



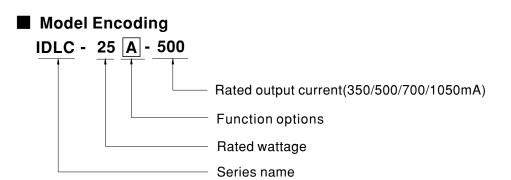




• 3 years warranty

### 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

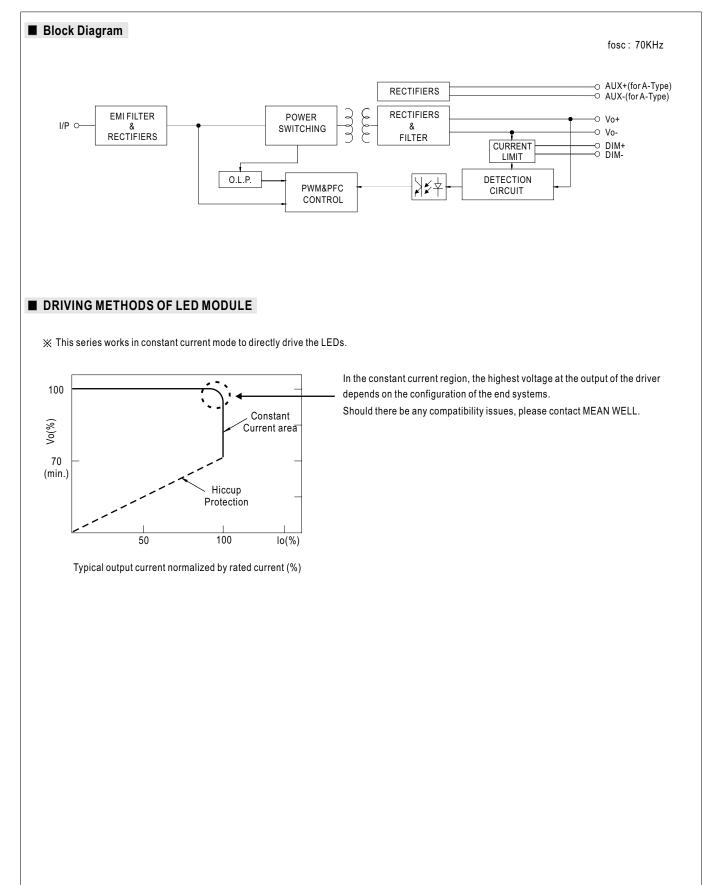


File Name:IDLC-25-SPEC 2022

### 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	<ol> <li>Please refer to "DRIVING M</li> <li>De-rating may be needed u</li> <li>Length of set up time is me</li> <li>Aux. 12V will be damaged</li> <li>The driver is considered as affected by the complete in</li> <li>The ambient temperature de</li> <li>To fulfill requirements of the connected to the mains.</li> </ol>	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				

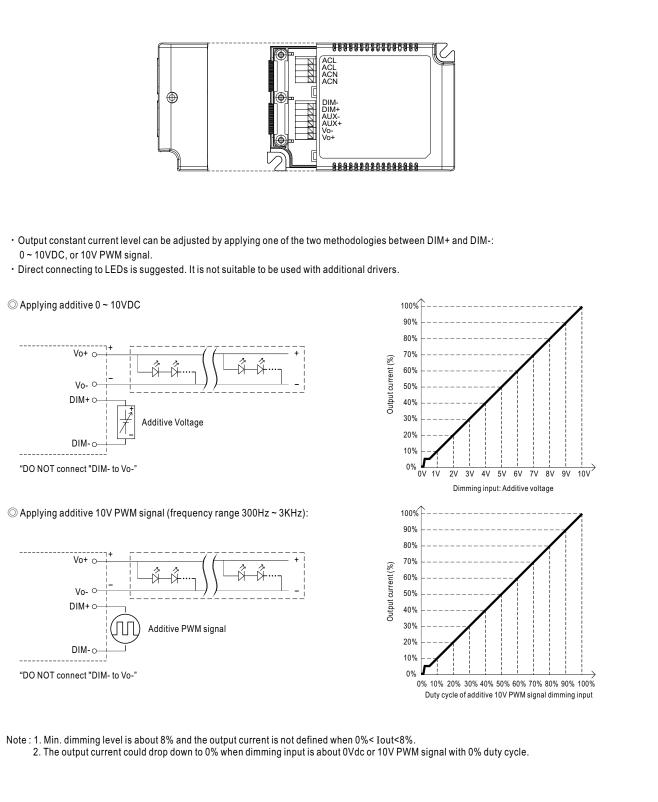




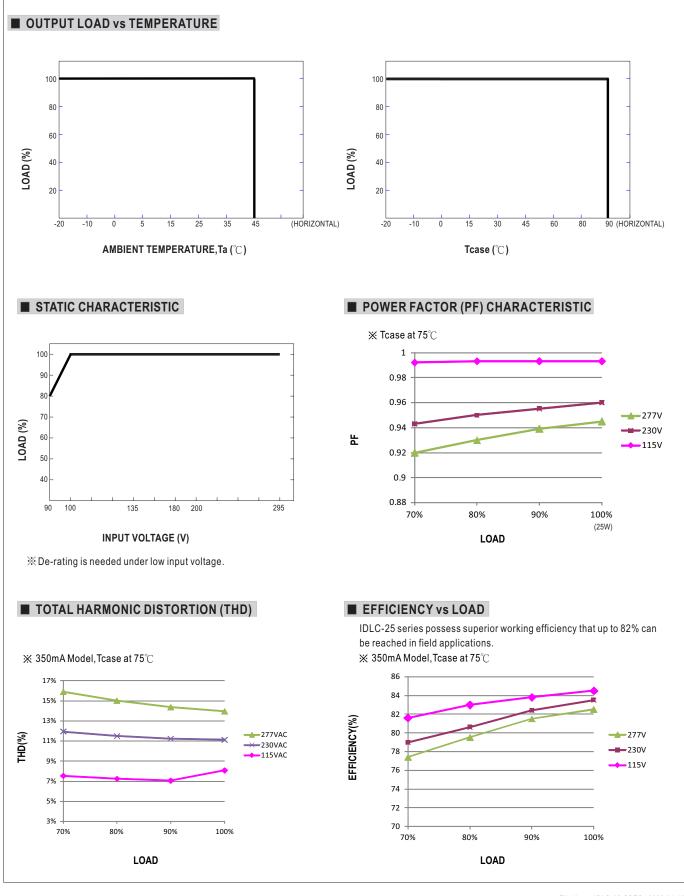


### ■ DIMMING OPERATION

% 2 in 1 dimming function



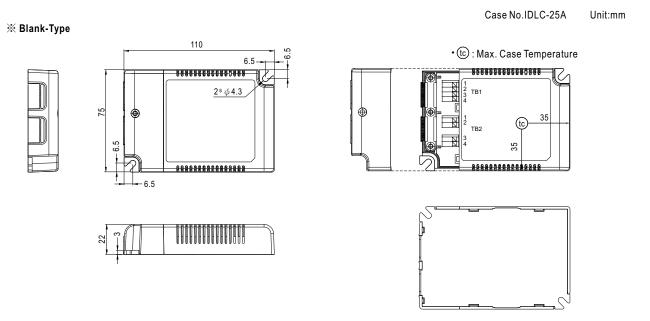




File Name:IDLC-25-SPEC 2022-04-12



#### MECHANICAL SPECIFICATION



NOTE: Please use wires with a cross section of 0.75~1.5mm<sup>2</sup> for TB1 and wires with a cross section of 0.5~1.5mm<sup>2</sup> for TB2.

#### Terminal Pin No. Assignment(TB1)

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

#### Terminal Pin No. Assignment(TB2)

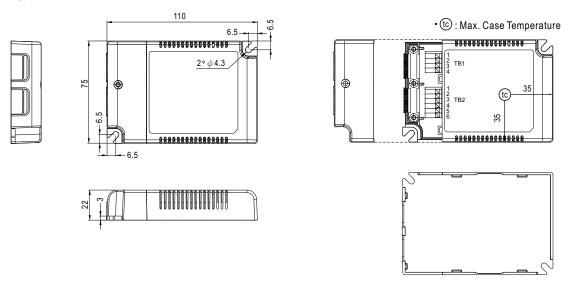
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Pin No.	Assignment
1	DIM-
2	DIM+
3	Vo-
4	Vo+



### 25W Constant Current Mode LED Driver

## IDLC-25 series

※ А-Туре



NOTE: Please use wires with a cross section of  $0.75 \sim 1.5$  mm<sup>2</sup> for TB1 and wires with a cross section of  $0.5 \sim 1.5$  mm<sup>2</sup> 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