

FEATURES

- Compact size, slim design, light weight
- High efficiency, low temperature rise
- Protections: Protections: short circuit, overload, over temperature
 - Cooling by free air convection
- Compliance to worldwide regulations for lighting
 - IP20 protection
 - 5 years warranty

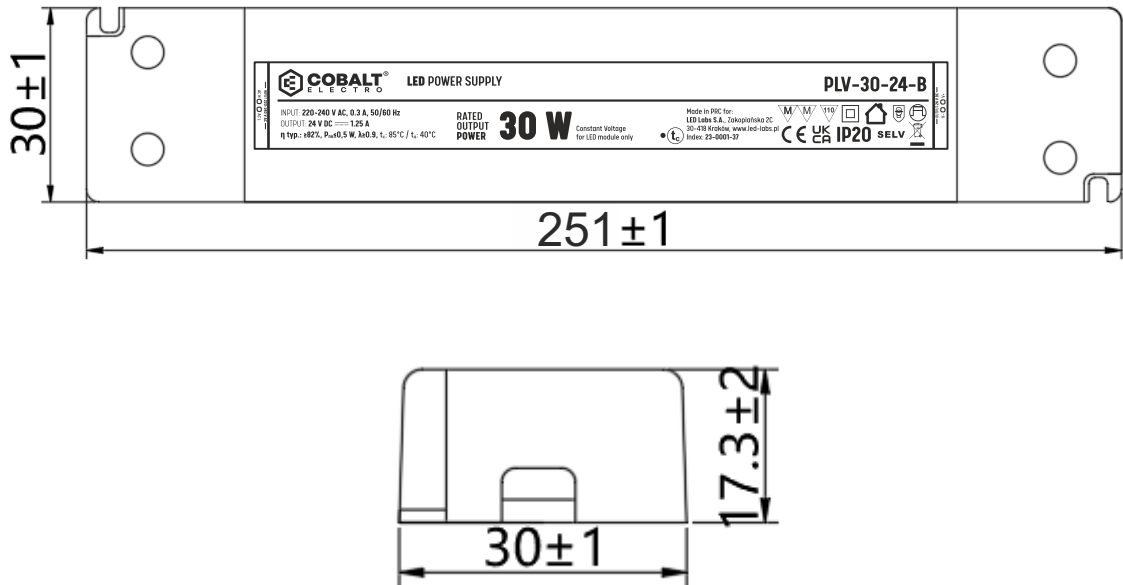


SPECIFICATION		PLV-30-12-B	PLV-30-24-B
OUTPUT	DC Voltage	12V	24V
	Rated Current	2.5A	1.25A
	Current Range	0 ÷ 2.5A	0 ÷ 1.25A
	Rated Power	30W	
	Line Regulation	± 3%	
	Load Regulation	± 3%	
	Setup, Rise Time (note 4.)	<1s, 100ms/230VAC at full load	
	Hold up time	10ms/230V at full load	
	Ripple & Noise (note 2.)	< 300mVp-p	< 300mVp-p
	Voltage Tolerance (note 3.)	± 5%	
INPUT	Voltage Range	198-264VAC	
	Frequency Range	47 ÷ 63Hz	
	Power factor (Typ.)	≥0.9	
	Efficiency (Typ.)	81.73%	
	AC Current (Typ.)	0.5A/220-240VAC	
	Inrush Current(Typ.)	80A/220-240VAC	
	Leakage Current	< 0.5mA/240VAC	
	No Load Power Consumption	≤0.5W	

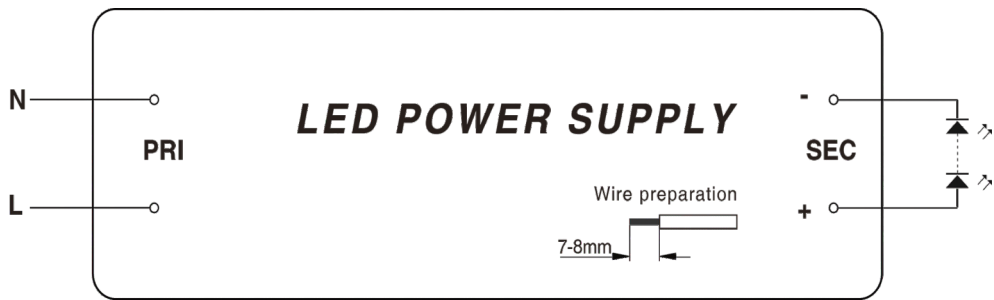
PROTECTION	Over Current	Range: 110 ÷ 140% of rated current. Type: Hiccup mode. Re-start after fault condition is removed.
	Over Voltage	Range: 120 ÷ 150% of rated voltage. Type: re-start after fault condition is removed.
	Short Circuit	Hiccup mode. Re-start after fault condition is removed.
	Over Temperature	Range: 110°C ± 10°C Cut-off of the output voltage. After the termination of the thermal state, return to normal operation.
WORKING ENVIRONMENT	Working Temp.	-20 ÷ +45°C
	Working Humidity	45 ÷ 85%
	Storage Temp., Humidity	-40 ÷ +85°C, 5 ÷ 95% RH non-condensing
	Temp. Coefficient	±0.03%/°C (0 ~ 60°C)
SAFETY & EMC	Safety Standards	EN61347-1 EN61347-2-13
	Withstand Voltage	3000V/5mA/1min
	EMC Immunity	EN61547
	EMC Emission	EN55015
	Harmonic Current	EN61000-4-2,3,4,5, 6 EN61000-3-2 class C
OTHERS	Dimension	251 x 30 x 17 mm (L x W x H)
	Weight and Packing	100PCS/CTN--14KGS

NOTE:

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF i 47µF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.



WIRING DIAGRAM



EXPLANATION OF THE SYMBOLS USED ON THE DEVICE

- | | | | | | |
|---|--|---|---|--|--|
|  | Short-circuit proof safety transformer |  | II IEC protection class |  | The device is designed to be placed on wooden surfaces in accordance with: DIN VDE 0710-14 |
|  | Protective thermal protection 110° C |  | Risk of electric shock | SELV | Safe low voltage output not exceeding 50V AC or 120V DC |
| IP | Rate of protection against access to dangerous parts inside the housing, ingress of solids and water |  | Independent electronic transformer: it can be installed separately outside the luminaire without any additional housing | | |