LUZ NEGRA
linear lighting solutions

meanwell power supply

Ref: 39.011

Features:

• Universal AC input / full range

• Built-in active PFC function

• High efficiency up to 90%

• Forced air cooling by built-in DC fan with fan speed control function

• Protections: short circuit, overload, over voltage, over temperature

• Degree of protection: IP20

Output	Power	320W
	Voltage (V)	12V
	Rated current	26.7A
	Current range	0 ~ 26.7A
	Ripple and noise (max.)	150mV
	Voltage adj. range	10 ~ 3.2A
	Voltage tolerance	± 1.0%
	Line regulation	± 0.3%
	Load regulation	± 0.5%
	Setup, rise time	1500ms, 50ms / 230VAC - 3000ms, 50ms / 115VAC at full load
Input	Voltage range	88 ~ 264VAC - 124 ~ 370VDC
	Frequency range	47~63Hz
	Power factor	PF ≥ 0.95/230VAC - PF ≥ 0.98/115VAC (full load)
	Efficiency	88%
	AC current	4A / 115VAC - 2A / 230VAC
	Inrush current	20A / 115VAC - 40A / 230VAC
	Leakage current	< 1mA / 240VAC
Protection	Overload	105 ~ 135%
	Over voltage	13.8 ~ 16.2V (shut down o/p voltage, re-power on the recover)
	Over temperature	Shut down o/p voltage, recovers automatically after temperature goes down
Environment	Working temperature	-30 ~ +70ºC
	Working humidity	20 ~ 90% RH non-condensing
	Storage temperature humidity	-40 ~ +85ºC, 10 ~ 95% RH
	Temperature coefficient	± 0.03% ºC (0 ~ 50ºC)
	Vibration	10 ~ 500Hz, 2G 10min / 1cycle, period for 60 min. each along X, Y, Z axes
	Degree of protection	IP20
Other	MTBF	206.5K hrs min. MIL-HDBK-217F (25ºC)
	Dimension	215x115x30mm
	Packing	1 unit
	Guarantee	3 years

Assembly and Safety Information

Applied standards CE:

• EN 62368-1

• EN 61000-3-2

• EN 61000-3-3

• EN 61000-4-2

• EN 61000-4-3

• EN 61000-4-4

• EN 61000-4-5

• EN 61000-4-6

• EN 61000-4-8

• EN 61000-4-11

• EN 62368-1

• EN 55032

• EN 55024

Applied standards CB:

• IEC 60950-1

Applied standards UL:

• UL 62368-1

Applied standards CCC:

• GB 4943.1

• GB 9254

• GB 17625.1

www.luznegra.net

ecoled

LUZ NEGRA
linear lighting solutions

meanwell power supply

Measurements:

215
32.5
150
36.7
LED
+V
ADJ
9
8
9.5
7
4-M4 L=3mm
6
5
4
8
3
2
1
50
115
47.45
32.5

32.5
150
30
12.5
6.5
4-M4(Both Sides) L=5mm
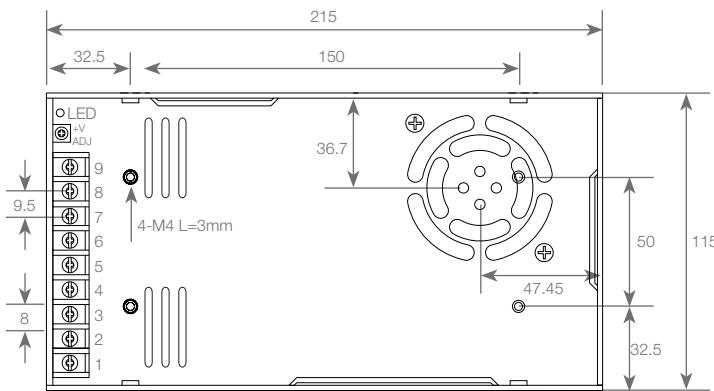
Terminal Pin No. Assignment

Pin No.	Assignment	In No.	Assignment
1	AC/L	4 ~ 6	DC OUTPUT -V
2	AC/N	7 ~ 9	DC OUTPUT +V
3	FG ⏚		

Diagram:

L
N

L +
N −

12VDC 4.8W/m   RUBI
CE RoHS   ecoled.net
12VDC 4.8W/m   RUBI
CE RoHS   ecoled.net
12VDC 4.8W/m   RUBI
CE RoHS   ecoled.net
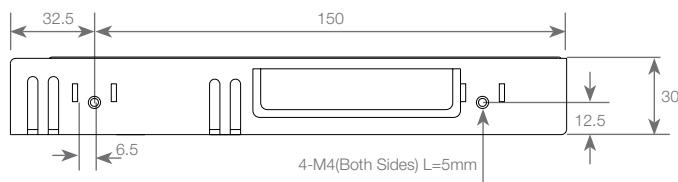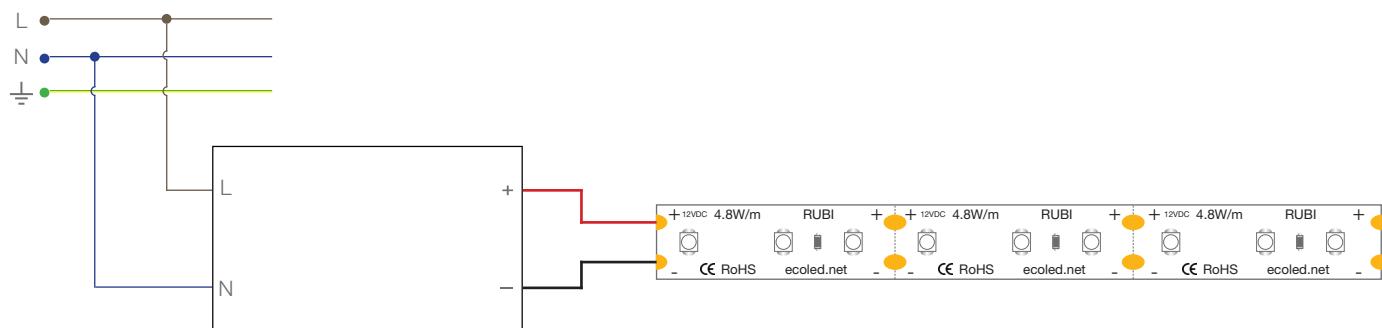
Type performance graphs

Derating Curve

100
80
LOAD (%)
60
40
20
-300   10   20   30   40   50   60   70   (Horizontal)
AMBIENT TEMPERATURE (ºC)
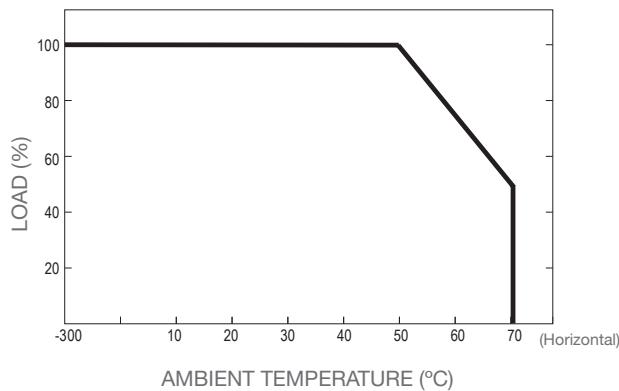
Static Characteristics

100
90
80
LOAD (%)
70
60
50
40
88 90   95 1001 15 1351 55 1751 95   2302 64
INPUT VOLTAGE (VAC) 60Hz

www.luznegra.net

ecoled