



LED-75W Series– Fixed Output and Dimmable Switch Mode LED Drivers Constant Current & Constant Voltage with Isolation Black Magic Thermal Advantage™ Aluminum Housing

Electrical Specifications

Input Voltage Range:	100-277 Vac Nom. (90-305 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 @ full load, 100V through 277V
Inrush Current:	<30.0 Amps max @ 230 Vac, cold start 25°C
Input Current:	1.00 Amps max
Maximum Power:	75W
Current Accuracy:	± 1% Over input line variation
Load Regulation:	± 3%
THD:	≤ 20% @ full load
Leakage Current:	400 µA Typical
Hold Up Time:	Half Cycle
Protection:	Output Over-Voltage, Output Over-Current, and Output Short Circuit Protection reset by power cycling

Environmental Specifications

Minimum Starting Temp:	-30°C
Maximum Case Temp.	90°C
UL Type TL Rating:	Class 2: 90/62°C; Non-Class 2: 90/67°C
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:	478,000 Hours at full load and 40°C ambient conditions per MIL-217F Notice 2
EMC:	FCC 47CFR Part 15 Class B compliant

Ordering Options:

-D: 0-10V & Resistance dimmable version comes with an extra two wires +Purple/-Gray on the output side. -D 0-10V Dimming is compatible with most quality 0-10V wall dimmers. See page 3 for additional specifications.



- Total Power: 75 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- IP66
- High Power Factor
- UL Type HL Rated for Hazardous Locations

Constant Current - Product Specifications

Model Number	Output Current (mA ±3%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency
LED75W-257-C0300-XX	300	85-257	75	91%
LED75W-200-C0350-XX	350	66-200	70	91%
LED75W-128-C0600-XX	600	42-128	75	91%
LED75W-085-C0900-XX	900	28-85	75	90%
LED75W-064-C1200-XX	1200	21-64	75	90%
LED75W-056-C1400-XX	1400	18-56	75	90%
LED75W-048-C1600-XX	1600	16-48	75	90%
LED75W-036-C2100-XX	2100	12-36	75	89%
LED75W-030-C2500-XX	2500	10-30	75	89%
LED75W-027-C2800-XX	2800	9-27	75	88%
LED75W-025-C3000-XX	3000	8-25	75	88%
LED75W-022-C3400-XX	3400	7-22	74.8	88%
LED75W-020-C3750-XX	3750	7-20	75	87%
LED75W-018-C4200-XX	4200	6-18	75	86%
LED75W-015-C5000-XX	5000	5-15	75	86%

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

Constant Voltage - Product Specifications

Model Number	Output Voltage (Vdc ±5%)	Output Current Range (mA)	Max. Output Power (W)	Typical Efficiency
LED75W-015	15	1250-5000	75	86%
LED75W-018	18	1050-4200	75	86%
LED75W-020	20	938-3750	75	87%
LED75W-022	22	850-3400	74.8	88%
LED75W-025	25	750-3000	75	88%
LED75W-027	27	700-2800	75	88%
LED75W-030	30	625-2500	75	89%
LED75W-036	36	525-2100	75	89%
LED75W-048	48	400-1600	75	90%
LED75W-056	56	350-1400	75	90%
LED75W-064	64	300-1200	75	90%
LED75W-085	85	225-900	75	90%
LED75W-128	128	150-600	75	91%
LED75W-200	200	88-350	70	91%
LED75W-257	257	75-300	75	91%

Class 2: US/Canada

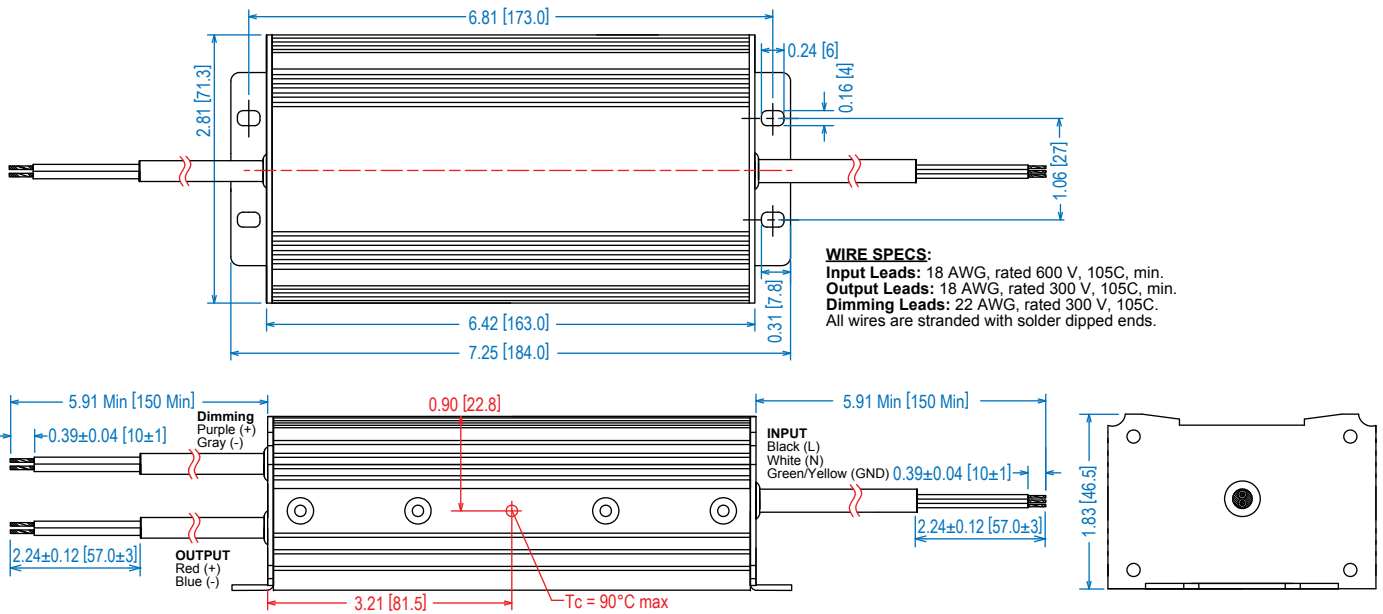
Rev 10-12-16



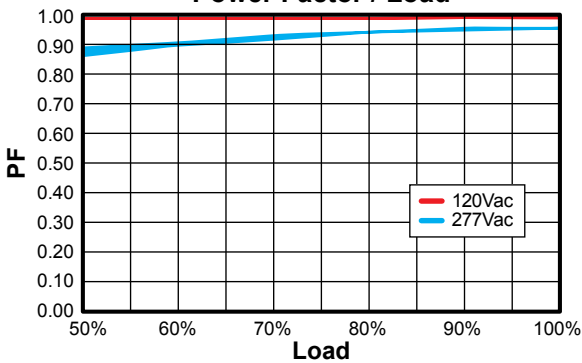
Note:
LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.
Specifications subject to change without notice.



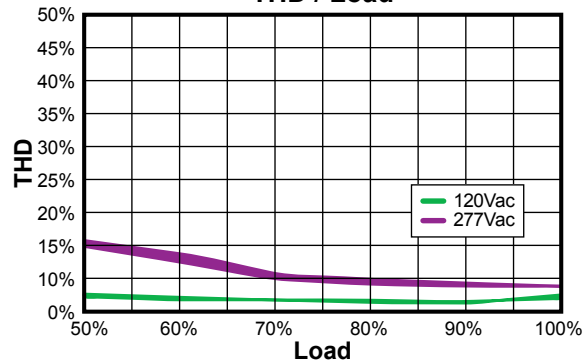
Dimensions - mm



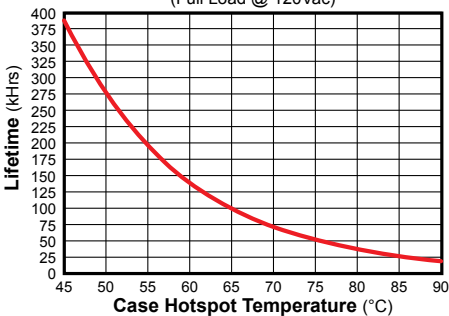
Power Factor / Load



THD / Load



Lifetime / Case Temperature (Full Load @ 120Vac)



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.

Safety Cert.	Standard
UL/CUL	UL8750 & CAN/CSA-22.2
CE	EN 61347
EMC Standard	Notes
FCC, 47CFR Part 15	Class B
EN 61000-3-2	
EN 61000-3-3	Class C
EN 61000-4-5	2 kV/4 kV 8/20µsec

UL Conditions of Acceptability

See website for additional information

“-D” Option: 0-10VDC and Resistance Dimming

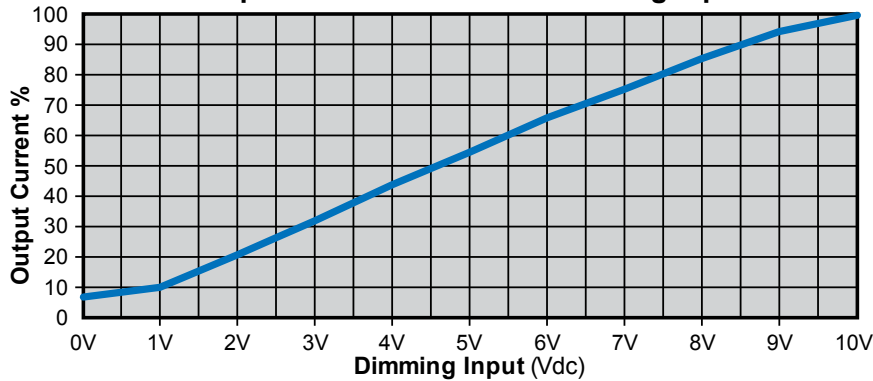
Parameters	Minimum	Typical	Maximum
Source Current out of 0-10V Purple Wire	0 mA	—	2 mA
Absolute Voltage Range on 0-10V (+) Purple Wire	-2.0 V	—	+15 V

Typical Dimming Circuit



(Dimmer must be current-sink type control)

Output Current / 0-10VDC Dimming Input



Notes:

1. 0-10V dimmable version comes with an extra two wires +Purple/-Gray on the output side.
2. Compatible with most 0-10V Wall Slide dimmers and direct 0-10V analog signal. Recommended dimmer is Leviton IP710 or equivalent
3. 0-10V dimmable version is not intended to dim below about 5% @ 0V or 10% @ 1.0V
4. 0-10V dimmable version output will be 100% with Purple/Gray open and minimum with Purple/Gray Shorted.