

**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
<b>PLD075-1TCF3A-2000</b>	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 <sub>Max</sub> / 60seconds
Dimension	428x31x26mm
Mounting Length	418.5mm
Overall Length	428mm
Weight	0.44kg
Life Time	100,000 hours @ full load, 65°C T <sub>case</sub>

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