



Наличие и актуальные цены на

**PLD-40-350B**

<https://www.mean-well.ru/store/PLD-40-350B/>



# 40W Single Output LED Power Supply

# PLD-40 series



### ■ Features :

- 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 II power unit, no FG
- 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



### ■ GTIN CODE

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

IS 15885(Part 2/Sec13)

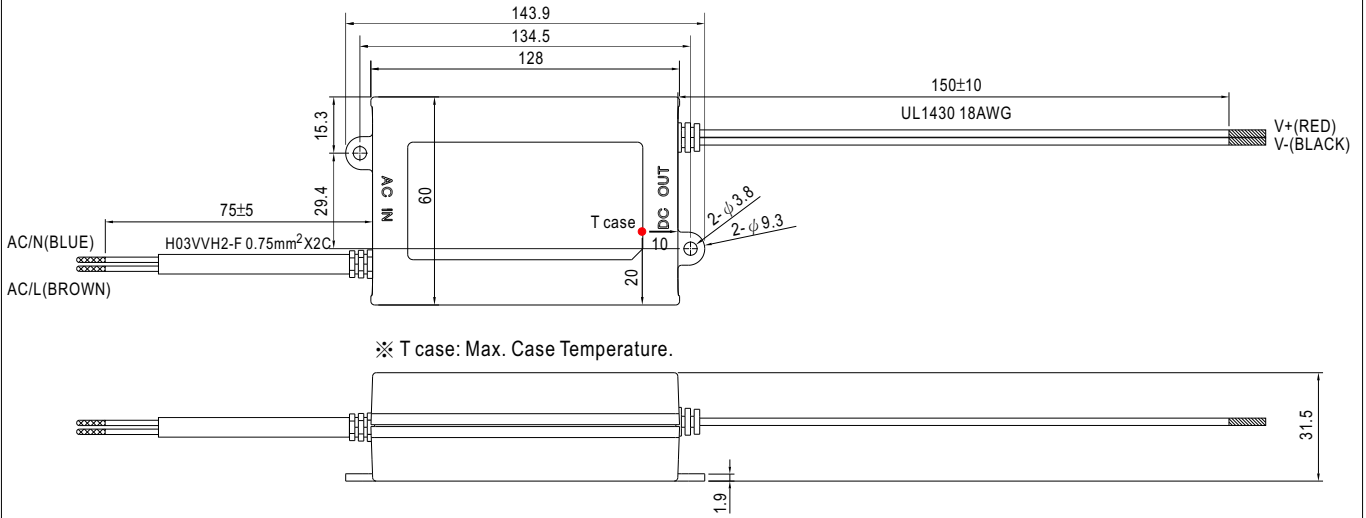


### SPECIFICATION

| MODEL                  | PLD-40-350B   | PLD-40-500B  | PLD-40-700B | PLD-40-1050B | PLD-40-1400B | PLD-40-1750B |          |
|------------------------|---|--|-------------|--------------|--------------|--------------|----------|
| OUTPUT                 | <b>RATED CURRENT</b>  | 350mA  | 500mA       | 700mA        | 1050mA       | 1400mA       | 1750mA   |
|                        | <b>OPERATING VOLTAGE RANGE</b>  | 70 ~ 108V  | 45 ~ 80V    | 34 ~ 57V     | 22 ~ 38V     | 17 ~ 29V     | 13 ~ 23V |
|                        | <b>CURRENT ACCURACY</b>   | ±5.0%  |             |              |              |              |          |
|                        | <b>RATED POWER</b>  | 37.8W  | 40W         | 39.9W        | 39.9W        | 40.6W        | 40.25W   |
|                        | <b>RIPPLE &amp; NOISE (max.)</b> Note.1   | 9.5Vp-p  | 5.0Vp-p     | 3.1Vp-p      | 2.6Vp-p      | 2.5Vp-p      | 2.4Vp-p  |
|                        | <b>NO LOAD OUTPUT VOLTAGE (max.)</b>  | 118V   | 100V        | 63V          | 50V          | 35V          | 35V      |
| <b>SETUP TIME</b>      | 500ms / 230VAC at full load   |  |             |              |              |              |          |
| INPUT                  | <b>VOLTAGE RANGE</b>  | 180~295VAC   |             |              |              |              |          |
|                        | <b>FREQUENCY RANGE</b>  | 47 ~ 63Hz  |             |              |              |              |          |
|                        | <b>POWER FACTOR (Typ.)</b>  | PF>0.9/230VAC, PF>0.9/277VAC at full load (Please refer to "Power Factor Characteristic" curve)  |             |              |              |              |          |
|                        | <b>TOTAL HARMONIC DISTORTION</b>  | THD< 20% when output loading≥60%(PLD-40-350B loading≥65%)at 230VAC input and output loading≥75% at 277VAC input                          |             |              |              |              |          |
|                        | <b>EFFICIENCY (Typ.)</b>  | 88%  | 88%         | 87%          | 87%          | 86%          | 86%      |
|                        | <b>AC CURRENT (Typ.)</b>  | 0.35A/230VAC   |             | 0.3A/277VAC  |              |              |          |
|                        | <b>INRUSH CURRENT(Typ.)</b>   | COLD START 25A (twidth=60μs measured at 50% Ipeak) at 230VAC   |             |              |              |              |          |
|                        | <b>MAX. No. of PSUs on 16A CIRCUIT BREAKER</b>  | 47 units (circuit breaker of type B) / 47 units (circuit breaker of type C) at 230VAC  |             |              |              |              |          |
| <b>LEAKAGE CURRENT</b> | <0.5mA / 240VAC   |  |             |              |              |              |          |
| PROTECTION             | <b>SHORT CIRCUIT</b>  | Hiccup mode, recovers automatically after fault condition is removed.  |             |              |              |              |          |
|                        | <b>OVER TEMPERATURE</b>   | Shut down o/p voltage, auto-recovery   |             |              |              |              |          |
| ENVIRONMENT            | <b>WORKING TEMP.</b>  | -30 ~ +50°C (Refer to "Derating Curve")  |             |              |              |              |          |
|                        | <b>WORKING HUMIDITY</b>   | 20 ~ 95% RH non-condensing   |             |              |              |              |          |
|                        | <b>STORAGE TEMP., HUMIDITY</b>  | -40 ~ +80°C, 10 ~ 95% RH   |             |              |              |              |          |
|                        | <b>TEMP. COEFFICIENT</b>  | ±0.03%/°C (0 ~ 50°C)   |             |              |              |              |          |
|                        | <b>VIBRATION</b>  | 10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes  |             |              |              |              |          |
| SAFETY & EMC           | <b>SAFETY STANDARDS</b>   | ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384, BIS IS15885(for 350B,700B,1050B only), EAC TP TC 004, IP42 approved |             |              |              |              |          |
|                        | <b>WITHSTAND VOLTAGE</b>  | I/P-O/P:3.75KVAC   |             |              |              |              |          |
|                        | <b>ISOLATION RESISTANCE</b>   | I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH   |             |              |              |              |          |
|                        | <b>EMC EMISSION</b>   | Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C ; BS EN/EN61000-3-3, EAC TP TC 020  |             |              |              |              |          |
|                        | <b>EMC IMMUNITY</b>   | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, light industry level(Surge 2KV), criteria B, EAC TP TC 020                  |             |              |              |              |          |
| OTHERS                 | <b>MTBF</b>   | 4826.5K hrs min. Telcordia SR-332 (Bellcore) ; 865.2Khrs min. MIL-HDBK-217F (25°C)   |             |              |              |              |          |
|                        | <b>DIMENSION</b>  | 128*60*31.5mm (L*W*H)  |             |              |              |              |          |
|                        | <b>PACKING</b>  | 0.22Kg;30pcs/7.6Kg/0.58CUFT  |             |              |              |              |          |
| NOTE                   | 1. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.<br>2. Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.<br>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.<br>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).<br>5. For any application note and IP water proof function installation caution, please refer our user manual before using.<br><a href="https://www.meanwell.com/Upload/PDF/LED_EN.pdf">https://www.meanwell.com/Upload/PDF/LED_EN.pdf</a><br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |  |             |              |              |              |          |

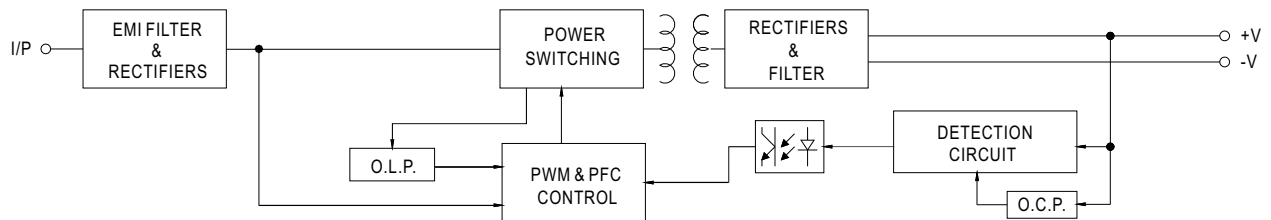
■ Mechanical Specification

Case No.:PCD40A Unit:mm Tolerance:±1

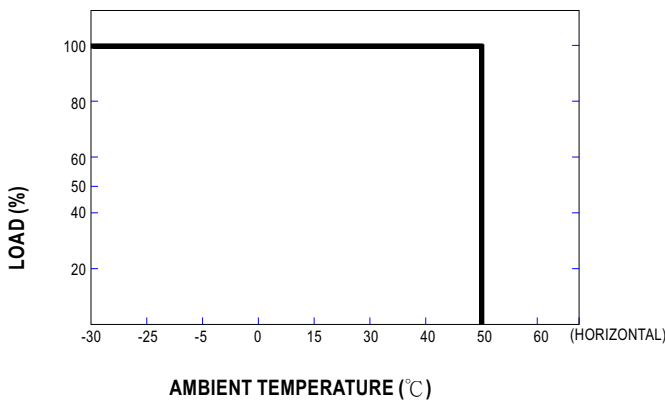


■ Block Diagram

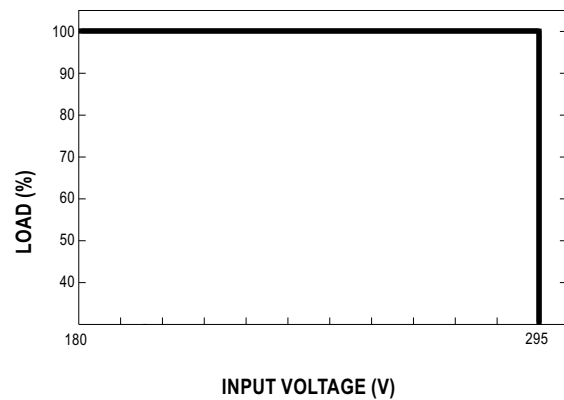
fosc :60KHz(230VAC)



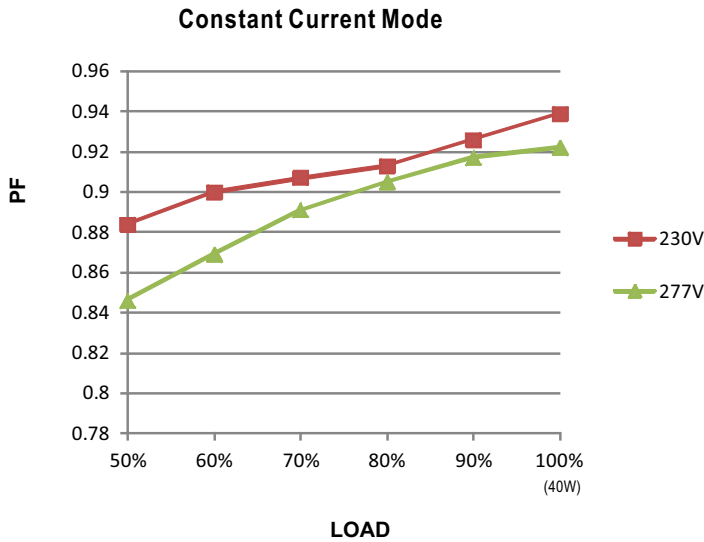
■ Derating Curve



■ Static Characteristics



■ Power Factor Characteristic



■ EFFICIENCY vs LOAD (PLD-40-500B)

PLD-40 series possess superior working efficiency that up to 88% can be reached in field applications.

