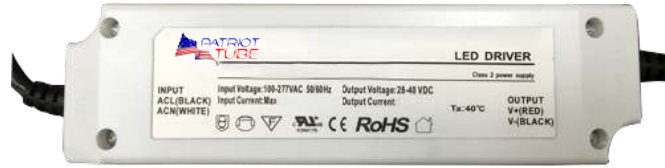




PROUDLY ASSEMBLED IN
USA

LED Driver WG21

36W-40W | Dimmable



PRODUCT DESCRIPTION

The PATRIOT LED DRIVER 50W/60W SERIES are suitable for external LED tube, strip and panel applications.

FEATURES

Universal AC input with full range
Energy savings 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
UL listed

INPUT	
Voltage Range	100-277VAC
Frequency Range	50-60Hz
Power Factor	PF ≥ 0.98/120VAC, PF ≥ 0.90/277VAC (at full load)
AC Current	0.80A
Leakage Current	< 0.75mA
Inrush Current	20A/277VAC
THD	< 20%

OUTPUT		
MODEL	PT-DR-WG21-1	PT-DR-WG21-3
Output Channel	1 Channel	1 Channel
Rated Current	900mA	1000mA
DC Voltage	40V	40V
Input Voltage	AC100-277V	AC100-277V
Rated Power	36W	40W
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)	

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

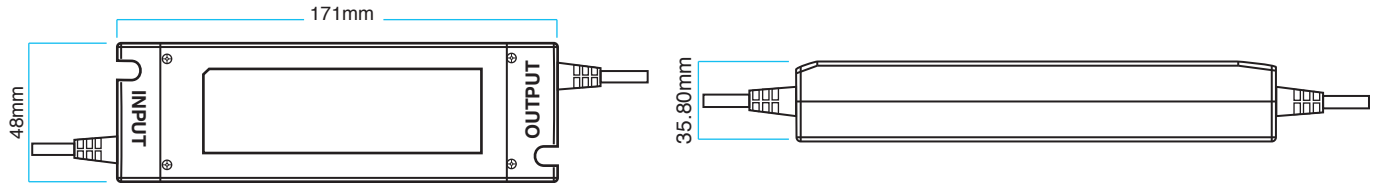
ENVIRONMENT	
Working Temperature	-20 to 40°C
Working Humidity	20-95% RH non-condensing
Storage Temperature, Humidity	-40 to 60°C, 10-95% RH
Temperature Coefficient	0.03% / °C (0-40°C)
Vibration	10-500Hz, 2G 12 Min. / 1 Cycle period for 72 min. each along X, Y, Z axes



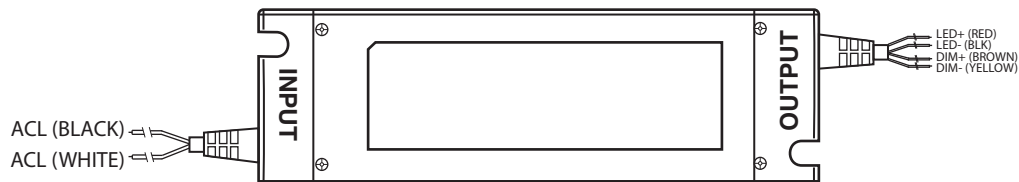
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MECHANICAL SPECIFICATION



WIRING CONNECTION



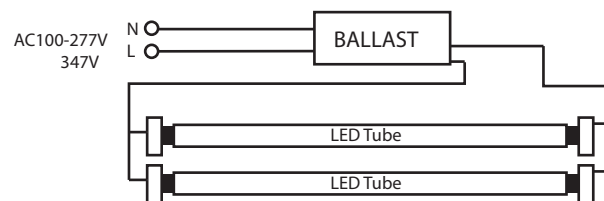
Wire Color	Assignment
Black	AC L
White	AC N

Packing Size (mm)	55.8x35.2x24.8
Quantity	40 pieces
Weight (KG)	10KG

Wire Color	Assignment
Red	LED +
Black	LED -

APPLICATION

Item	Application Production	Model Name
PT-DR-WG21-1	LED External Tube	PT-T8OLT2-10W
PT-DR-WG21-1	LED External Tube	PT-T8OLT3-10W
PT-DR-WG21-1	LED External Tube	PT-T8OLT4-12W
PT-DR-WG21-1	LED External Tube	PT-T8OLT4-22W
PT-DR-WG21-1	LED Panel	PP-1x4-40W
PT-DR-WG21-1	LED Panel	PP-2x2-40W



Note: One driver for 3 or 4 pieces of tubes.
One driver for 1 piece of panel.

REGULATORY & VOLUNTARY QUALIFICATIONS



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Home of the Patriot Tube