

Наличие и актуальные цены на

IDPC-45-700

https://www.mean-well.ru/store/IDPC-45-700/



IDPC-45 series







Applications

GTIN CODE

LED panel lighting

LED flood lighting

Indoor LED lighting

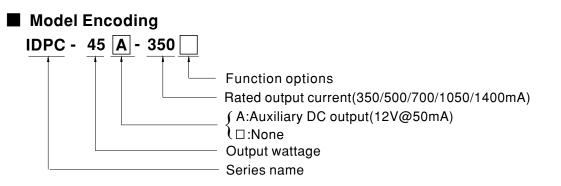
MW Search: https://www.meanwell.com/serviceGTIN.aspx

Features

- Constant Current mode output
- Flicker free design
- PCB type design
- Built-in active PFC function
- No load power consumption<0.5W(Blank-Type), Standby power consumption<0.5W(DA-Type)
- Function options: 2 in 1 dimming (dim-to-off); Auxiliary DC output; DALI
- 3 years warranty

Description

IDPC-45 series is a 45W PCB type LED AC/DC driver featuring the constant current mode output with flicker free design. IDPC-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 $-20^{\circ}C + 40^{\circ}C$ ambient temperature under free air convection. IDPC-45 is equipped with various function options, such as dimming methodologies, so as to provide the optimal design flexibility for lighting system.



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

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



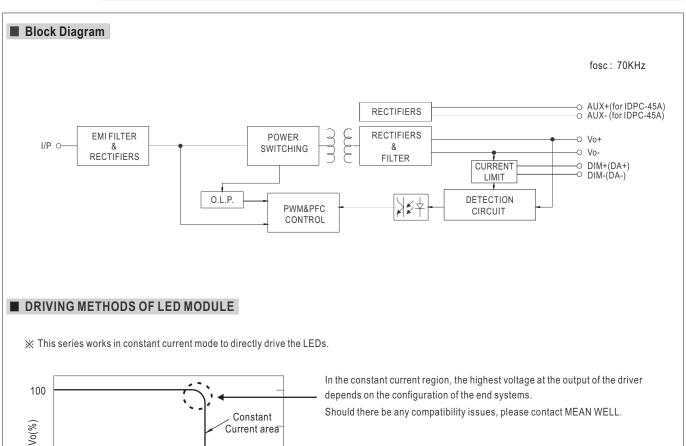
SPECIFICATION

MODEL		IDPC-45350	IDPC-45500_	IDPC-45700_	IDPC-45 -1050	IDPC-451400		
	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		
OUTPUT	OPEN CIRCUIT VOLTAGE(max.)	118V	115V	84V	63V	50V		
	CURRENT RIPPLE	5% max. @rated current						
	CURRENT TOLERANCE	±7.0%						
	SETUP TIME Note.4	500ms / 230VAC 120	0ms/115VAC					
	AUXILIARY DC OUTPUT Note.5	Nominal 12V(deviation 7	11.4~12.6)@50mA for ID	PC-45A only				
	VOLTAGE RANGE Note.3	90 ~ 295VAC 127 ~ 417VDC (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≧60%/115VAC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION" section)						
	EFFICIENCY (Typ.)	86%	85%	85%	86%	85%		
	AC CURRENT	0.6A/115VAC 0.4A/230VAC 0.3A/277VAC						
	INRUSH CURRENT (Typ.)	COLD START 30A(twidth=100 μs 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 consumption	TION 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.	Ta=-20 ~ +40°C (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
ENVIRONMENT	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 STANDARDS	UL8750, CSA C22.2 NO.250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13, BS EN/EN62384, EAC TP TC 004 approved						
	DALI STANDARDS	Compliance to IEC62386-101, 102 for DA-Type only						
CALETY 0	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 ≥ 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						
	MTBF	3710.5K hrs min. Telcordia SR-332 (Bellcore) ;434.9K hrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	120*66.5*25mm(L*W*H)						
	PACKING	0.14Kg; 81pcs/ 12.5Kg/ 1.32CUFT						
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Please refer to "DRIVING METHODS OF LED MODULE". De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 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. 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. 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. The DALI version driver does not support the bit 1: Lamp failure in the Command 144 Query status of the DALI standard. 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. X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx 							



60 (min.)

IDPC-45 series



50 100 Io(%)

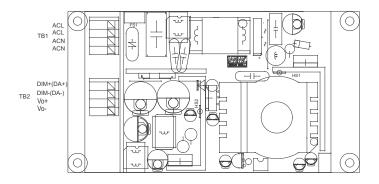
Hiccup
 Protection

Typical output current normalized by rated current (%)



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■ DIMMING OPERATION



※ 2 in 1 dimming function

 Output constant current level can be adjusted by applying one of the two methodologies between DIM+ and DIM-: 0 ~ 10VDC, or 10V PWM signal.

> 100% 90% 80%

> > 70%

50%

40% 30%

20%

10%

0%

100% 90% 80%

70%

50%

40% 30%

20%

10%

0%

Output current (%) 60%

0V 1V 2V 3V 4V 5V 6V 7V 8V 9V

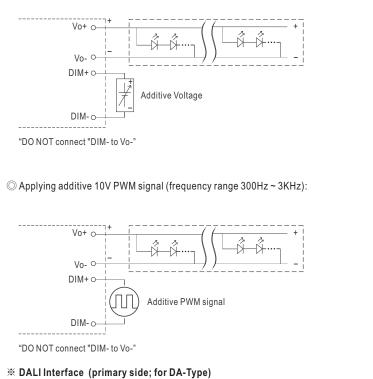
Dimming input: Additive voltage

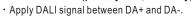
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Duty cycle of additive 10V PWM signal dimming input

Output current (%) 60%

• Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.

O Applying additive 0 ~ 10VDC





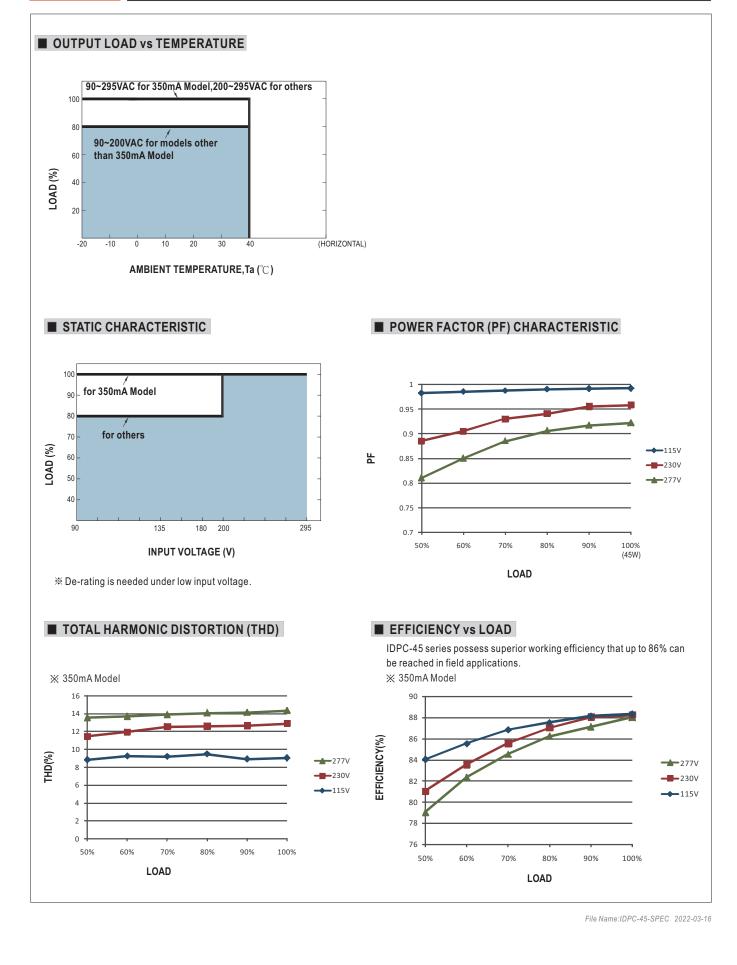
- · DALI protocol comprises 16 groups and 64 addresses.
- First step is fixed at 8% of output.

Note : 1. Min. dimming level is about 8% and the output current is not defined when 0%< Iout<8%.

2. The output current could drop down to 0% when dimming input is about 0Vdc or 10V PWM signal with 0% duty cycle.

10V



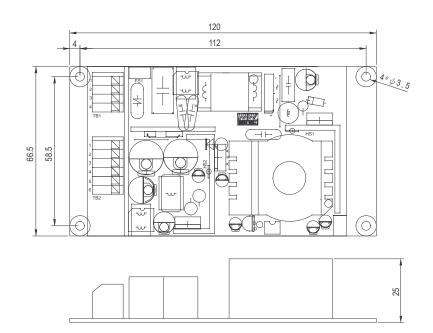




IDPC-45 series

MECHANICAL SPECIFICATION

Unit:mm



※ Terminal Pin No. Assignment(TB1)

	iai i iii iio ii iooigi
Pin No.	Assignment
1	ACL
2	ACL
3	ACN
4	ACN

※ Terminal Pin No. Assignment(TB2)	*	Terminal	Pin No	Assianment	(TB2)
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Pin No.	Assignment	Pin No.	Assignment
1	DIM+(DA+)	3	Vo+
2	DIM-(DA-)	4	Vo-

IDPC-45A

* Terminal Pin No. Assignment(TB2)

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

Installation Manual

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