

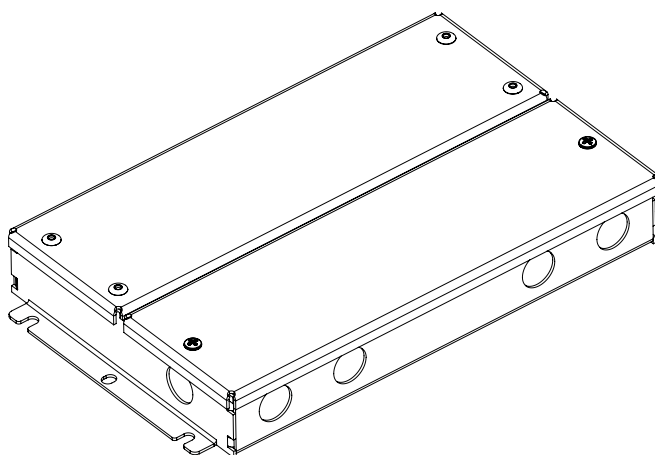
JOYOLIGHT

2020-04

JLN-30-24-JP2

SPEC

POWER



#12, 5200 Dixie Rd,
Mississauga, ON
Canada L4W 1E4
www.joyolight.ca
info@joyolight.com

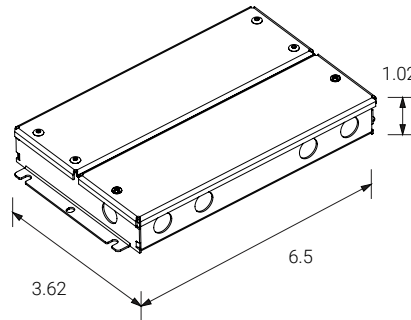
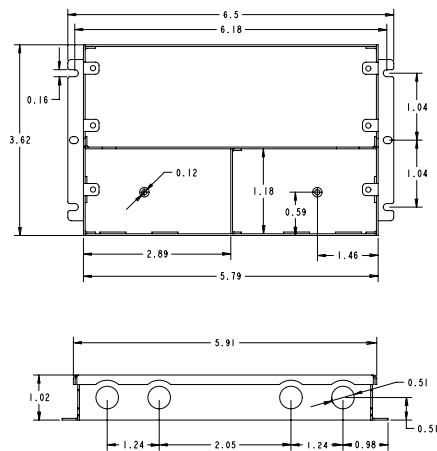
**Features**

- Output constant voltage
- UL, cUL listed, Class 2, Class P, Type HL
- Universal AC input: 100-277VAC
- Power Factor: up to 0.99
- High efficiency: up to 82%
- Protection: short circuit/over loading/ Over temperature
- Full protection aluminum housing, for dry, damp location
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications

Class 2
TYPE HL

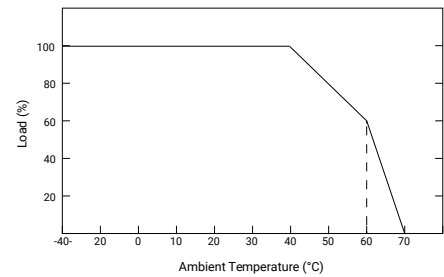
JLN-30-24-JP2		
Certification		FCC UL cUL Class 2
Output	DC Voltage	24V
	Rated Current	1.25A
	Rated Power	30W
	Voltage Tolerance	±0.5V
	Voltage Regulation	±0.5%
	Load Regulation	±1%
Input	Voltage Range	100-277VAC
	Frequency Range	47-63Hz
	Power Factor (Typ.) @ full load	0.99@120V 0.98@230V 0.96@277V
	THD (Typ.) @ full load	<15% @120V <20%@230V <20% @277V
	Efficiency (Typ.) @ full load	82%@120V 82%@230V 81%@277V
	AC Current (Max.)	0.5A (100VAC)
	Inrush Current (Typ.)	7A, 50%, 420us @120V; 30A, 50% 90us @230V; 12A 50% 480us @277V
	Leakage current	<0.5mA
Protection	Short Circuit	shut down o/p voltage, re-power on to recover after fault condition is removed
	Over Loading	≤120% shut down o/p voltage, re-power on to recover
	Over temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.
Environment	Working TEMP.	-40~+60°C (see below derating curve)
	Working Humidity	20~90%RH, non-condensing
	Storage TEMP. Humidity	-40~+80°C, 10~95%RH
	TEMP .coefficient	±0.03%/°C (0~50°C)
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X, Y, Z axes
Safety& EMC	Safety standards	UL8750 + UL1310
	Withstand voltage	I/P-O/P: 1.88KVAC
	Isolation resistance	I/P-O/P: 100MΩ/ 500VDC/ 25°C/ 70%RH
	EMC EMISSION	FCC Part 15 B
Others	Net. Weight	0.95Kg
	Dimension	165*92*26mm (L*W*H)
	packing	10 pcs/CTN
Notes	1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature. 2. To extend the driver's using life, please reduce the loading at lower input voltage.	

MECHANICAL SPECIFICATION



Units: inch
Tolerance: 0.02-0.08in

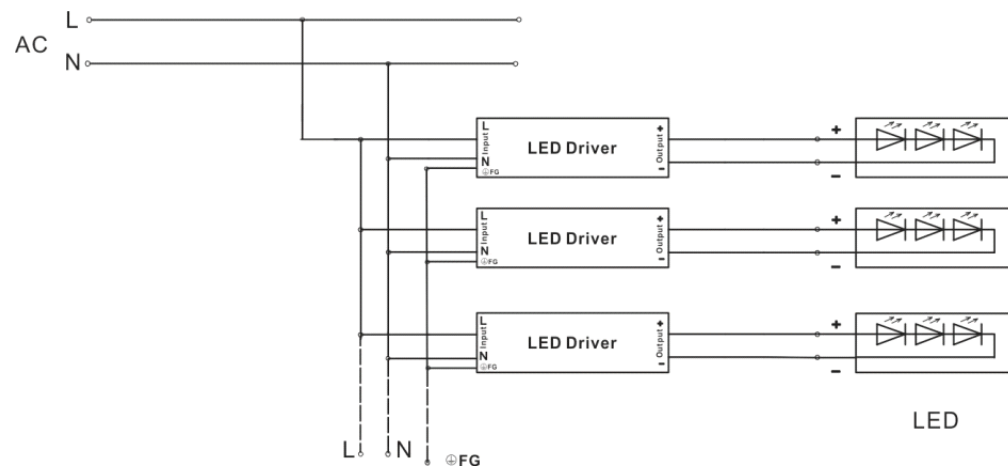
DERATING CURVE



• To extend their life, please refer to the Derating Curve and derate according to the temperature.

- Input wire 18AWG Black and White to be connected to AC L and N, Green wire go ground,
- Output wire 18AWG Red to LED Positive side (+), Black to LED Negative side (-).

CONNECTING DIAGRAM



⚠ WARNING

- 1) This driver should be installed by qualified and professional person;
- 2) Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before test in order to avoid light and power supply damage;
- 4) If driver Cannot work normally, don't maintain privately; Have any question, please contact Joyolight.