUFT				
NOTE	 De-rating may be needed u Length of set up time is me Aux. 12V will be damaged u The driver is considered as affected by the complete in: The ambient temperature de For any application note an https://www.meanwell.com/ To fulfill requirements of the switch without permanently 	e latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a					















Typical output current normalized by rated current (%)

In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.



