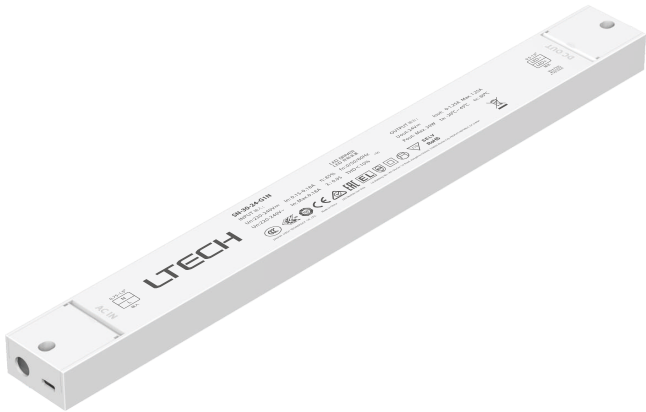


Intelligent LED Driver (Constant Voltage)

- Ultra-thin, ultra-small. Housing is made from V0 flame retardant PC materials.
- Clamshell twist screw integrated wire structure, wide opening Angle, an auxiliary buckle on the closure
- Innovative thermal management technology intelligently protects the life of the LED driver.
- Overheat, over voltage, overload, short circuit protection and automatic recovery.
- Suitable for ClassI/II/III indoor light fixtures.
- Suitable for indoor LED strip lights and magnetic track lights.
- 5-year warranty (Rubycon capacitor).



Flicker-Free
IEEE 1789



The certification icon represents undergoing certification applications only, and final certification qualification subject to actual product.

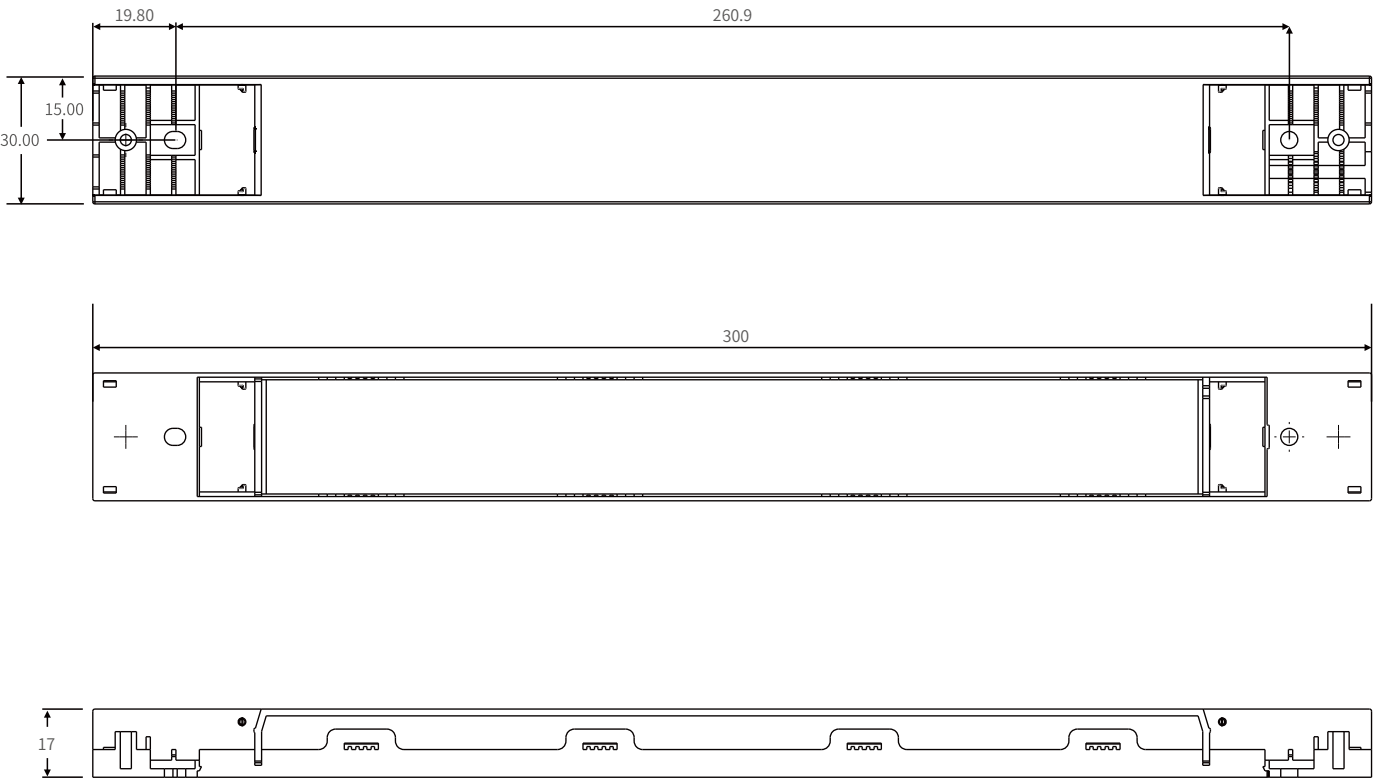


Technical Specs

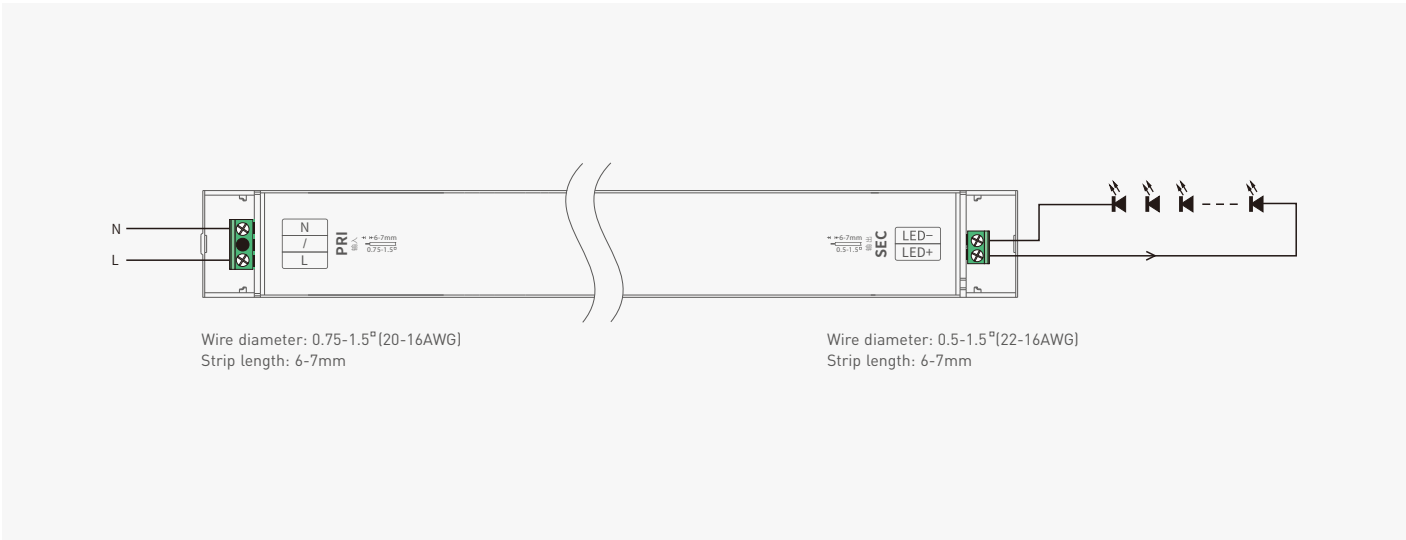
| Model | SN-30-24-G1N | | | |
|--------------|------------------------------|--|--|--|
| Features | Output Type | Constant voltage | | |
| | Output Feature | Isolation | | |
| | Protection Grade | IP20 | | |
| | Insulation Grade | Class II (Suitable for class I/ II /III light fixtures) | | |
| OUTPUT | Output Voltage | 24Vdc | | |
| | Output Voltage Range | 24Vdc±0.5Vdc | | |
| | Output Current | Max. 1.25A | | |
| | Output Power | Max. 30W | | |
| | Output power range | 0-30W | | |
| | Ripple and Noise | 250mVp-p | | |
| INPUT | DC Voltage Range | 220-240Vdc | | |
| | Input Voltage | 220-240Vac | | |
| | Frequency | 50/60Hz | | |
| | Input Current | Max. 0.18A/230Vac | | |
| | Power Factor | PF>0.95, atfullload | | |
| | THD | THD<10%, atfullload | | |
| | Maximum Input Power | Max. 38W | | |
| | Efficiency (Typ.) | 85% | | |
| | Inrush Current | Cold start 30A[Test twidth=162us tested under 50% Ipeak]/230Vac | | |
| | Anti Surge | L-N: 2KV | | |
| ENVIRONMENT | Leakage Current | Max. 0.5mA | | |
| | Working Temperature | ta: -20~45°Ctc: 80°C | | |
| | Working Humidity | 20~95%RH,non-condensing | | |
| | Storage Temperature/Humidity | -40~80°C/10~95%RH | | |
| | Temperature Coefficient | ±0.03%/°C[0-50°C] | | |
| PROTECTION | Vibration | 10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively | | |
| | Overload Protection | Shut down the output when rated power≥102%, auto recovers | | |
| | Overheat Protection | Intelligently adjust or turn off the output current if the PCB temperature ≥110°C, and recover automatically | | |
| | Overvoltage Protection | Shut down the output when voltage≥28V, and recover automatically | | |
| | Short Circuit Protection | Enter hiccup mode if short circuit occurs, and recover automatically | | |
| SAFETY & EMC | Withstand Voltage | I/P-O/P: 3750Vac | | |
| | Insulation Resistance | I/P-O/P: 100MΩ/500VDC/25°C/70%RH | | |
| | SafetyStandards | CCC | China | GB19510.1, GB19510.14 |
| | | TUV | Germany | EN61347-1, EN61347-2-13, EN62493 |
| | | CB | CB Member States | IEC61347-1, IEC61347-2-13 |
| | | CE | European Union | EN61347-1, EN61347-2-13, EN62384 |
| | | KC | Korea | KC61347-1, KC61347-2-13 |
| | | EAC | Russia | IEC61347-1, IEC61347-2-13 |
| | | RCM | Australia | AS61347-1, AS61347-2-13 |
| | | ENEC | Europe | EN61347-1, EN61347-2-13, EN62384 |
| | EMC Emission | UKCA | Britain | BS EN 61347-1, BS EN 61347-2-13, BS EN 62493 |
| | | CCC | China | GB/T17743, GB17625.1 |
| | | CE | European Union | EN55015, EN61000-3-2, EN61000-3-3, EN61547 |
| | | KC | Korea | KSC 9815, KSC 9547 |
| | | EAC | Russia | IEC62493, IEC61547, EH55015 |
| | | RCM | Australia | EN55015, EN61000-3-2, EN61000-3-3, EN61547 |
| | EMC Immunity | UKCA | Britain | BS EN IEC 55015, BS EN IEC 61000-3-2, BS EN 61000-3-3, BS EN 61547 |
| | | EN61000-4-2,3,4,5,6,8,11, EN61547 | | |
| ErP | Power Consumption | No-load power consumption | <0.5W (When the lamp is not connected) | |
| | Flicker/Stroboscopic Effect | IEEE1789 | Meet IEEE 1789 standard/High frequency exemption level | |
| | | CIE SVM | Pst LM≤1.0, SVM≤0.4 | |
| | DF | Phase factor | DF≥0.9 | |
| OTHERS | Weight(N.W.) | 190g±10g | | |
| | Dimensions | 300×30×17mm(L×W×H) | | |

Product Size

Unit: mm



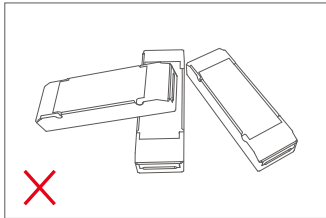
Wiring Diagram



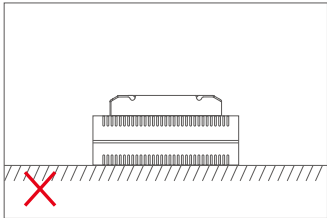
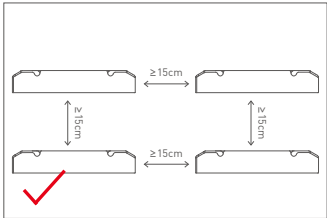
Protective Housing Application Diagram



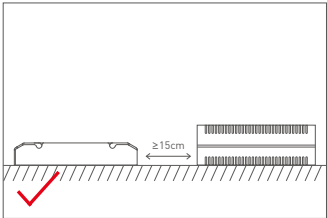
Installation Precautions



Please do not stack the products. The distance between two products should be $\geq 15\text{cm}$ so as not to affect heat dissipation and the lifespan of the products.

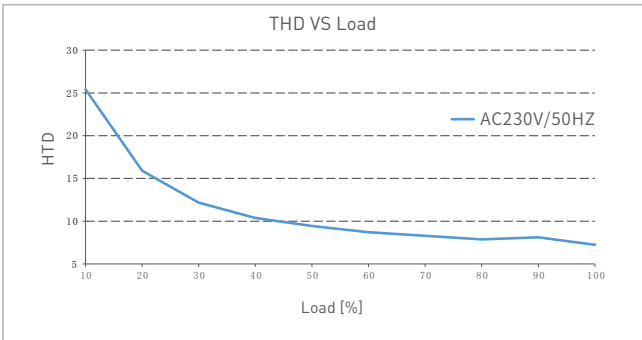
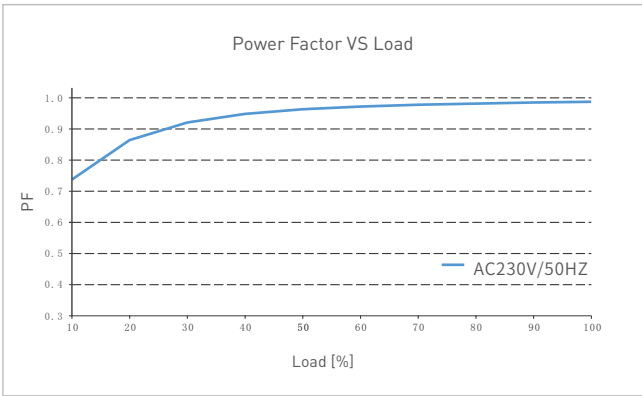
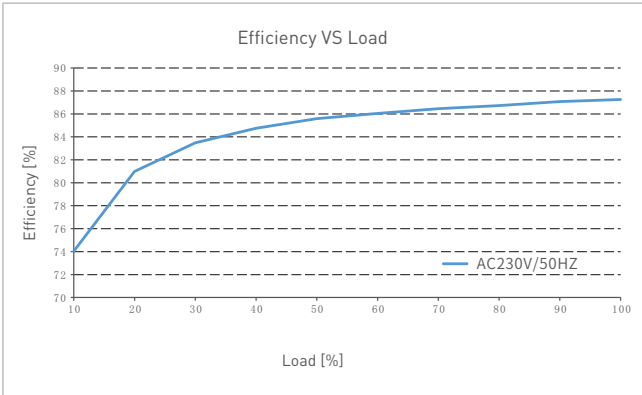


Please not place the products on LED drivers. The distance between the product and the driver should be $\geq 15\text{cm}$ so as not to affect heat dissipation and shorten the lifespan of the products.



Note: The temperature within the installation area should be within the working temperature range of the products. Please do not install products inside LED fixtures to avoid temperature exceeding the working temperature that may affect the product lifetime.

Relationship Diagrams



Transportation and Storage

1. Transportation

Products can be shipped via vehicles, boats and planes.

During transportation, products should be protected from rain and sun. Please avoid severe shock and vibration during the loading and unloading process.

2. Storage

The storage conditions should comply with the Class I Environmental Standards. The products that have been stored for more than six months are recommended to be re-inspected and can be used only after they have been qualified.

Attentions

- This product must be installed and adjusted by a qualified professional.
- LTECH products are and not lightningproof non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a water proof enclosure or in an area equipped with lightning protection devices .
- Good heat dissipation will extend the life the product. Please install the product in a environment with good ventilation.
- When you install this product, please avoid being near a large area of metal objects or stacking them to prevent signal interference.
- Please keep the product away from a intense magnetic field, a high pressure area or a place where lightning is easy to occur.
- Please check whether the working voltage used complies with the parameter requirements of the product.
- Before you power on the product, please make sure all the wiring is correct in case of incorrect connection that may cause a short circuit and damage the components, or trigger a accident.
- If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.

✱ This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

- Warranty periods from the date of delivery: 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

Update Log

| Version | Updated Time | Update Content | Updated by |
|---------|--------------|---|--------------|
| A0 | 20230929 | Original version | Yang Weiling |
| A1 | 20240620 | Update product screen printing; Delete P3 strobe table. | Yang Weiling |