

Project name

Type

QTY

LW-LD100H-U24-Q2-LP

96W AC-DC Constant Voltage LED Driver with 0-10V Dimming



Features

- Universal Input range from 100 to 304VAC, 50/60Hz
- Fully Potted suitable for dry and damp location applications
- Built-in active PFC Function
- Constant Voltage design (C.V mode)
- 0-10V Dimming Control
- UL8750 and CE compliant
- Protections:
 - Over current/ ■ Short Circuit / ■ Over Temperature
- 3 years warranty

Safety Approval



Specification

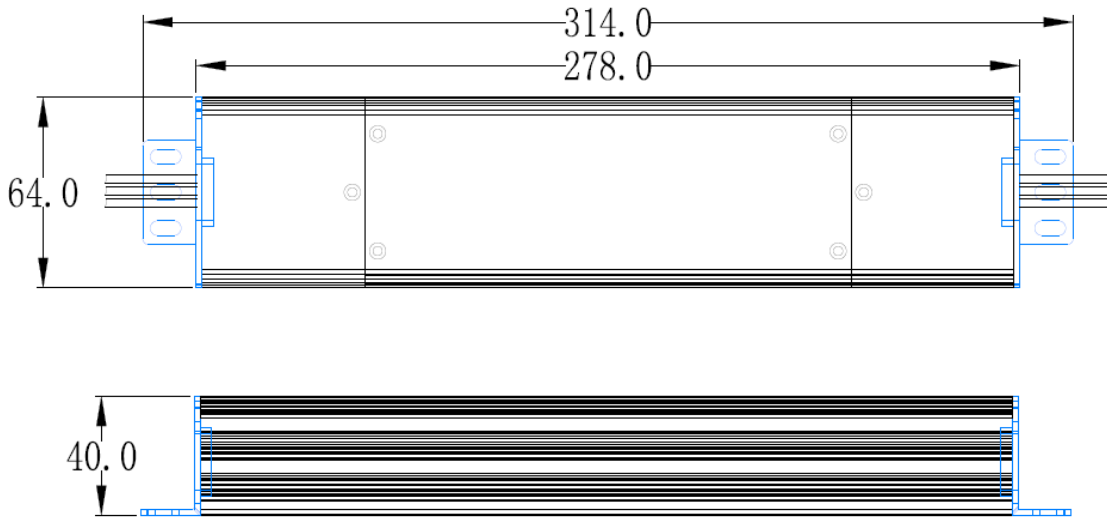
Model No.		LW-LD100H-U24-Q2-LP
Output	DC Voltage	24V
	Voltage Tolerance	-3%~3%
	Current Range	4.2A
	Rated Power	100W
	Ripple & Noise (Max.) #	3.0 Vp-p
	Efficiency note.1	>85%
Input	Voltage Range	100~304VAC
	Rated Voltage	110 - 277VAC
	Frequency Range	47~63Hz
	AC Current (Max.)	0.45 A at 240VAC
	Power Factor	> 0.93 at 240VAC with full load.
	Inrush Current (Max.)	COLD START 30 A at 240 VAC
	Leakage Current	< 3 mA / 240 VAC
Protections	Over Current	100 % - 120 % Constant current limiting, auto-recovery
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
Environment	Working Temp.	-10 °C~ 40 °C ambient operating at full load
	Working Humidity	20% ~ 90% RH non-condensing.
	Storage Temp.,Humidity	-20 ~ +80°C ,10% ~ 90% RH
Safety & EMC	Safety Standards	meet EN61347-1,EN61347-2-13 ,UL8750
	EMC Standards note.3	meet EN55015,EN61000-4-2,3,4,5,6,8,11 ,EN61547
	Withstand Voltage	I/P - O/P: 1.25 K VAC
	Isolation Resistance	I/P-O/P:100M ohms / 500VDC at 25 °C
Connection	Input	UL 1015, 18 AWG WHITE BLACK GRN/YLW, L= 165mm
	Output	UL 1015,18 AWG RED/BLACK for Vo+/Vo- ,L=165mm; UL1007, 20AGW Purple/Gray for DIM+/ DIM-L=165mm
Others	MTBF	100K hours min. @Ta=25 °C
	Dimension(L*W*H)	314 (278) * 64 * 40 mm
	Packing(L*W*H)/Carton	345 * 270 * 240mm; 15Kg
Note	1. All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25°C ambient temperature. 2. Ripple & Noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor. 3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re - confirmed that it still meets EMC directives.	

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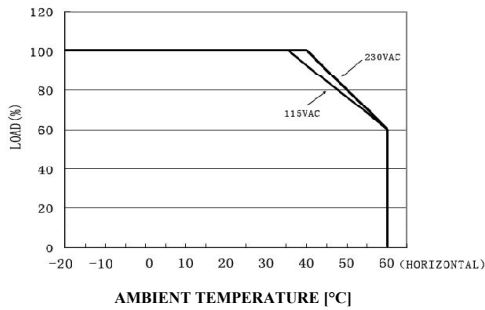
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Dimensions : 314 X 64 X 40 mm
12.4 X 2.5 X 1.6 in

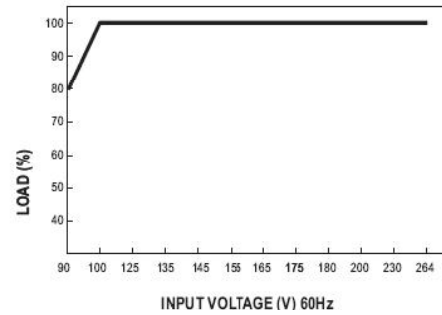


Q2-LP

Derating Curve



Static Characteristics



0-10V Dimming Curve

