

# LED DRIVER WG18/19

Driver Series for 50W/60W

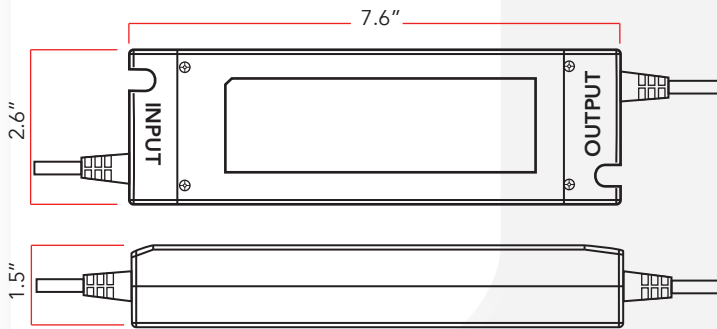


The LED Driver WG18 and WG19 series are suitable for 50W and 60W externally driven LED tube, strip, and panel applications.

**BUY HERE**



## DIMENSIONS



## FEATURES

- Universal AC input with full range
- High efficiency up to 90%
- Protection: short circuit/over current/over voltage
- Cooling by free air convection
- Built-in constant current limiting circuit
- High reliability
- Compliance to worldwide safety regulation for lighting
- UL file number E360175

## COMMON TECHNICAL DATA

INPUT						
Voltage Range	100-277VAC/382V					
Frequency Range	50-60Hz					
Power Factor	PF ≥ 0.98/120VAC, PF ≥ 0.90/277VAC/382VAC (at full load)					
AC Current	1.0A					
Leakage Current	< 0.75mA					
Inrush Current	20A/277VAC/382VAC					
THD	< 20%					
OUTPUT						
MODEL	ZY-DR-WG18-1	ZY-DR-WG18-2	ZY-DR-WG19-5	ZY-DR-WG18-3	ZY-DR-WG18-4	ZY-DR-WG19-6
Output Channel	Non-Dimmable	Non-Dimmable	Non-Dimmable	Non-Dimmable	Non-Dimmable	Dimmable
Rated Currency	1680mA	1680mA	1680mA	1500mA	1500mA	1500mA
DC Voltage	28-40V	28-40V	28-40V	28-40V	28-40V	28-40V
Input Voltage	AC100-382V	AC100-382V	AC100-382V	AC100-277V	AC100-277V	AC100-277V
Rated Power	60W	60W	60W	50W	50W	50W
Efficiency	91%					
Lifespan	50,000 Hours					
Current Accuracy	5%					
Line Regulation	1%					
Hold Up Time	30ms (at full load)					
Setup/Rise Time	300mS (at full load)					

# LED DRIVER WG18/19

Driver Series for 50W/60W



## COMMON TECHNICAL DATA *(cont'd)*

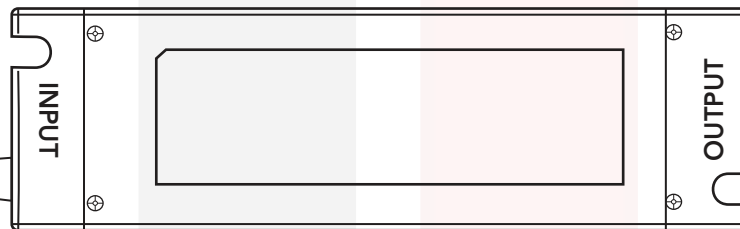
PROTECTION	
Over Current	105-110% Protection type: Constant current limiting, recovers automatically after fault condition is removed
Short Current	Hiccup mode, recovers automatically after fault condition is removed
Over Voltage	105-125% Protection type: Shut down output voltage

ENVIROMENT	
Working Temperature	-20 to 40°C
Working Humidity	20-95% RH non-condensing
Storage Temperature, Humidity	-40 to 60°C, 10-95% RH
Temperature Coefficient	0.03% / °C (0-40°C)
Vibration	10-500Hz, 2G 12 Min. / 1 Cycle period for 72 min. each along X, Y, Z axes

## WIRING CONNECTION

Wire Color	Assignment
Black	AC L
White	AC N

ACL (BLACK)  
ACL (WHITE)



LED+ (RED)  
LED- (BLK)

Wire Color	Assignment
Red	LED +
Black	LED -

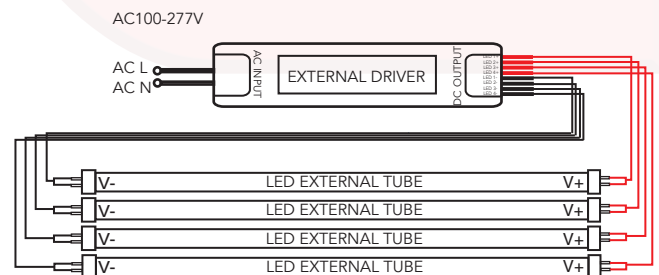
50W Driver Series	
Packing Size (inch)	16.2"x14.4"x14.8"
Quantity	100 pieces
Weight (lbs.)	59lbs.

60W Driver Series	
Packing Size (inch)	22"x13.8"x10"
Quantity	40 pieces
Weight (lbs.)	29lbs.

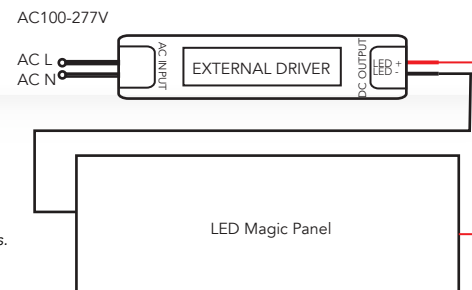
## APPLICATION

50W Series	Application Production	Model Name
ZY-DR-WG18-3	LED External Tube	ZY-T8-12W2400 BONT
ZY-DR-WG18-4	LED External Tube	ZY-T8-15W1800 BONT
ZY-DR-WG19-6	LED Magic Panel	ZY-P7-50W CDS

60W Series	Application Production	Model Name
ZY-DR-WG18-1 ZY-DR-WG18-2 ZY-DR-WG19-5	LED External Tube	ZY-T8-15W1200 BONT
	LED External Tube	ZY-T8-18W1200 BONT
	LED External Tube	ZY-T8-22W1200 BONT
	LED External Tube	ZY-T5-30W1200 BONT
	LED External Tube	ZY-T8-30W1800 BONT
	LED Magic Panel	ZY-P4-60W CNS



\* Image shown is one driver for 4 pieces of tubes



Note: One driver for 2, 3 or 4 tubes.  
One driver for 1 panel.