

Powerland's **PLD075-1TCF3A** is a super slim constant current driver with wide-range dimmable output current and 108~305Vac universal input.

The output current of this series is up to 2A with external resistor current setting, and designed for 0-10V dimming applications



Applications

- Indoor LED lights
- LED lights with flexible current settings
- LED troffers, LED fixture with super slim form factors



Specifications

| Model | Max. Output Power | Input Voltage | Output Voltage Range | Max. Output Current | Efficiency | Max. Case Temperature | THD | Power Factor | Dimensions |
|--------------------|-------------------|---------------|----------------------|---------------------|------------|-----------------------|------|--------------|-------------|
| PLD075-1TCF3A-2000 | 75W | 108~305Vac | 27~54V | 2000mA | 91.0% | 90°C | <20% | >0.95 | 428x31x26mm |

* Based on 25°C ambient temperature, rated input voltage, and full load.

** Refer to the next page for detailed specifications for this series of LED drivers.

Features

- 100,000 hours lifetime at 65°C Tcase
- 5 years warranty at 50°C Tcase
- Constant current output
- Compatible with 0-10V dimming
- Output current settable with external resistor
- Universal input voltage: 108~305Vac
- Safety according to UL1310 & EN61347-2-13
- UL Class 2 output
- EMC according to FCC Part 15 Class B
- Lightning, OVP, SCP, OTP & Open Circuit Protection

Electrical Specifications

| | |
|--|---|
| Model | PLD075-1TCF3A-2000 |
| Output Voltage | 27~54V |
| Output Current | 700~2000mA |
| Dimming | 0-10V Dimming |
| Current Setting with External Resistor | Yes |
| Output Power | 75W |
| Max. Current Ripple | 200mA |
| Voltage Range | 108~305Vac |
| Frequency Range | 47~63Hz |
| Max. Input Current | 0.9A |
| Max. Input Power | 86W |
| Power Factor | >0.95 @ 115Vac & 80~100% load, >0.90 @ 277Vac & 80~100% load |
| Efficiency | 91.0% |
| Max. Open Circuit Voltage | 60V |
| Ingress Protection | IP20 |
| THD | <20% @ 120Vac/230Vac/277Vac & 80~100% full load |
| Protections | OVP, OCP, SCP, OTP & Open Circuit Protection |
| Environmental Protection | UL Dry & Damp |
| Working Temperature | -20~+50°C |
| Max. Case Temperature | 90°C |
| Surge Protection | 1kV/2kV |
| ANSI Surge Type | 1.2/50µs Combination Wave (w/t 2Ω) |
| Agency Approbations | UL1310 Class 2 & EN61347-2-13 |
| Electromagnetic Compliance | Per Title 47 CFR Part 15 Class B |
| Isolation | Primary to Secondary: 3750Vac / 10mA _{Max} / 60seconds |
| Dimension | 428x31x26mm |
| Mounting Length | 418.5mm |
| Overall Length | 428mm |
| Weight | 0.44kg |
| Life Time | 100,000 hours @ full load, 65°C T _{case} |

* Unless otherwise noted, the data are based on 25°C ambient temperature, 230Vac input voltage, and full load.