

IDLV-25 series



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8 R-41027766



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)
- Function options: 2 in 1 dimming (dim-to-off); Auxiliary DC output
- 3 years warranty

Description

IDLV-25 series is a 25W AC/DC LED driver featuring the constant voltage mode PWM style output design. IDLV-25 operates from $90 \sim 295$ VAC and offers models with different rated voltage ranging between 12V and 60V. Thanks to the high efficiency up to 84%, with the fanless design, the entire series is able to operate for $-20^{\circ}C \sim +90^{\circ}C$ case temperature under free air convection. IDLV-25 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

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Applications

- · LED strip lighting
- Indoor LED lighting
- LED decorative lighting
- · LED architecture lighting



SPECIFICATION

MODEL		IDLV-25□-12	IDLV-2524	IDLV-2536	IDLV-25-48	IDLV-2560	
	DC VOLTAGE	12V	24V	36V	48V	60V	
OUTPUT	RATED CURRENT	1.8A	1.05A	0.7A	0.52A	0.42A	
	RATED POWER	21.6W	25.2W	25.2W	24.96W	25.2W	
	DIMMING RANGE	0~100%		1	1	l.	
	VOLTAGE TOLERANCE	±10.0%					
	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					
	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≧70%/115VAC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION" section)					
	EFFICIENCY (Typ.)	80%	81%	82%	83%	84%	
	AC CURRENT (Typ.)	0.4A / 115VAC 0.1	16A / 230VAC).13A / 277VAC			
	INRUSH CURRENT(Typ.)	COLD START 30A(tw	ridth=150µs measur	ed at 50% Ipeak) at 230	/AC; 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					
	NO LOAD POWER CONSUMPTION	<0.5W for Blank-Type, <1.2W for A-Type					
	SHORT CIRCUIT	Shut down output vo	Itage, re-power on	to recover			
PROTECTION	OVER CURRENT	105 ~ 120% Protection type : Constant current limiting, recovers automatically after fault condition is removed					
	OVERCORRENT						
	WORKING TEMP.	Tcase=-20 ~ +90 $^\circ\mathrm{C}$ (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)					
	MAX. CASE TEMP.	Tcase=+90°C					
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0~45°C)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
	SAFETY STANDARDS	UL8750,CSA C22.2 NO.250.13-12;BS EN/EN/AS/NZS 61347-1 & BS EN/EN/AS/NZS 61347-2-13 independent BS EN/EN62384,GB19510.1,GB19510.14,BIS IS15885(for IDLV-25-12,24,48 only), EAC TP TC 004 approved					
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC					
EMC	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 \geq 70%) ; BS EN/EN61000-3-3, GB17743,GB17625.1,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	382.7Khrs min. M	IL-HDBK-217F (25°0	C)			
	DIMENSION	110*75*22mm (L*W*H	H)				
	PACKING	0.2Kg;63pcs/13.6Kg/	0.88CUFT				
NOTE	 De-rating may be needed un Length of set up time is mea Aux. 12V will be damaged v The driver is considered as affected by the complete ins The ambient temperature de To fulfill requirements of the connected to the mains. 	Ily mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Inder low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. asured at cold first start. Turning ON/OFF the driver may lead to increase of the set up time. with short circuit; It will not be available with dimming off or output no load condition. a component that will be operated in combination with final equipment. Since EMC performance will be stallation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. erating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft) a latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently . For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx					







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File Name:IDLV-25-SPEC 2021-08-30



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※ А-Туре



NOTE: Please use wires with a cross section of 0.75~1.5mm² for TB1 and wires with a cross section of 0.5~1.5mm² for TB2.

Terminal Pin No. Assignment(TB1)

Pin No.	Assignment
1	ACL
2	ACL
3	ACN
4	ACN

Terminal Pin No. Assignment(TB2)

Pin No.	Assignment	Pin No.	Assignment
1	DIM-	4	AUX+
2	DIM+	5	Vo-
3	AUX-	6	Vo+

■ INSTALLATION MANUAL

Please refer to : http://www.meanwell.com/manual.html