



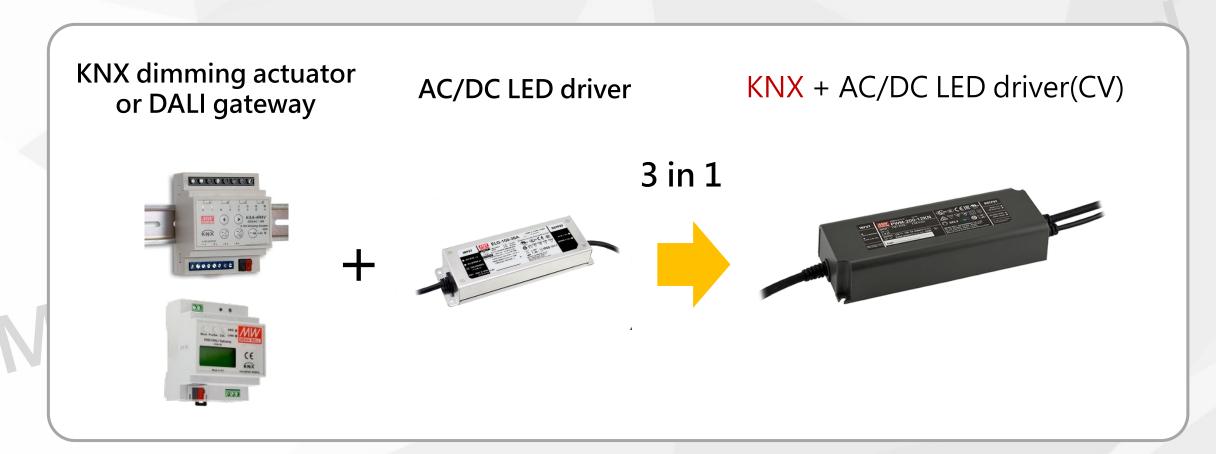
Key Features

- 200W Constant Voltage PWM style output
- KNX with Data Secure protocol, no need KNX-DALI gateway
- Constant light output, support in ETS
- Min. dimming level 0.01%
- PWM output frequency 4K Hz compliant to IEEE 1789-2015 no risk flickering & New ErP SVM requirement
- Meet SELV and class II design without FG
- Built-in software Over Temperature Protection

KNX Single Output LED Driver



KNX direct constant voltage (CV) LED driver, no need DALI gateway



What is KNX Data Secure?



KNX Data Secure signs and encrypts the communication telegrams in the KNX bus network to avoid unauthorized access or manipulation. Therefore, KNX Secure products can prevent hacker attack scenarios, such as communication content (sniffing), repeated communication (replay attack) or tampering (man in the middle attack).



What is the security level used in KNX Data Secure?

Based on ISO 18033-3 standardized security algorithm, AES 128-bit encryption.

AES encryption is commonly used in Wi-Fi router →

Additional information: Other communications of MW products such as DALI, PMBus, CANBus are not encrypted



What is Device Certificate?



Device certificate is a 36-character string. The purpose is to enable Data Secure on ETS for the first time. Therefore, ETS will first read the device certificate and use the built-in camera of the laptop to read the QR code (no need to type) and import to ETS

The device certificate is an easy-to-remove label placed on the front of the device. After installation, the label must be removed from the device and stored safely to prevent unauthorized personnel from obtaining it to avoid information security crisis



MEAN WELL

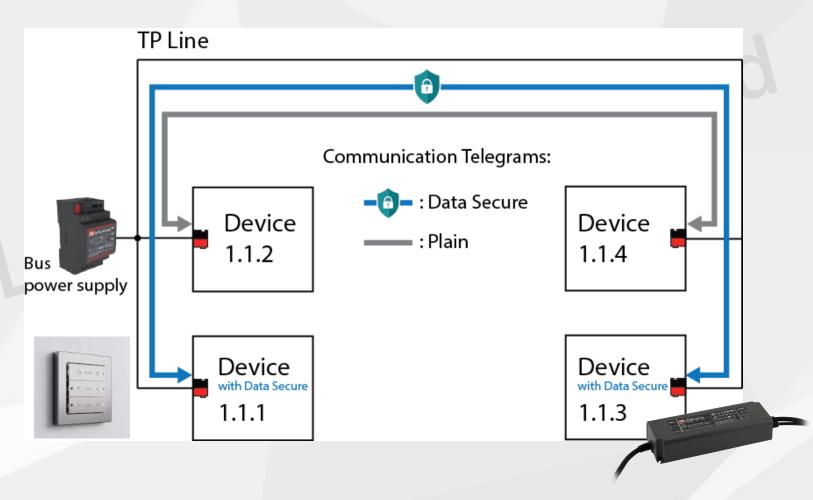
AFROO4-HWZ3JO K4YDZN-WTILLR 4OBU7Y-3IVXYR





Can PWM-200KN only be installed in a full secure system?

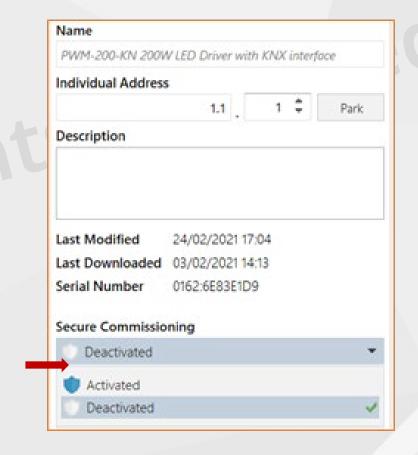
No, in addition to being installed in all new installation systems that use Data Secure, it can also be used in an installed traditional KNX system for upgrading.





Is it possible to disable the secure function for PWM-200KN?

Yes, user only need to set the secure commissioning to "Deactivated" in the ETS application database of and the device with KNX Data Secure will be configured just like a traditional KNX device. The behavior is the same as that of devices without KNX Data Secure, which means that KNX Data Secure devices can also be used in existing systems, such as replacing damaged devices.



KNX LED Driver Programming Button Position Comparison

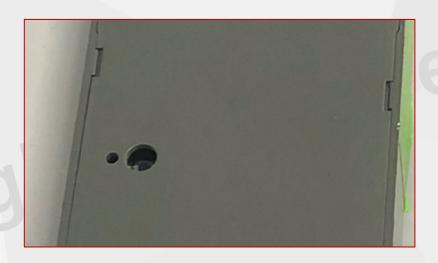




Red LED indicator Programing button

PWM-200KN Series

Programming button is on the side No need to disassemble the power supply when re-addressing is required More convenient to use.



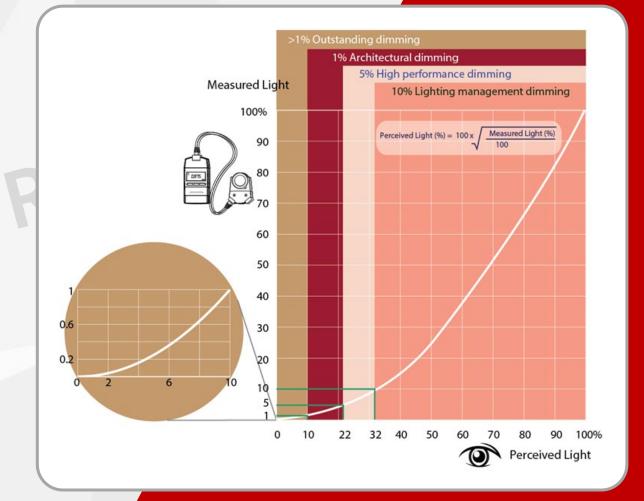
PWM-60/120KN Series

The Programming button is at the bottom.



Min. Dim Level 0.01%

- The lowest dimming level can reach 0.01%, suitable for applications that requires low light level environments, such as cinema
- Min. dm level 0.01% => 1% Perceived light

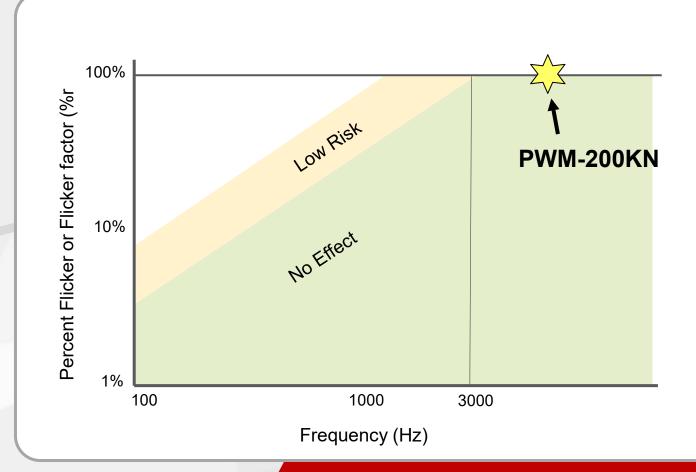




PWM-200 Meets IEEE 1789-2015 (No Flicker Risk)

- According to IEEE 1789-2015, frequency should be high to avoid no risk flickering
- Output frequency is 4K Hz

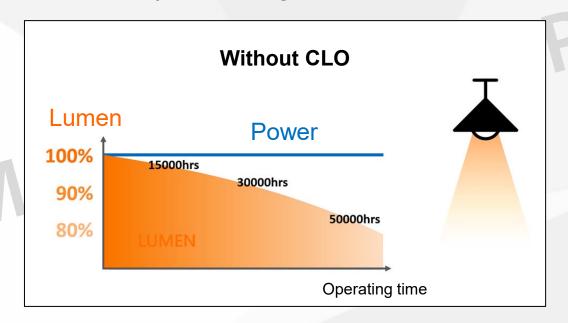
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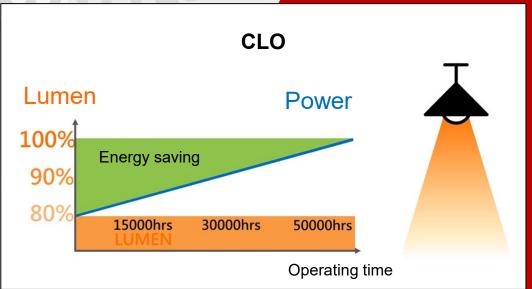




Constant Light Output (CLO)

- Output power is increased to compensate the lumen reduction over time
- To ensure constant light intensity over time
- The decay of LED light is resolved, achieving energy saving

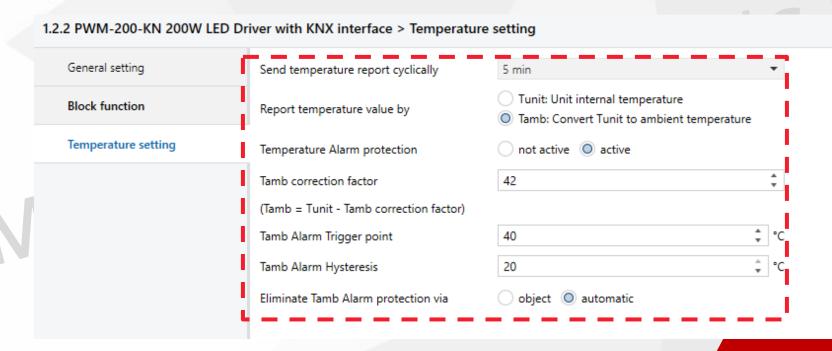


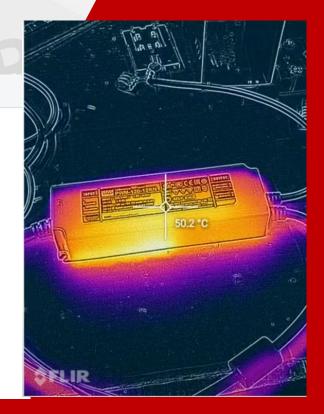




Built-in Software (OTP)

Lamp overheating protection can be set through software, and the protection temperature can be adjusted according to different lamp designs to ensure the safety inside the building.







Control And Feedback Functions

- The unit is built-in, operating time statistics, power consumption feedback, lamp short circuit feedback
- Linear/logarithmic curve selection for various application scenarios



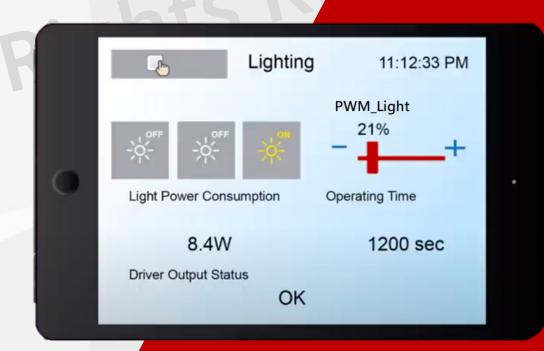
Logarithmic curve, close to human vision, providing comfortable dimming experience



Linear curve, suitable for special lighting control applications



DALI curve , same dimming experience as DALI protocol





Applications



Hotel Lighting

- LED strip lighting
- Indoor lighting



Household Lighting

- LED strip lighting
- Indoor lighting



Retail Lighting

- LED strip lighting
- Ambient lighting



Decorative Lighting

- LED strip lighting
- Indoor lighting

WHY MEAN WELL





More than 10,000 models, continues to introduce 10% new models and EOL 5% every year





High reliability and quality indicator Post-sales failure rate decreases by 10% each year





High cost-performance products, stable material price, complete supply chain integration



Delivery 🛁



24-hour delivery for small amount order.

14-day delivery for frequent purchase standard products.





MEAN WELL Group and distributors provide services 24 hours a day, and commit to reply within 24 hours



Reliable Relationship



75% of revenue come from long-term distributors and customers

