

Project Name:	
Type:	

LP1040-XX Series

40 Watts | 90 - 264VAC, 277VAC

PRODUCT FEATURE

- UL1310, Class 2 and UL48 Compliant
- Single output, ranged from 10V up to 36VDC
- IP66 Compliant
- Suitable for dry and damp locations
- Designed for outdoor or indoor applications.
- Suitable in standard electrical junction boxes
- ELV (Trailing-edge) dimmable - Optional
- Active PFC reduces power consumption.

ELECTRICAL SPECIFICATIONS

INPUT RANGE	: 90 - 264VAC, 277VAC
FREQUENCY	: 47 to 63Hz
POWER FACTOR	: > 0.92 at full load, 115VAC
CREST FACTOR	: 1.5 max
INRUSH CURRENT	: 30.0 Amps maximum at 230VAC, cold start, 25°C
INPUT CURRENT	: 0.50 Amps maximum at 115VAC
EFFICIENCY	: 85% typical at maximum load
EMI FILTERING	: 47CFR, Part 2, Part 15 and Cispr PUB, 22 Class B
MAXIMUM POWER	: 40W
CURRENT ACCURACY	: ±1% (When applicable)
LOAD REGULATION	: ±3%
LEAKAGE CURRENT	: N/A
HOLD UP TIME	: 300uA typ. half cycle minimum at 120VAC and 80% of rated load.
PROTECTION	: Over-voltage, Over current and Short circuit protection: Auto-recovery

ENVIRONMENTAL

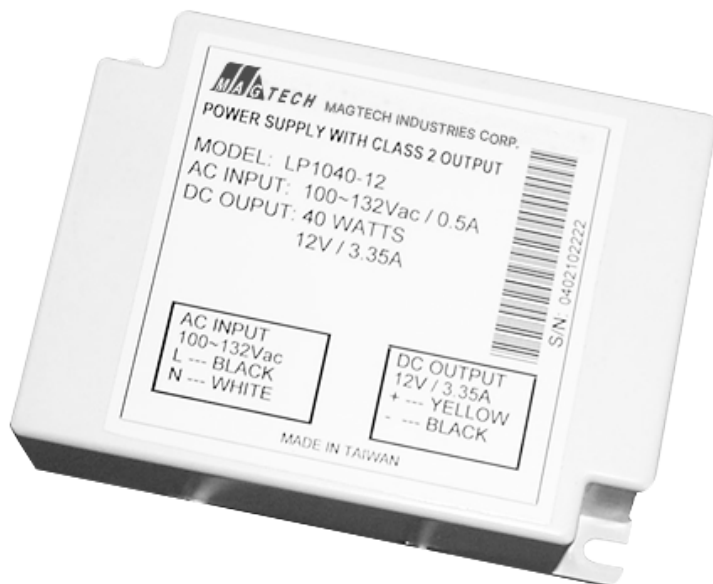
OPERATING TEMPERATURE	: -30 to 50°C (De-rating: 2% per °C from 50-70°C)
STORAGE TEMPERATURE	: -40 to + 85°C
HUMIDITY (NON-CONDENSING)	: 5% to 95%
COOLING	: Convection
VIBRATION FREQUENCY	: 5 to 50Hz
MTBF	: >100,00 Hours at full load and 25°C ambient conditions (MIL-217F)
EMC	: Compliant to 47CFR, Part 2, Part15 and Cispr PUB, 22 Class B
ACOUSTIC NOISE	: Less than 24db (20-20K Hz)

SAFETY

UL	UL1310, Class 2 and UL879 recognized
cUL	UL1310, Class 2 and UL879 recognized
CE	Certified

WARRANTY

- See [Limited Warranty Policy](#) for more additional information.



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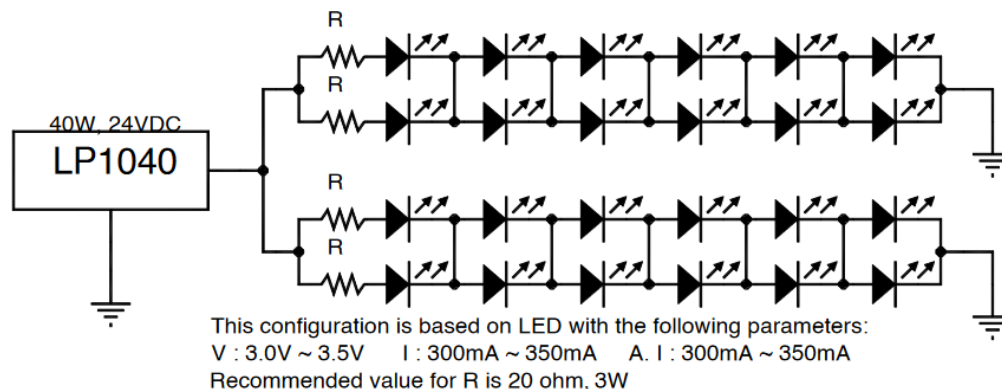
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MODEL NUMBER	CONSTANT VOLTAGE MODE OUTPUT			MODEL NUMBER	CONSTANT CURRENT MODE OUTPUT		
	V (DC)	A (mA)	Watts		V (DC)	A (mA)	Watts
LP1040-48	48, $\pm 5\%$	100 – 830	40	LP1040-48-Cxxxx	20 – 48	830, $\pm 5\%$	40
LP1040-36	36, $\pm 5\%$	111 – 1100	40	LP1040-36-Cxxxx	18 – 42	1110, $\pm 5\%$	40
LP1040-24	24, $\pm 5\%$	167 – 1670	40	LP1040-24-Cxxxx	12 – 24	1670, $\pm 5\%$	40
LP1040-22	22, $\pm 5\%$	182 – 1820	40	LP1040-22-Cxxxx	12 – 22	1820, $\pm 5\%$	40
LP1040-18	18, $\pm 5\%$	222 – 2220	40	LP1040-18-Cxxxx	9 – 18	2200, $\pm 5\%$	40
LP1040-15	15, $\pm 5\%$	268 – 2680	40	LP1040-15-Cxxxx	9 – 15	2680, $\pm 5\%$	40
LP1040-13	13, $\pm 5\%$	308 – 3080	40	LP1040-13-Cxxxx	7 – 13	3080, $\pm 5\%$	40
LP1040-12	12, $\pm 5\%$	333 – 3330	40	LP1040-12-Cxxxx	7 – 12	3330, $\pm 5\%$	40
LP1040-10	10, $\pm 5\%$	400 – 4000	40	LP1040-10-Cxxxx	6 – 10	4000, $\pm 5\%$	40
LP1040-09	9, $\pm 5\%$	445 – 4450	40	LP1040-09-Cxxxx	6 – 9	4450, $\pm 5\%$	40

Note:

The output current of Constant Current models are adjustable at factory from 50% - 100%.
The 48V models are only UL recognized.

RECOMMEND APPLICATIONS SCHEMATICS



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MECHANICAL DRAWING

Model Information - Single DC Output

LP1040-XX

XX - Voltage rating 10, 08, 09, 10.....24

AC Input Cable

AWG#18, two conductors UL PLTC type or equiv.

DC Output Cable

AWG #20, two conductors UL PLTC type or equiv.

