



PLED-75W CC Series

Flicker-Free LED Driver

select|**SYNC**[™]
classic

Electrical Specifications

Input Voltage Range:	120-277 Vac Nom. (100-305 V Min/Max)
Input Over-Voltage:	Can endure 320Vac for 48 Hrs, 350Vac for 2 Hrs
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	≥ 0.90 at ≥ 60% Load, 120Vac/230Vac, ≥ 70% Load, 277Vac
Inrush Current:	35A max @ 120Vac, 50% I _{peak} = 750μsec, cold start 25°C
Input Current:	0.78 Max @ 120Vac
Maximum Power:	75W
Line Regulation:	± 3%
Load Regulation:	± 4%
THD:	≤ 20% at ≥ 60% Load, 120Vac/230Vac, ≥ 70% Load, 277Vac
Leakage Current:	400 μA
Hold Up Time:	40mS typical @ Full Load, 277Vac

Protections

Over-voltage:	No Damage, Auto Recovery after fault is removed
Over-current:	Constant Current Limiting Circuit
Short Circuit:	No Damage, Auto Recovery after fault is removed

Environmental Specifications

Max Case Life Temp:	66°C (5 year warranty)
Maximum Case Temp (UL):	90°C
Minimum Starting Temp:	-40°C
Class P:	UL8750, CSA 22.2 listed, UL Type HL
Storage Temperature:	-40°C to +85°C
Humidity:	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 55 Hz/2g, 30 minutes
Sound Rating:	Class A
MTBF:	474,000 Hours @ full load & 40°C ambient conditions per MIL-217F Notice 2
EMC:	FCC 47CFR Part 15 Class B @ 120Vac, Class A @ 277Vac
Weight:	19 oz. (538 g)

- Smallest Footprint Driver for this wattage
- Total Power: 75 Watts
- Constant Current, Dimming with Isolation
- Input Voltage: 120-277Vac Nom.
- UL Dry & Damp Location Rated
- IP67 & NEMA4
- cULus Listed, Class P
- UL Type HL Rated for Hazardous Locations
- Black Magic Thermal Advantage™ Aluminum Housing

Dimming Option:

0-10V & Resistance dimmable models include an extra two wires +Violet/-Pink on the output side. "-D" Compatible with most quality 0-10V wall dimmers. See page 3 for additional specifications.

Note: LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.



Constant Current Models

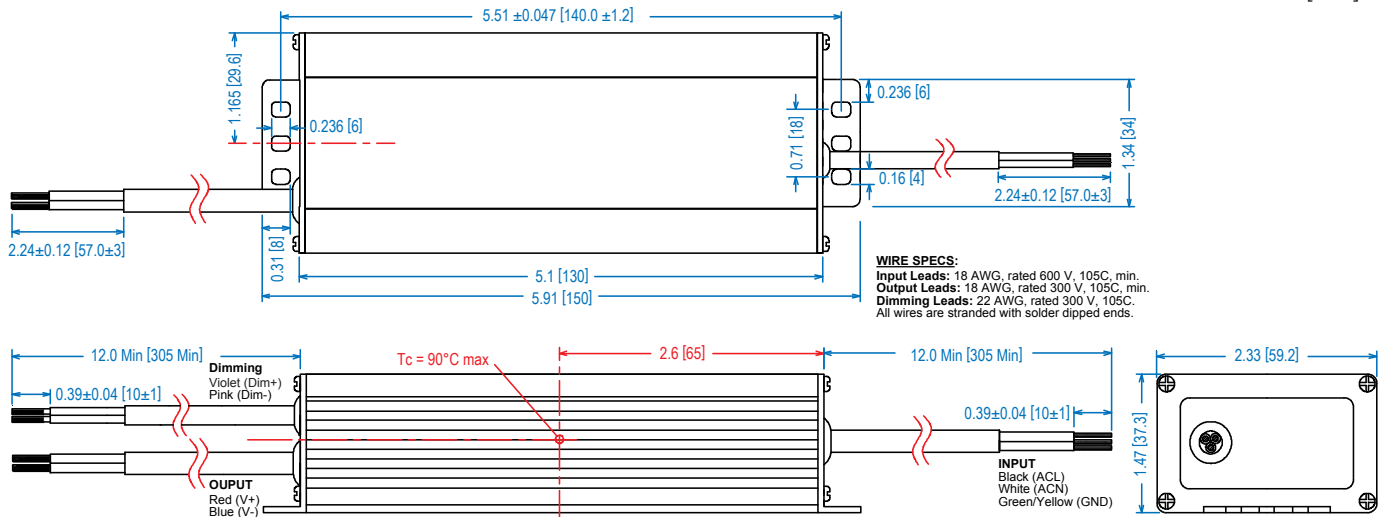
Model	Output Current (mA ±3%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Max Efficiency
PLED75W-214-C0350-XX	350	72-214	75	92%
PLED75W-166-C0450-XX	450	56-166	75	92%
PLED75W-108-C0530-XX	530	36-108	57.2	92%
PLED75W-108-C0700-XX	700	36-108	75	92%
PLED75W-072-C1050-XX	1050	24-72	75	91%
PLED75W-054-C1400-XX	1400	18-54	75	91%
PLED75W-048-C1560-XX	1560	16-48	75	90%
PLED75W-042-C1790-XX	1790	14-42	75	89%
PLED75W-036-C2100-XX	2100	12-36	75	89%
PLED75W-027-C2800-XX	2800	9-27	75	88%
PLED75W-024-C3130-XX	3130	8-24	75	88%

-XX indicates dimming options are available. See options at left. Blank = fixed current output.

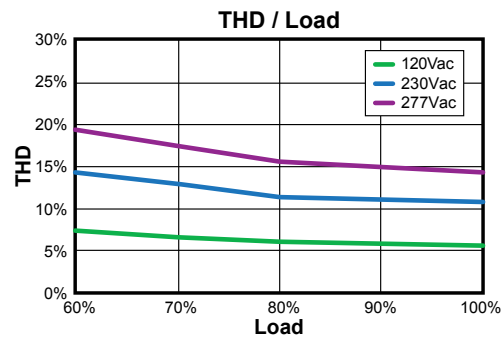
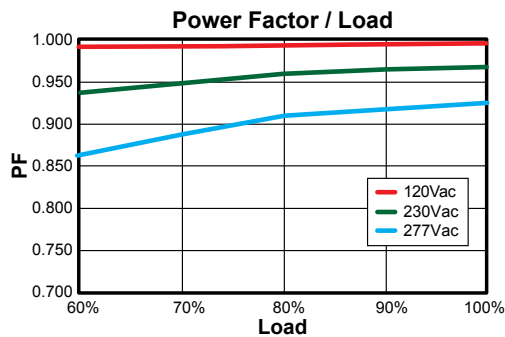
Safety Cert.	Standard
UL/CUL Listed	UL8750 & CAN/CSA-22.2 No. 250.13-12, UL1310/CSA-C22.2 No.223-M91 for Class 2, UL1012/CSA-C22.2 No.107.1 for Non-Class 2
CE	EN61347
EMC Standard	Notes
FCC, 47CFR Part 15	Class B @ 120Vac, Class A @ 277Vac
EN55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
EN 61000-3-2	Part 3-2: Limits for harmonic current emissions Class C, >80% Rated Power
EN 61000-3-3	Part 3-3: Limitation of voltage changes, voltage fluctuations and flicker.
EN 61000-4-5	Part 4-5: Surge Immunity test, 2 kV L-N, 4 kV L-G & N-G

Dimensions

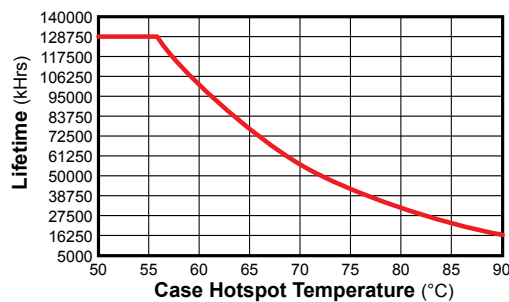
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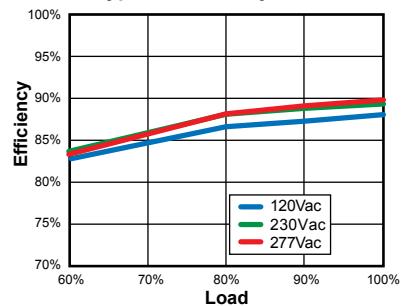
Power Characteristics



Lifetime / Case Temperature
Full Load @ 120Vac



Typical Efficiency / Load



Note: The area under the life-temperature curve represents where the driver has highly reliable operation within specification. Driver performance may drift out of published specifications as the hours of operation exceed the curve at a given temperature. Higher operating temperatures increase the chances of a failure to function. Other electrical, mechanical and environmental factors affect driver lifetime but are not represented in this calculation.

UL Conditions of Acceptability:
See website for additional information

"-D" Option: 0-10VDC and Resistance Dimming, Dims to Zero at < 1.0V

Parameters	Minimum	Typical	Maximum
Source Current out of 0-10V Violet Wire	0uA	—	250uA
Absolute Voltage Range on 0-10V (+) Violet Wire	-2.0V	—	+15V

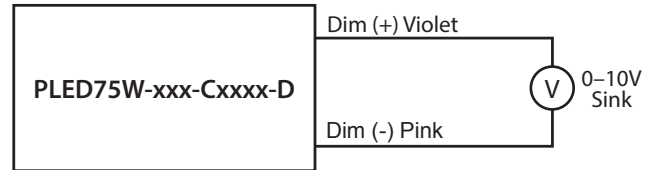
Notes:

1. -D 0-10V dimmable version comes with an extra two wires +Violet/-Pink on the output side.
2. -D version is compatible with most 0-10V Wall Slide dimmers and direct 0-10V analog signal.
Recommended wall slide dimmer is Leviton IP710 or equivalent
3. -D 0-10V dimmable version will be $\leq 5\%$ @ $\leq 1.0V$ or with Violet/Pink Shorted.
4. -D 0-10V dimmable version output will be 100% with Violet/Pink open and minimum with Violet/Pink Shorted.

-D 2-Wire Resistance Dimming Scheme



-D 2-Wire 0-10V Analog Dimming Scheme



% Output Current Vs. 0-10V DC Dimming Input

