


MEAN WELL

Indoor

Building Automation

# 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 combing with NFC, and has 3-in-1 DALI-2 digital dimming or other wire/wireless dimming methods (KNX/ Bluetooth/ Matter); the minimum dimming level can reach 0.1%.

# Features

IP67 0-10VDC

### 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.

### Miniaturizatoin



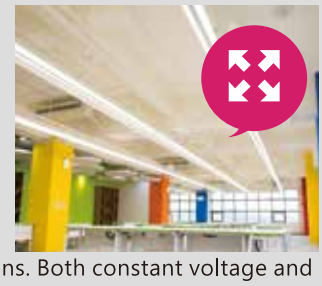
As the efficiency of LED luminous continues to improve, the lighting requires less LED power and heat sinks. Therefore, the miniaturized power supply facilitates customers to match various lighting mechanism designs while providing better product functionality and reliability.

### Various Dimming Functions




In addition to the traditional 3 in 1 dimming (0-10V, PWM signal, resistance), the dimming method also provides the latest DALI-2 digital dimming function with the lowest brightness can reach 0.1%. Also, it can be combined with the DLC-02 DALI digital lighting control system, used in various lighting projects or commercial lighting scenes.

### 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.

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- 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 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 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 | Description |
|---|---|---|---|---|---|---|---|---|
| Wiring Cable (IP67) | XLN-25 | V | V | | V | V | V | C.V. mode with no dimming function |
| | XLN-40 | V | V | | V | V | V | C.V. mode with no dimming function |
| | XLN-60 | V | V | V | V | V | V | Dimmable |
| Terminal Block | XLC-25 | V | V | | V | V | V | C.V. mode with no dimming function |
| | XLC-40 | V | V | | V | V | V | C.V. mode with no dimming function |
| | XLC-60 | V | V | V | V | V | V | Dimmable |

**NOTE** : If you need other dimming functions, such as KNX, Bluetooth, Matter and others, please contact MEAN WELL sales team.

# Luminaire Applications


Commercial Track Light


Commercial Recessed Light


Tri-proof Light


Linear light


Office Lighting


Digital Lighting

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