



XLN/XLC Series:

25W/40W/60W Intelligent LED Power Supply

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The LED lighting is a mature industry, with advancements in lumens per watt and integration of intelligent dimming applications. Various countries have also established detailed safety regulations and energy saving efficiency regulations to ensure user safety and energy saving. MEAN WELL's latest LED power supply, [XLN/XLC](#) series, provides the most complete safety certification and dimming functionalities. By combining with luminaire designs that meet high luminous efficiency and safety requirements, it supports the global initiative to achieve the 2050 net-zero carbon emission target through energy conservation.

MEAN WELL continues to offer a range of standard LED power supplies, incorporating the latest regulations and output dimming isolation designs. The new compact XLN-25/40/60W series adopts an independent wiring output design, fully encapsulated to meet IP67 waterproof function. The XLC-25/40/60 series features a terminal-block output design, with options for independent or built-in mechanisms. Additionally, multiple current options are available, and the output current can be conveniently adjusted through DIP-Switch or NFC sensing methods. In terms of dimming functionality, various wired or wireless dimming interfaces are also provided, such as 3 in 1 / DALI-2 / KNX / Casambi / Matter (IoT), etc. The minimum brightness can be adjusted to 0.1%, making it convenient for customers to integrate with different smart control solutions. Various dimming products will also be launched successively in the future.

Having cultivated expertise in the LED lighting field for many years, MEAN WELL has recently transitioned to providing lighting system. This includes wired control KNX or DALI-2 lighting systems, allowing system integrators or users to easily integrate products certified with KNX or DALI standards, reducing compatibility issues. Furthermore, MEAN WELL offers wireless control for [smart home lighting solutions](#), including the latest Matter (IoT) wireless solution. This can be integrated and configured through Apple HomePod speakers and the HomeKit App. If you have smart home solution requirements, please contact MEAN WELL's sales team for assistance.

FEATURES

- Constant power design with wide range adjustable current (H type)
- Constant voltage output models available (12V/24V/48V)
- Output current adjusted by NFC sensing
- Full range input 110~305VAC (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% (DALI-2 DT6)
- 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, Casambi, Matter
- Output and dimming circuit comply with isolation design
- Optional independent or built-in LED power supply (XLC series)
- 5 years warranty and >50,000 hrs lifetime

APPLICATION





ORDER INFORMATION

