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Applications

· LED panel lighting

LED flood lighting

Industrial lighting

GTIN CODE

Indoor LED lighting





IS 15885(Part 2/Sec13)

8 R-41027766



Features

- Constant Current mode output
- Flicker free design
- Plastic housing with class II design
- Built-in active PFC function
- No load power consumption<0.5W(Blank-Type), Standby power consumption<0.5W(DA-Type)
- IP67 rating for indoor or outdoor installations
- Function options: 2 in 1 dimming (dim-to-off); Auxiliary DC output; DALI
- · 3 years warranty

Description

ODLC-45 series is a 45W LED AC/DC driver featuring the constant current mode output with flicker free design.ODLC-45 operates from 90~295VAC and offers models with different rated current ranging between 350mA and 1400mA. Thanks to the efficiency up to 86%, with the fanless design, the entire series is able to operate for $-20^{\circ}C + 85^{\circ}C$ case temperature under free convection. The design of plastic housing and IP67 ingress protection level allows this series to fit indoor wet applications. ODLC-45 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for lighting system.

Model Encoding ODLC - 45 A - 350							
	Rated output current(350/500/700/1050/1400mA)						
	∫ A:Auxiliary DC output(12V@50mA)						
	Rated wattage						
	Series name						

Туре	Function	Note
Blank	2 in 1 dimming (0~10VDC and 10V PWM)	In Stock
DA	DALI control technology	In Stock

Note: The DALI control model(DA Type) only for ODLC-45 Non Auxiliary DC output models.



SPECIFICATION

MODEL		ODLC-45 -350	ODLC-45500_	ODLC-45700	ODLC-451050_	ODLC-45 -1400	
	RATED CURRENT	350mA	500mA	700mA	1050mA	1400mA	
	RATED POWER	33.25W	45W	44.8W	45.15W	44.8W	
	CONSTANT CURRENT REGION Note.2	57 ~ 95V	54~90V	38~64V	26~43V	19~32V	
	OPEN CIRCUIT VOLTAGE(max.)		115V	84V	63V	50V	
		5% max. @rated currer					
	CURRENT TOLERANCE						
	SETUP TIME Note.4	500ms / 230VAC 1200ms/115VAC					
	AUXILIARY DC OUTPUT Note.5	Nominal 12V(deviation 11.4~12.6)@50mA for ODLC-45A only 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%/230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION" section)					
	EFFICIENCY (Typ.)	86%	85%	85%	85%	85%	
	AC CURRENT	0.6A/115VAC 0.4A/23	80VAC 0.3A/277VA	NC			
	INRUSH CURRENT (Typ.)	COLD START 30A(twidth=100µs 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					
	NO LOAD/STANDBY POWER CONSUMPTIONNo load power consumption<0.5W for Blank-Type,<1.2W for ODLC-45A Standby power consumption<0.5W for DA-Type						
PROTECTION	SHORT CIRCUIT	Hiccup mode,auto-recovery after fault condition is removed for DA type; Hiccup mode,re-power on to recovery for other type					
	WORKING TEMP.	Tcase=-20 ~ +85℃ (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)					
ENVIRONMENT	MAX. CASE TEMP.	Tcase=+85°C					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 40°C)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	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 ODLC-45-700,1050,700DA,1050DA only), EAC TP TC 004,IP67 approved					
	DALI STANDARDS	Compliance to IEC62386-101, 102 for DA-Type only					
	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, 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 3513.4K hrs min. Telcordia SR-332 (Bellcore) ;340.8K hrs min. MIL-HDBK-217F (25°C)					
OTHERS	DIMENSION	111*77*28.5mm(L*W*H)					
SHIERS	PACKING	0.42Kg; 24pcs/ 11Kg/ 0.72CUFT					
NOTE	 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 2. Please refer to "DRIVING METHODS OF LED MODULE". 3. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 4. Length of set up time is measured at cold first start. Turning ON/OFF the driver may lead to increase of the set up time. 5. Aux. 12V will be damaged with short circuit; It will not be available when output voltage is not in constant current region or output no load condition. 6. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 7. The DALI version driver does not support the bit 1: Lamp failure in the Command 144 Query status of the DALI standard. 8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft) 9. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf 10. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains. <i>File Name:ODLC-45-SPEC_2022-04-1.</i> X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx 						















