



 **IP66 SELV CB**

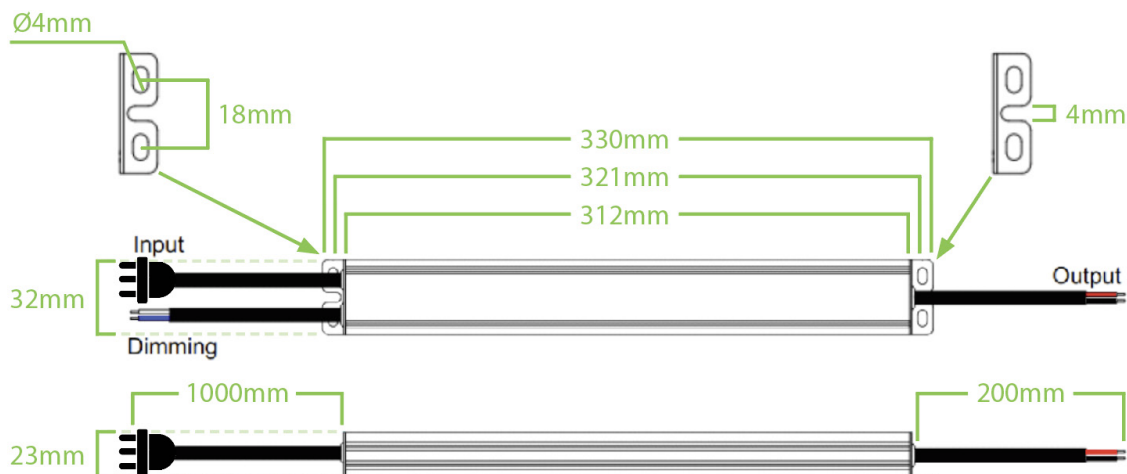
Features:

- AC Input Range: 200~240VAC with PFC
- Constant Voltage PWM Output
- Protections: Short Circuit, Over Load, Over Temperature
- Class I Power Supply
- IP66 Design for outdoor installation
- Cooling by Free Air Convection
- Factory fitted Flex and AU Plug
- DALI Protocol IEC 62386

Model		LDVP-100-12
Output	DC voltage	12V
	Voltage tolerance	±0.5V(see Note 2.)
	Rated Current	8.33A
	Rated Power	100W
Input	Voltage range	200~240VAC
	Frequency range	47~63HZ
	Power factor	0.95@230VAC
	Full load efficiency (Typ.)	88%
	AC current (Max.)	1.2A@100VAC
	Leakage current	<0.5mA
	Inrush current	35.2A (twidth=164us) @230VAC
	MAX. No. of drivers on 16A circuit breaker	4 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC
Protection	Short circuit	Shut down O/P voltage, re-power on to recover after fault condition removed
	Over loading (Note 4.)	≤120%Hiccup mode, recovers automatically after fault condition is removed or shut down o/p voltage, re-power on to recover after fault is removed
	Over temperature (Note 6.)	100°C±10°C shut down O/P voltage, automatically recovers after cooling
Environment	Working TEMP.	-40~+60°C (refer to de-rating curve)
	Working humidity	20~95%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	EN61347-1 EN61347-2-13 UL8750
	Withstand voltage	I/P-O/P:3.75KVAC (EU) and I/P-O/P:1.88KVAC (US)
	Isolation resistance	I/P-O/P:100M Ohms/500VDC/25°C/70%RH
	EMC emissions (Note 3.)	Compliance to EN55015, EN61000-3-2 (≥60%load) (EU) and FCC Part 15 (US)
	EMC immunity	EN61000-4-2,3,4,5,6,11, EN61547, light industry
Others	Net. weight	0.60KG
	Size	330*32*23mm (L*W*D)
	Packing	360*270*175mm/30PCS/CTN
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Tolerance: Includes set up tolerance, line regulation and load regulation. 3. The LED driver is considered as a component that is operated in conjunction with final equipment. EMC performance could be affected by the complete installation. Original equipment manufacturers may need to conduct additional EMC testing and certification on the final equipment. 4. Loading range from 10% to 100%. 5. Specifications are subject to change without prior notice. Contact your supplier to confirm any critical parameters. 6. Reading taken at tc point marked on product label.	

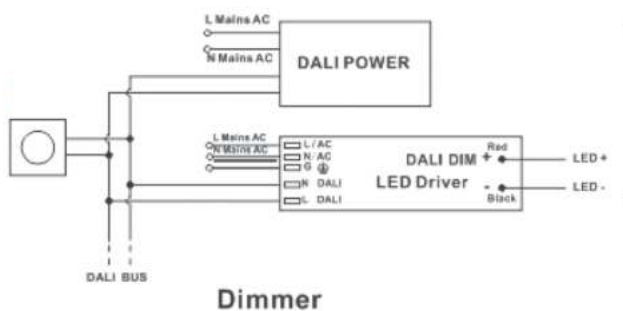
Mechanical Specification

- Input:
1m AU Flex and AU Plug
- Output:
Rubber cable 2*1.0mm²
Red: (V+) Positive
Black: (V-) Negative
- Dimming:
Rubber cable 2*0.75mm²
Blue: DA
White: DA (non-polarised)



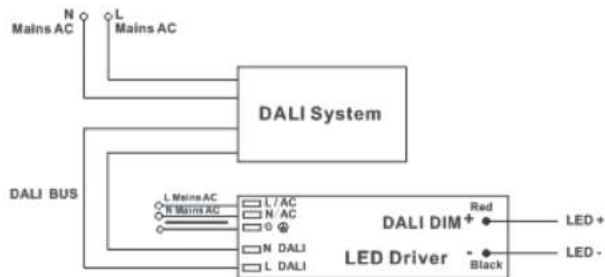
Single Driver Connection Diagram

DALI Dimming Wiring Diagram1



Dimmer

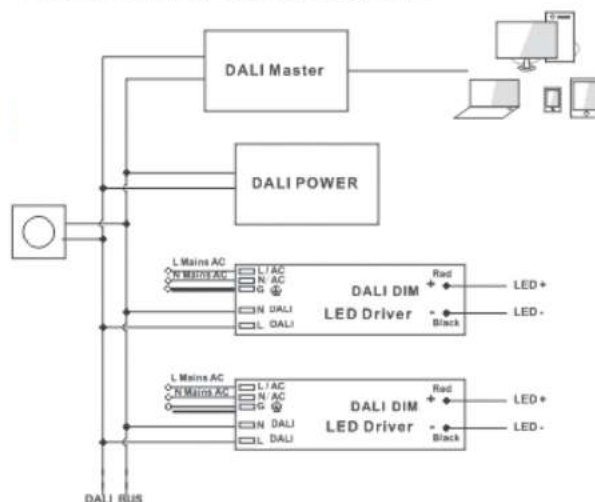
DALI Dimming Wiring Diagram2



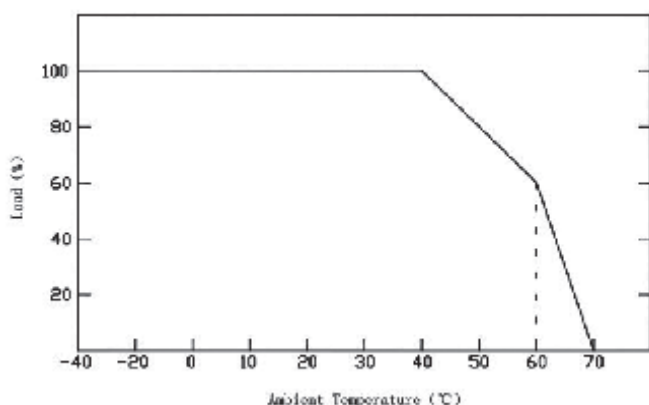
System

Multiple Drivers Connection Diagram

DALI Dimming Wiring Diagram3



De-rating Curve



- If being used in higher ambient temperatures, ensure the load on the LED driver is de-rated in accordance with this chart. Failure to do so could lead to a failure, which is not covered

- 1) To extend their life, please refer to the Derating Curve and derate according to the temperature.
- 2) Please note that the rise in temperature of LED fixtures over a long period of time will cause their power to rise. Therefore, we recommend the power supply to reserve a certain amount of load to avoid overloading.