



**5 YEAR
WARRANTY**

30W
DALI
Slimline
LED Driver
with PWM
Output

**Features of the:
LDVP-30 Series**

-  Constant Voltage PWM Output
-  AC Input Range: 200-240VAC with PFC
-  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 Plug
-  DALI Protocol IEC 62386



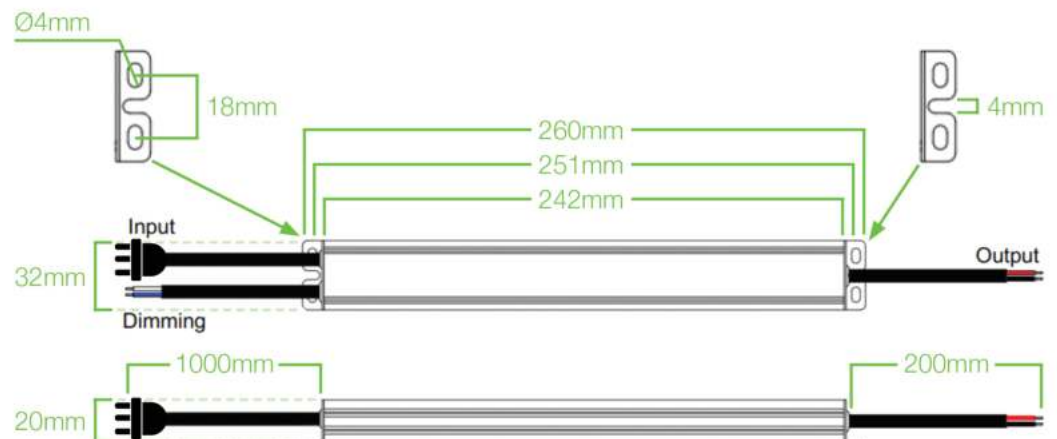
CE      IP66 SELV CB

| Model | | LDVP-30-12 | LDVP-30-24 |
|--------------|--|--|---------------|
| Output | DC voltage | 12V | 24V |
| | Voltage tolerance | ±0.5V (see Note 2.) | |
| | Rated current | 2.5A | 1.25A |
| | Rated power | 30W | |
| Input | Voltage range | 200-240VAC | |
| | Frequency range | 47-63HZ | |
| | Power factor | 0.95 @ 230VAC | |
| | Full load efficiency (Typ.) | 81% | 81% |
| | AC current (Max.) | 0.38 @ 100VAC | 0.38 @ 100VAC |
| | Leakage current | <0.50mA | |
| | Inrush current | 33.2A (twidth=116us) @ 230VAC | |
| | MAX. No. of drivers on 16A Circuit breaker | 9 units (circuit breaker of type B) / 16 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% constant (hiccup mode), auto-recovery after fault condition 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 | 0.55kg | |
| | Size | 260*32*20mm (L*W*D) | |
| | Packing | 290*270*160mm/20PCS/CTN G.W.:12KG/CTN | |
| Notes | <ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Tolerance: Includes set up tolerance, line regulation and load regulation. 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. Loading range from 10% to 100%. Specifications are subject to change without prior notice. Contact your supplier to confirm any critical parameters. Reading taken at tc point marked on product label. | | |

Input & Output Wiring

Mechanical Specification

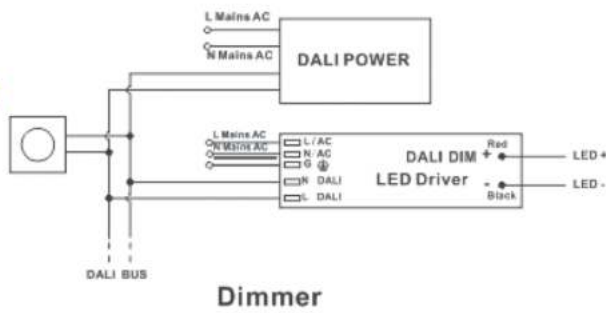
- Input:**
1m AU Flex and Plug
- Output:**
Rubber cable 2*1.0mm²
Red: (V+) Positive
Black: (V-) Negative
- Dimming:**
Rubber cable 2*0.75mm²
Blue: DA
White: DA (non-polarised)



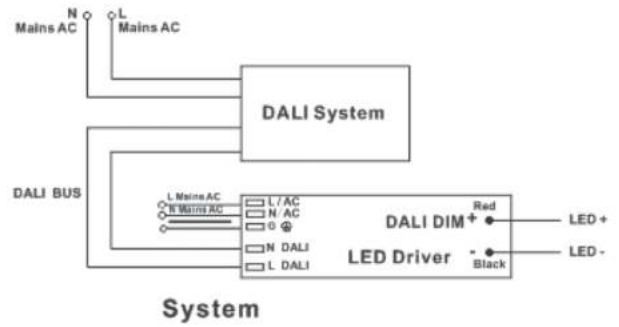
Dimming Operation

Single Driver Connection Diagram

DALI Dimming Wiring Diagram1

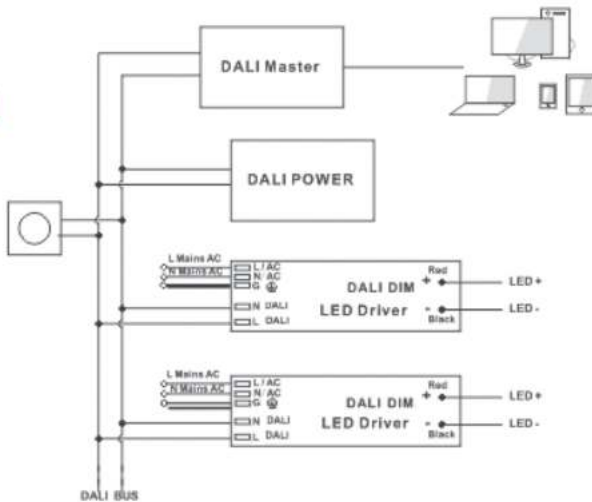


DALI Dimming Wiring Diagram2

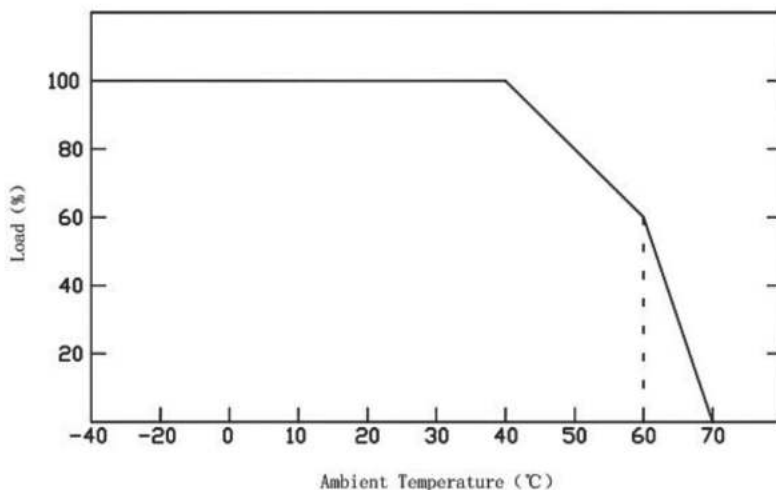


Multiple Drivers Connection Diagram

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 premature failure, which is not covered by the warranty.



Important

- 1) Refer to Power Source Installation Manual.
- 2) Do Not Cover.
- 3) This LED driver should be installed by a qualified electrician.
- 4) Please make sure the LED driver is installed with adequate ventilation around it to allow for heat dissipation.
- 5) Ensure that all wiring is correct before testing in order to avoid damage to the LED driver, or the LEDs.