



XLN / XLC Series

Compact Size LED Power Supply



The new generation XLN / XLC series are plastic housing LED drivers of MEAN WELL, they are designed with double insulation and class II/2 for general indoor lighting or commercial luminaires. Some key features include compact size, constant voltage and constant current output, multiple dimming functions, outlet with wiring type or terminal block type...etc. The series are designed with the concept of standard LED power supply and multi-purpose for customer selection, satisfying general needs of matching various lighting fixtures or LED strip applications.

The constant current output adopts a constant power mode and provides a wide range of current adjustment functions, the output current can be adjusted through DIP-switch or the MEAN WELL App while combining with NFC. It supports 3-in-1 dimming, as well as digital dimming methods like DALI-2, KNX, and Matter, with a minimum dimming brightness level as low as 0.1%.

Features



Isolated & Double Insulation Design

Complying with the latest safety regulations, the output and dimming circuits are isolated and comply with double insulation and safety voltage (SELV) designs to ensure user safety and reduce the risk of electric shock. The entire series has complete international certification and full range voltage input (Class II/2), making it convenient for customers to match all sorts of lighting in the worldwide market.



Miniaturization

As LED luminous efficiency continues to improve, the required LED power and heat sinks in lighting fixtures are gradually decreasing. Therefore, the miniaturized power supply facilitates customers to match various lighting mechanism designs while providing better product functionality and reliability.



Various Dimming Functions

In addition to the traditional 3-in-1 dimming methods (0-10V, PWM signal, and resistance), digital dimming functions such as DALI-2, KNX, and Matter are also available, with a minimum brightness level of 0.1%. The DALI-2 model can be integrated with the DLC-02 DALI digital lighting control system for use in various residential or commercial lighting scenarios.



Multiple Applications

The full series provides a variety of output applications, including constant voltage output (12/24/48V) that can be used with LED lighting strip applications, and constant current (H type) that can be used with general lighting designs. Both constant voltage and constant current output modes provide dimming functions to facilitate customers in various lighting scenario applications.





- Constant power design with wide range current adjustable (H type)
- Constant output voltage models available (12V/24V/48V)
- Output current adjusted by NFC sensing
- Full voltage input 100~305VAC (with PFC function)
- Plastic case with double insulation and Class II design
- Meet UL8750 class 2 / class P power unit
- Compliant with IEEE 1789 and ErP flicker-free standards
- Standby power consumption <0.5W
- Minimum dimming brightness 0.1%
- Fully potted design complies with IP67 waterproof and dustproof (XLN series)
- Compliant with emergency lighting (EL) functions
- Dimming function: 3 in 1, DALI-2, KNX, Matter
- Output and dimming circuit comply with the isolation design
- Optional independent or built-in LED power supply (XLC series)
- 5 years warranty and >50,000 hrs lifetime

Choosing a suitable LED power supply

Type	Series	12V (C.V.)	24V (C.V.)	48V (C.V.)	H Type (C.C.)	3-in-1 Dimming	DALI-2 Dimming	KNX Dimming	Matter Dimming	Description
Wiring Cable (IP67)	XLN-25	✓	✓		✓	✓	✓			C.V. mode with no dimming function
	XLN-40	✓	✓		✓	✓	✓			C.V. mode with no dimming function
	XLN-60	✓	✓	✓	✓	✓	✓			Dimmable
Terminal Block	XLC-25	✓	✓		✓	✓	✓	✓	✓	C.V. mode with no dimming function
	XLC-40	✓	✓		✓	✓	✓	✓	✓	C.V. mode with no dimming function
	XLC-60	✓	✓	✓	✓	✓	✓	✓	✓	Dimmable

Luminaire Applications



Commercial Track Light



Commercial Recessed Light



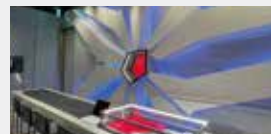
Tri-proof Light



Linear light



Office Lighting



Digital Lighting

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