



Features:

- · AC phase-cut dimming
- · Work with leading edge and trailing edge TRIAC dimmers
- 115VAC or 230VAC models available
- · Built-in active PFC function
- · Constant current design
- Protections: Short circuit / Over temperature
- Cooling by free air convection
- Fully isolated plastic case
- IP42 design
- Class 2 power unit
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)
- 100% full load burn-in test
- Low cost
- High reliability
- 3 years warranty
 IS 15885(Part 2/Sec13)

 R-41027766
 (for 350B,700B only)











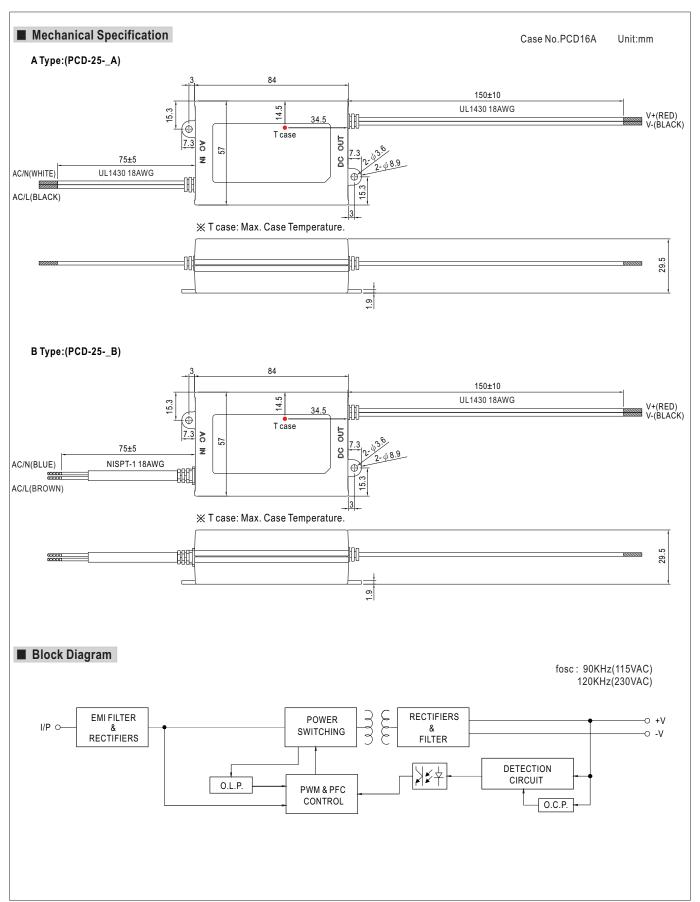
PCD-25-350 A : With AC input 90~ 135VAC.

B: With AC input 180~ 295VAC.

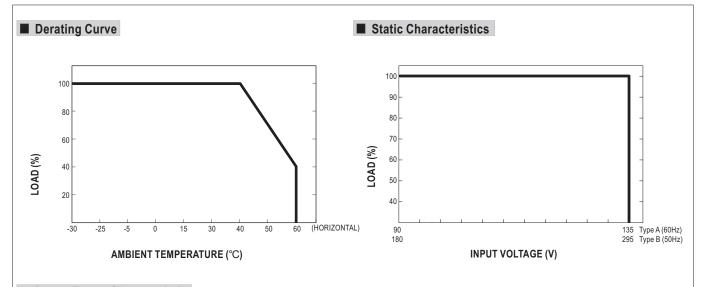
SPECIFICATION

MODEL		PCD-25-350	PCD-25-700	PCD-25-1050	PCD-25-1400 🗌	
RATED CURRENT		350mA	700mA	1050mA	1400mA	
OUTPUT RATED POWER RIPPLE & NOISE (max.) Note.1		40 ~ 58V	24 ~ 36V	16 ~ 24V	12 ~ 18V	
		±5.0%				
		20.3W	25.2W	25.2W	25.2W	
		4.6Vp-p	2.7Vp-p	2.2Vp-p	2Vp-p	
		60V	50V	35V	25V	
SETUP TIME		500ms / 230VAC 2000ms / 115VAC at full load				
FREQUENCY RANGE		47 ~ 63Hz				
POWER FACTOR (Typ.)		PF>0.9/115VAC, PF>0.9/230VAC, PF>0.9/277VAC at full load (Please refer to "Power Factor Characteristic" curve)				
TOTAL HARMONIC	A series	THD< 20% when output loading≧70% at 115VAC				
DISTORTION	B series	THD< 20% when output loading≧70% at 230VAC input and output loading≧80% at 277VAC input				
EFFICIENCY (Typ.)		82%	81%	80.5%	80%	
AC CURRENT (Typ.)		0.6A/115VAC 0.3A/23	30VAC 0.2A/277VAC			
INRUSH CURRENT(max.)		COLD START 10A(twidth=20µs measured at 50% lpeak) at 115VAC / 230VAC				
MAX. No. of PSUs on 16A CIRCUIT BREAKER	A series	37 units (circuit breaker of type B) / 37 units (circuit breaker of type C) at 115VAC				
	B series	80 units (circuit breaker of type B) / 80 units (circuit breaker of type C) at 230VAC				
LEAKAGE CURRENT	Г	<0.5mA 120VAC / 240VAC				
SHORT CIRCUIT		Hiccup mode, recovers automatically after fault condition is removed.				
TECTION OVER TEMPERATURE		Shut down o/p voltage, re-power on to recover				
WORKING TEMP.		-30 ~ +60°C (Refer to "Derating Curve")				
WORKING HUMIDITY STORAGE TEMP., HUMIDITY		20 ~ 95% RH non-condensing				
		-40 ~ +80°C, 10 ~ 95% RH				
TEMP. COEFFICIENT		±0.03%/°C (0~50°C)				
VIBRATION		10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes				
SAFETY STANDARDS		UL8750, CSA C22.2 No. 250.0-08, ENEC BS EN/EN613471, BS EN/EN61347-2-13, BS EN/EN62384(for B type only), BIS IS15885(for 350B,700B only), EAC TP TC 004,IP42 approved; design refer to UL60950-1, BS EN/EN61347-1, BS EN/EN61347-2-13				
ETY & 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 (B type only), BS EN/EN61000-3-2 Class C; BS EN/EN61000-3-3, FCC part 18 non-consumer equipment (A type only), EAC TP TC 020				
EMC IMMUNITY		Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55024,BS EN/EN61547, light industry level, criteria A, EAC TP TC 020				
MTBF		906.5K hrs min. MIL-HD	DBK-217F (25°C)			
HERS DIMENSION		84*57*29.5mm (L*W*H)				
PACKING		0.19Kg; 72pcs/14.7Kg/0.92CUFT				
1. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 2. Direct connecting to LEDs is suggested, but is not suitable for using additional drivers. 3. 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. 4. 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) 5. 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 ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx						
	OPERATING VOLTAGE CURRENT ACCURAGE RATED POWER RIPPLE & NOISE (ma NO LOAD OUTPUT VOLT SETUP TIME FREQUENCY RANGE POWER FACTOR (TY TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT(IT MAX. NO. of PSUS on 16A CIRCUIT OVER TEMPERATUR WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HU TEMP. COEFFICIENT VIBRATION SAFETY STANDARD WITHSTAND VOLTAGE ISOLATION RESISTA EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Ripple & noise an 2. Direct connecting 3. To fulfill requirement connected to the 4. The ambient temy 5. For any applicatic https://www.mear	OPERATING VOLTAGE RANGE CURRENT ACCURACY RATED POWER RIPPLE & NOISE (max.) Note.1 NO LOAD OUTPUT VOLTAGE (max.) SETUP TIME FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION AC CURRENT (Typ.) INRUSH CURRENT(max.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT WORKING TEMP. WORKING TEMP. WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Ripple & noise are measure 2. Direct connecting to LEDs i 3. To fulfill requirements of the connected to the mains. 4. The ambient temperature of https://www.meanwell.com//	RATED CURRENT OPERATING VOLTAGE RANGE 40 ~ 58V CURRENT ACCURACY RATED POWER RIPPLE & NOISE (max.) Note.1 NO LOAD OUTPUT VOLTAGE (max.) FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION B series THD< 20% when output load B series THD< 20% on 16A CIRCUIT B series THD< 20% when output load B series THD< 20% when out	RATED CURRENT OPERATING VOLTAGE RANGE 40 ~ 58V 24 ~ 36V CURRENT ACCURACY ±5.0% RATED POWER RIPPLE & NOISE (max.) Note.1 4.6Vp-p NO LOAD OUTPUT VOLTAGE (max.) 500ms / 230VAC 2000ms / 115VAC at full load FREQUENCY RANGE FREQUENCY RANGE FREQUENCY RANGE FREQUENCY RANGE A series THD< 20% when output loading≥70% at 125VAC input at 15VAC B series THD< 20% when output loading≥70% at 230VAC input at 23	RATED CURRENT 350mA	

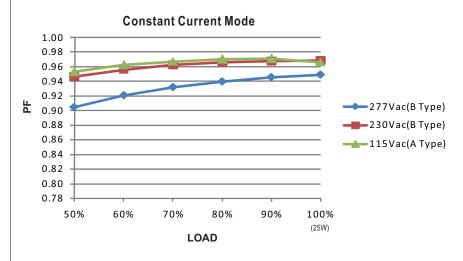






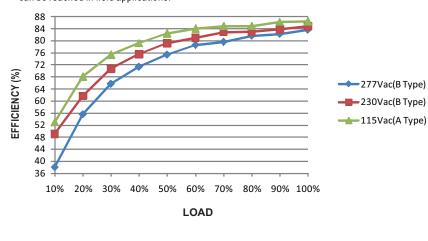


■ Power Factor Characteristic



■ EFFICIENCY vs LOAD (PCD-25-350)

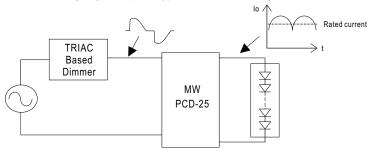
PCD-25 series possess superior working efficiency that up to 86% can be reached in field applications.





■ AC Dimming Operation

 \odot The following diagram depicts a typical installation utilizing the PCD-25 :



Under direct driving, the power supply will work in "constant current mode (CC)" and output voltage of the power supply will be clamped by sum of forward voltage (VF) of the LED strip.

O Dimmer Compatibility Chart

Manufacturer	Dimmer Model		
LUTRON	SKYLARK SF-12P-277	(277VAC / 60Hz)	
LUTRON	DVF-103P-277	(277VAC / 60Hz)	
LUTRON	SKYLARK SF-10P	(120VAC / 60Hz)	
LUTRON	SKYLARK S-600P	(120VAC / 60Hz)	
LUTRON	SKYLARK DVF-103P	(120VAC / 60Hz)	
LEVITON	ILLUMATECH TM Cat.No.IP106	(120VAC / 60Hz)	
LEVITON	SURESLIDE TM Cat.No.6633-P	(120VAC / 60Hz)	
LEVITON	SURESLIDE TM Cat. NO.6615-P	(120VAC / 60Hz)	
JUNG	Licht-Management 225 TDE	(230VAC / 50Hz)	
JUNG	Licht-Management 225 NV DE	(230VAC / 50Hz)	
BERKER	Tronic-Drehdimmer 286710	(230-240VAC / 50Hz)	
Bodo Ehmann LICHTREGLER	T39.01	(230VAC / 50Hz)	
CLIPSAL	32E450UDM	(220-240VAC / 50Hz)	
CLIPSAL	NO 32E450TM	(220-240VAC / 50Hz)	

Conduction angle: 30 degrees(min.) / 180 degrees(max.)