

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

Output Voitage 27-54V Output Current 700-2000mA Dimming 0-10V Dimming Current Setting with External Resistor Yes Output Power 75W Max. Current Ripple 200mA Voitage Range 108-306Vac Frequency Range 47-63Hz Max. Input Dower 0.9A Max. Input Owner 0.9A Max. Input Owner 9.9A Max. Input Owner 9.9B (M) Power Factor >0.95 (§) 115Vac & 80-100% load, 200 (§) 277Vac & 80-100% load Efficiency 91.0% Max. Open Circuit Voitage 60V Ingress Protection 1P20 THD <20% (§) 120Vac/230Vac/277Vac & 80-100% load Protections 0/VP, OCP, SCP, OTP & Open Circuit Protection Environmental Protection UL Dry & Damp Working Temperature 20-50°C Max. Case Temperature 90°C Surge Protection UL 1310 Class 2 & ENB 1347.2-13 Electromagnetic Compliance Per Title 47 CFR part 15 Class B Solation Piritite 47 CFR part 15	Model	PLD075-1TCF3A-2000					
Dimming0-10V DimmingCurrent Setting with External ResistorYesOutput Power75WMax. Current Ripple200mAVoltage Range108-305VacFrequency Range47-63HzMax. Input Current0.8AMax. Input Current0.9AMover Factor>0.95 (() 15Vac & 80-100% load) >0.90 (() 277Vac & 80-100% load)Efficiency91.0%Max. Open Circuit Voltage60VIngress ProtectionIP20THD<20% (() 20Vac/230Vac/277Vac & 80-100% full load)Protections0VP, OCP, SCP, OTP & Open Circuit ProtectionEnvironmental ProtectionUL Dry & DampWorking Temperature90°CSurge Protection11/220%AkSI Surge Type11.250µs Combination Wave (wt 20)Agercy ApprotationsUL 1310 Class 2 & EN613472-13Electromagnetic CompliancePeri Tife 47 CFR Part 15 Class BIsolationPrimary to Secondary: 3750Vac / 10mAMax / 60secondsDimension428x31x26mmMaxunting Length418.5mmOverall Length428mmWeight0.444g	Output Voltage	27~54V					
Current Setting with External Resistor Yes Output Power 75W Max. Current Ripple 200mA Votage Range 108-305Vac Frequency Range 47-63Hz Max. Input Current 0.9A 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 Votage 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 20-450°C Surge Protection 11/2/50µs Combination Wave (wt 2Ω) Agency Approbations UL 1310 Class 2 & E N61347-2-13 Electromagnetic Compliance Per Title 47 CFR Part 15 Class B Isolation Primary to Secondary: 3750Vac / 10mAMax / 60seconds Dimension 428x31x28mm Mounting Length 418.5mm Overelil Length 428xm <th>Output Current</th> <th>700~2000mA</th>	Output Current	700~2000mA					
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Nax. Current Ripple200mAVoltage Range108-305VacFrequency Range47-63HzMax. Input Current0.9AMax. Input Power86WPower Factor>0.95 @ 115Vac & 80-100%, load > 0.90 @ 277Vac & 80-100%, loadEfficiency91.0%Max. Open Circuit Voltage60VIngress ProtectionIP20THD<20% @ 120Vac/230Vac/277Vac & 80-100%, full loadProtections0VP, OCP, SCP, OTP & Open Circuit ProtectionEnvironmental ProtectionUL Dry & DampWorking Temperature20~-50°CSurge Protection1.250µs Combination Wave (wt 20)Agercy ApprobationsUL 1310 Class 2 & EN61347-2-13Electromagnetic CompliancePer Trite 47 CFR Pat 15 Class BIsolationPrimary to Secondary, 3750Vac / 10mAMax / 60secondsDimension428x31x26mmMounting Length418.5mmOverall Length428mmWeight0.44kg	Current Setting with External Resistor	Yes					
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Frequency Range47-63HzMax. Input Current0.9AMax. Input Power86WPower Factor>0.95 @ 115Vac & 80-100% load. >0.90 @ 277Vac & 80-100% loadEfficiency91.0%Max. Open Circuit Voltage60VIngress ProtectionIP20THD<20% @ 120Vac/230Vac/277Vac & 80-100% full load	Max. Current Ripple	200mA					
Max. Input Current0.9AMax. Input Current0.9AMax. Input Power86WPower Factor>0.95 @ 115Vac & 80~100% load, >0.90 @ 277Vac & 80~100% loadEfficiency91.0%Max. Open Circuit Voltage60VIngress ProtectionIP20THD<20% @ 120Vac/230Vac/277Vac & 80~100% full load	Voltage Range	108~305Vac					
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Overall Length 428mm Weight 0.44kg	Dimension	428x31x26mm					
Weight 0.44kg	Mounting Length	418.5mm					
	Overall Length	428mm					
Life Time 100,000 hours @ full load, 65°C Tcase	Weight	0.44kg					
	Life Time	100,000 hours @ full load, 65°C Tcase					

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





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