



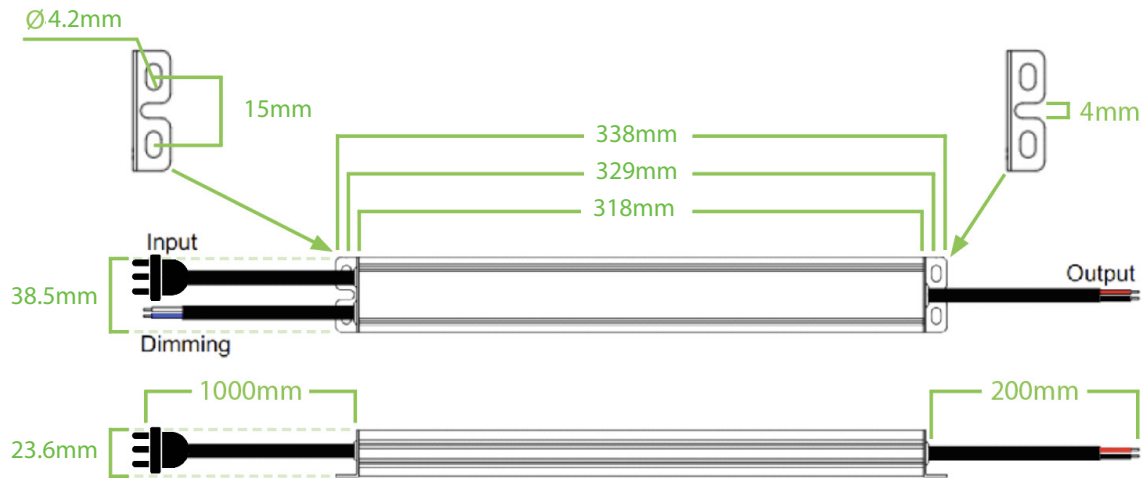
     **IP66 SELV CB**

Features:

- AC Input Range: 100~277VAC 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-2 Protocol IEC 62386

Model		LDVP-100-24
Output	DC voltage	24V (24~26 adjusted by NFC)
	Voltage tolerance	±0.2V (see Note 2.)
	Voltage Regulation	±0.5V
	Rated Current	4.17A
	Rated Power	100W
	Load Regulation	1%
	Standby Power	≤0.5W
Input	Voltage range	100~277VAC
	Frequency range	47~63HZ
	Power factor	≥0.98@120VAC ≥0.95@230VAC ≥0.95@277VAC
	THD(Typ.) @ Full load	≤10%@120VAC ≤10%@230VAC ≤15%@277VAC
	Efficiency @ Full load	90.5%@120VAC 91.7%@230VAC 91.7%@277VAC
	AC current (Max.)	1.2A
	Inrush current	17A, 266us@50%120VAC 60A, 128us@50%230VAC 42.4A, 286us@50%277VAC
	Leakage current	<0.5mA
Protection	Short circuit	Hiccup mode, recover automatically after fault condition is removed
	Over loading (Note 4.)	≤120%, Hiccup mode, recover automatically after fault condition is removed
	Over temperature (Note 6.)	Shell surface temp.100°C±10°C,output will be off; recovers automatically after temp. drops
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:100M Ohms/500VDC/25°C/70%RH
	Isolation resistance	I/P-O/P:3.75KVAC (EU) and I/P-O/P:1.88KVAC (US)
	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	338*38.5*23.6mm (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.	

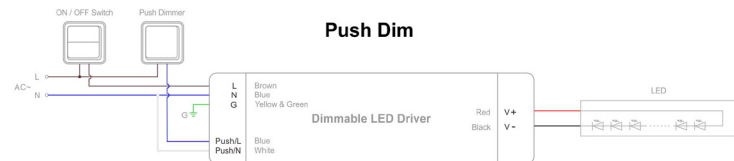
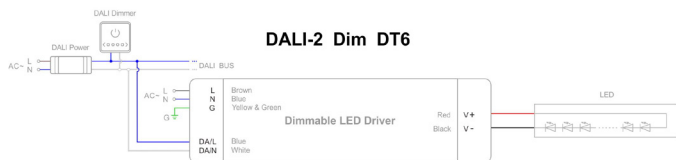
Mechanical Specification



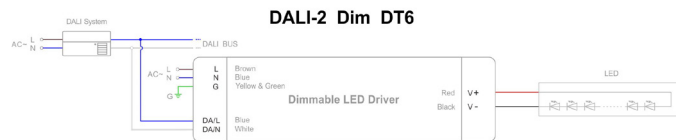
Dimming operations and Connecting Diagram

- Using DALI-2 dimming with DALI power and dimmer

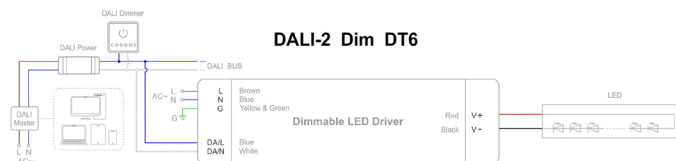
- Using PUSH dimming with dimmer (on & off function)



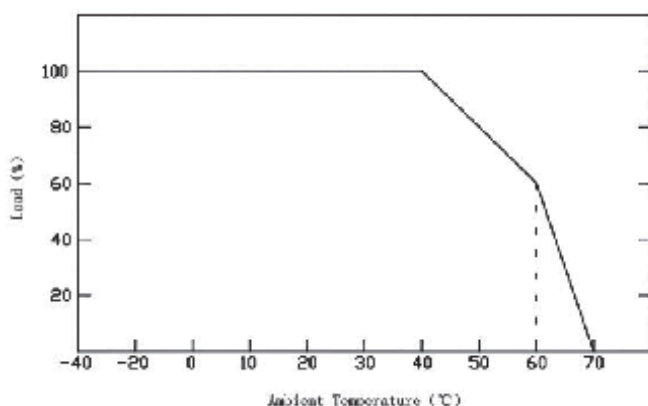
- Using DALI-2 dimming with DALI system and DALI bus



- Using DALI-2 dimming with intelligent device, DALI master and dimmer



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

- To extend their life, please refer to the Derating Curve and derate according to the temperature.
- 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.

NFC Function



ProNFC APP

- Address settings:
NFC setting address:
The address can be read and written by a mobile with ProNFC APP or NFC handheld device (NFC read & write device: NFC-RW) by close to the NFC signal area of the DALI driver.

NFC voltage regulation level										
	level 1	level 2	level 3	level 4	level 5	level 6	level 7	level 8	level 9	level 10
12V	12V	12.2V	12.3V	12.5V	12.6V	12.8V	13V	13.1V	13.3V	13.5V
24V	24V	24.2V	24.4V	24.7V	24.9V	25.1V	25.3V	25.6V	25.8V	26.0V
36V	36V	36.2V	36.4V	36.7V	36.9V	37.1V	37.3V	37.6V	37.8V	38.0V
48V	48V	48.2V	48.4V	48.7V	48.9V	49.1V	49.3V	49.6V	49.8V	50.0V

- 1) This driver should be installed by qualified and professional person.

2) Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.

3) Ensure that all wiring is correct before testing in order to avoid damage to the LED driver, or the LEDs.