



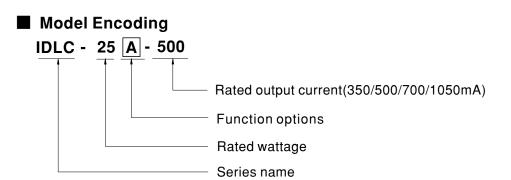




• 3 years warranty

Description

IDLC-25 series is a 25W LED AC/DC driver featuring the constant current mode output with flicker free design.IDLC-25 operates from 90~295VAC and offers models with different rated current ranging between 350mA and 1050mA. Thanks to the efficiency up to 82%, 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. IDLC-25 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for 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

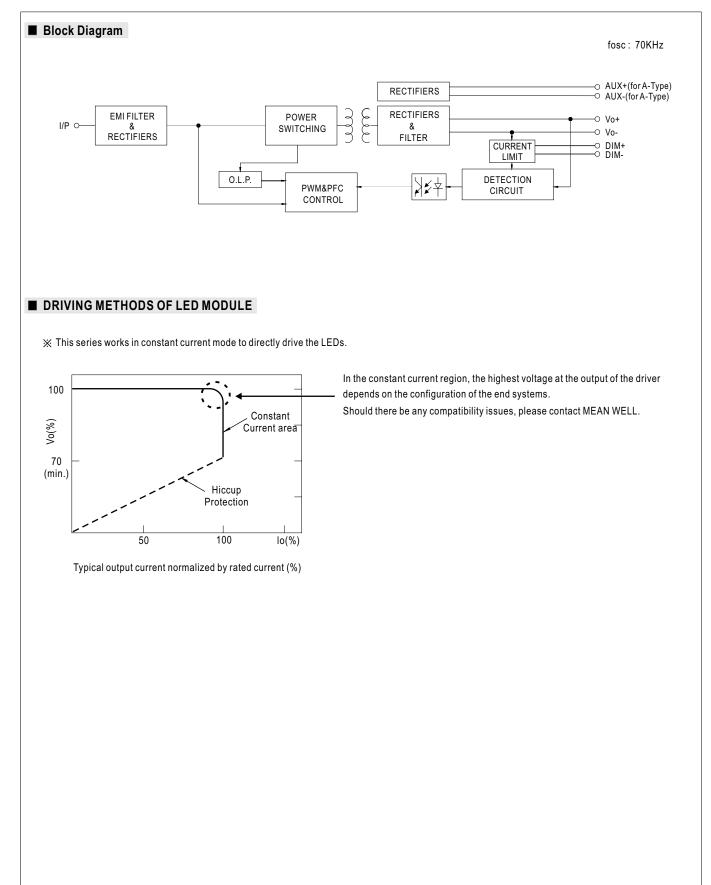


File Name:IDLC-25-SPEC 2022

SPECIFICATION

MODEL		IDLC-25350	IDLC-25500	IDLC-25700	IDLC-251050	
	RATED CURRENT	350mA	500mA	700mA	1050mA	
	RATED POWER	24.5W	25W	25.2W	25.2W	
	CONSTANT CURRENT REGION Note.2	49~70V	35~50V	25.2~36V	16.8 ~ 24V	
OUTPUT	OPEN CIRCUIT VOLTAGE(max.)	100V	75V	63V	36V	
	CURRENT RIPPLE	5.0% max. @rated current				
	CURRENT TOLERANCE	±7.0%				
	SETUP TIME Note.4	500ms / 230VAC 1200ms/115VAC				
	AUXILIARY DC OUTPUT Note.5	Nominal 12V(deviation 11.4~12.6)@50mA for A-Type only				
	VOLTAGE RANGE Note.3	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)				
INPUT	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧70%/115VAC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION" section)				
	EFFICIENCY (Typ.)	82%	81.5%	81.5%	81%	
	AC CURRENT	0.4A/115VAC 0.16A/230VAC 0.13A/277VAC				
	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 POWER CONSUMPTION	<0.5W for Blank-Type, <1.2W for A-Type				
ROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed				
	WORKING TEMP.	Tcase=-20 ~ +90 $^{\circ}$ C (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=+90°C				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
ENVIRONMENT	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 61347-1 & BS EN/EN 61347-2-13 independent, BS EN/EN62384, BIS IS15885(for IDLC-25-700 only), EAC TP TC 004 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC				
SAFETY & 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,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	4398.1K hrs min. Telcordia SR-332 (Bellcore) ; 1093.3K hrs min. MIL-HDBK-217F ($25^{\circ}C$)				
	DIMENSION	110*75*22mm(L*W*H)				
	PACKING	0.196Kg; 63pcs / 13.348Kg / 0.88CUFT				
NOTE	 Please refer to "DRIVING M De-rating may be needed u Length of set up time is me Aux. 12V will be damaged The driver is considered as affected by the complete in The ambient temperature de To fulfill requirements of the connected to the mains. 	ally mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. METHODS OF LED MODULE". under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. easured 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 when output voltage is not in constant current region or output no load condition. s 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). e latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently r : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx				

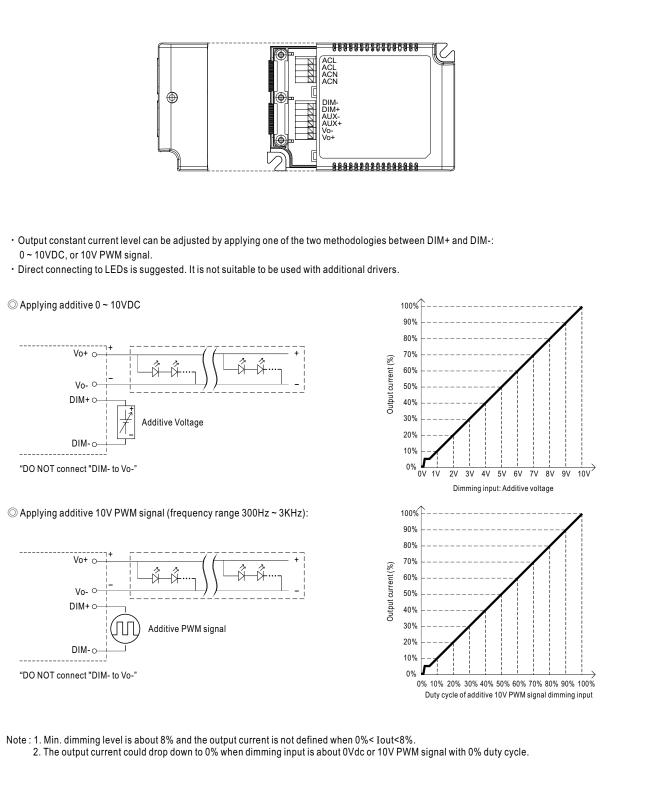




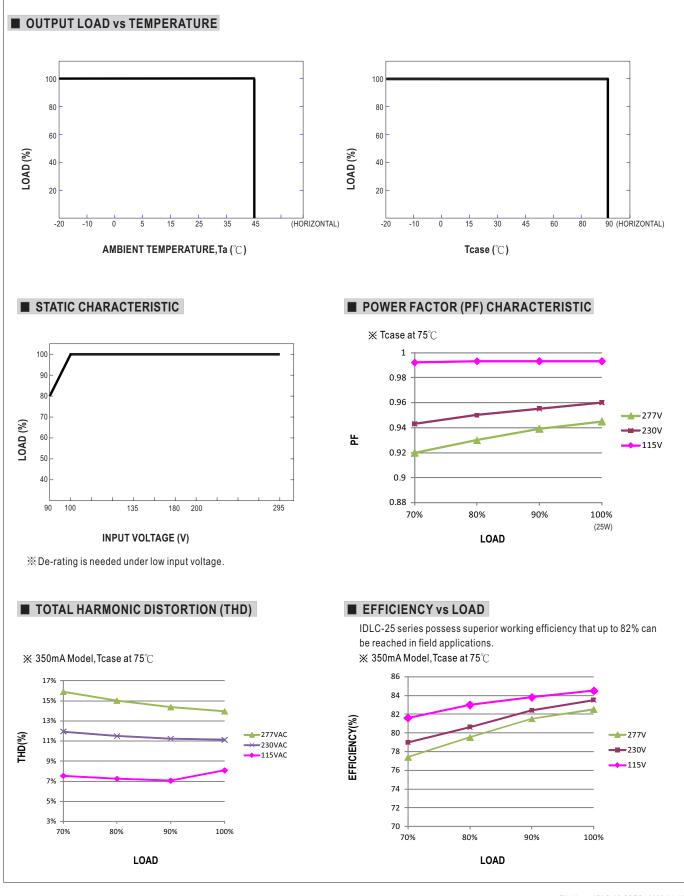


■ DIMMING OPERATION

% 2 in 1 dimming function



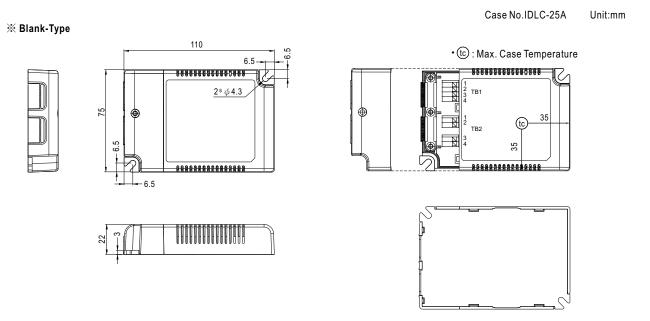




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MECHANICAL SPECIFICATION



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)

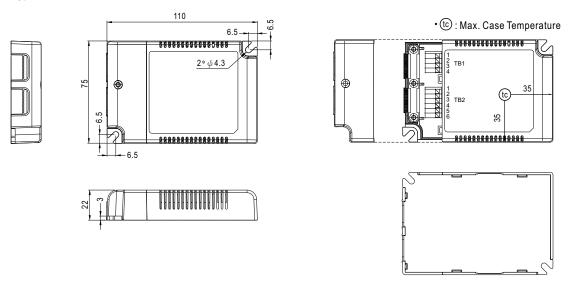
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Pin No.	Assignment
1	DIM-
2	DIM+
3	Vo-
4	Vo+



25W Constant Current Mode LED Driver

IDLC-25 series

※ А-Туре



NOTE: Please use wires with a cross section of $0.75 \sim 1.5$ mm² for TB1 and wires with a cross section of $0.5 \sim 1.5$ mm² 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