LTECH

SE-40-300-1050-W1A
SE-30-200-800-W1A

**0-10V**

# Intelligent LED Driver (Constant Current)

- Housing made from SAMSUNG/COVESTRO's V0 flame retardant PC materials.
- Ultra small, thin and lightweight, screwless end cap.
- Change the output current, dimming mode and other parameters via the APP.
- Adjustable output current with 1mA step.
- Automatically recognize 0-10V and 1-10V input signal.
- Ultra-low consumption of 0-10V ports < 0.05mA.
- Soft-on and fade-in dimming function enhances your visual comfort.
- T-PWM™ super deep dimming technology, 0.01% dimming depth.
- The whole dimming process is flicker-free with high frequency exemption level.
- Comply with the EU's ErP Directive, networked standby<0.5W.
- When there is no load, the output will be 0V to prevent damage to LEDs due to poor contact.
- Overheat, over voltage, overload, short circuit protection and automatic recovery.
- Suitable for Class Ⅰ / Ⅱ /Ⅲ indoor light fixtures.
- Normal service life can reach 100,000 hours.
- 5-year warranty (Rubycon capacitor).

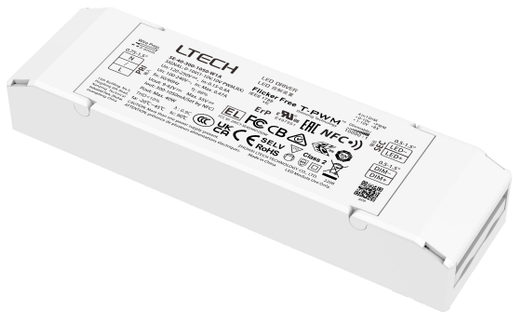
4 in 1 dimming
0-10V
1-10V
10V PWM
RX

DIM

**T-PWM™**
Dimming Technology

**Flicker Free**
IEEE 1789

Dimmable:
10000 : 1



Class 2 ErP

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

NFC
Multi current setting

Overheat Protection

Over voltage protection

Over Load protection

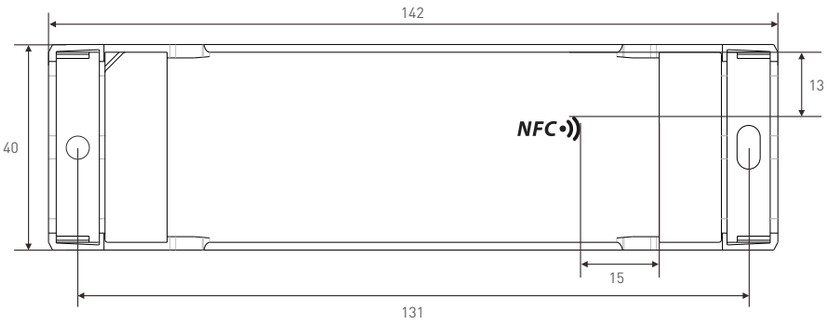
Short circuit protection

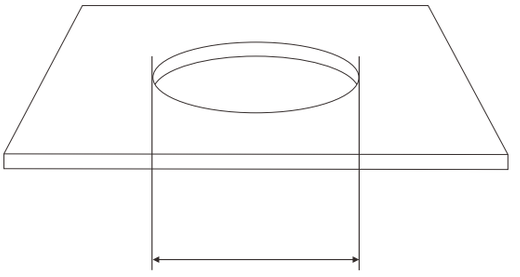
## Technical Specs

| Model | | SE-40-300-1050-W1A | | | SE-30-200-800-W1A |
|---|---|---|---|---|---|
| Features | Output Type | Constant current | | | |
| | Dimming Interface | 0-10V (1-10V, 10V PWM, RX) | | | |
| | Output Feature | Isolation | | | |
| | Protection Grade | IP20 | | | |
| | Insulation Grade | Class II (Suitable for class I/ II /III light fixtures) | | | |
| OUTPUT | Output Voltage | 9-42Vdc | | | |
| | Maximum output voltage | ≤55Vdc | | | |
| | Output Current Range | 300-1050mA | | | 200-800mA |
| | Output Power Range | 2.7W-40W | | | 1.8W-30W |
| | Dimming Range | 0~100%, down to 0.01% | | | |
| | LF Current Ripple | <3%(Maximum current for non dimming state) | | | |
| | Current Accuracy | ±5% | | | |
| | PWM Frequency | ≤3600Hz | | | |
| INPUT | DC Voltage Range | 120-250Vdc | | | |
| | AC Voltage Range | 100-240Vac | | | |
| | EoFi | 100% | | | |
| | Input Voltage | 115Vac/230Vac | | | |
| | Frequency | 50/60Hz | | | |
| | Input Current | ≤0.45A/115Vac, ≤0.22A/230Vac | | | ≤0.34A/115Vac, ≤0.17A/230Vac |
| | Power Factor | PF>0.95/115Vac (at full load), PF>0.9C/230Vac (at full load) | | | |
| | THD | THD≤10%/230Vac, at full load | | | |
| | Efficiency (Typ.) | 88% | | | 87% |
| | Inrush Current | Cold start 25A(Test twidth=130us tested under 50% Ipeak)/230Vac | | | |
| | Anti Surge | L-N: 2KV | | | |
| | Leakage Current | Max. 0.5mA | | | |
| ENVIRONMENT | Working Temperature | ta: -20 ~ 45°C tc: 90°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) | | | |
| | Vibration | 10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively | | | |
| PROTECTION | Overload Protection | Automatically protect the device when the load exceeds 102% of the rated power. Automatically recover once load is reduced | | | |
| | Overheat Protection | Intelligently adjust or turn off the current output if the PCB temperature ≥110°C. When the PCB temperature <90°C, automatically recover normal output | | | |
| | Overvoltage Protection | Automatically protect the device when voltage exceeds the no-load voltage. It can be recovered 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 | | | |
| | Safety Standards | 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 | AS 61347-1, AS 61347-2-13 | |
| | | ENEC | Europe | EN61347-1, EN61347-2-13, EN62384 | |
| | | UKCA | Britain | BS EN 61347-1, BS EN 61347-2-13, BS EN 62493 | |
| | | BIS | India | IS 15885 (PART 2/SEC 13) | |
| | | CUL | Canada | CSA C22.2 NO.250.13 | |
| | | UL | America | UL 8750 | |
| | EMC Emission | 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 | |
| | | UKCA | Britain | BS EN IEC 55015, BS EN IEC 61000-3-2, BS EN 61000-3-3, BS EN 61547 | |
| | | CUL | Canada | ICES-005 | |
| | | UL | America | FCC PART 15B | |
| | EMC Immunity | EN61000-4-2,3,4,5,6,8,11, EN61547 | | | |
| ErP | Power Consumption | Networked standby | | <0.5W (After shutdown by command) | |
| | | No-load power consumption | | <0.5W (When the lamp is not connected) | |
| | Flicker/Stroboscopic Effect | IEEE 1789 | | 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.) | 170g±10g | | | 150g±10g |
| | Dimensions | 142×40×23mm(L×W×H) | | | |

## Product Size

Unit：mm





Minimum hole size: φ48mm (1,89")

## Wiring Diagram

0-10V Connection

Wire diameter: 0.75-1.5²(22-16AWG)
Strip length: 5-6mm

Wire diameter: 0.5-1.5²(22-16AWG)
Strip length: 5-6mm

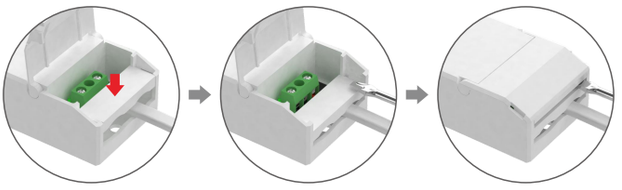
## Table of Typical Corresponding Parameters for Current

| The typical 16 current data sets below are for reference when selecting LED fixture models. More current levels can be set by NFC using mobile APP with 300-1050mA adjustable in 1mA step | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SE-40-300-1050-W1A | Output Current | 300mA | 350mA | 400mA | 450mA | 500mA | 550mA | 600mA | 650mA |
| | Output Voltage | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc |
| | Output Power | 2.7-12.6W | 3.15-14.7W | 3.6-16.8W | 4.05-18.9W | 4.5-21W | 4.95-23.1W | 5.4-25.2W | 5.85-27.3W |
| | Output Current | 700mA | 750mA | 800mA | 850mA | 900mA | 950mA | 1000mA | 1050mA |
| | Output Voltage | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-40Vdc | 9-38Vdc |
| | Output Power | 6.3-29.4W | 6.75-31.5W | 7.2-33.6W | 7.65-35.7W | 8.1-37.8W | 8.54-39.9W | 9-40W | 9.45-40W |

| The typical 13 current data sets below are for reference when selecting LED fixture models. More current levels can be set by NFC using mobile APP with 200-800mA adjustable in 1mA step | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SE-30-200-800-W1A | Output Current | 200mA | 250mA | 300mA | 350mA | 400mA | 450mA | 500mA | 550mA |
| | Output Voltage | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc |
| | Output Power | 1.8-8.4W | 2.25-10.5W | 2.7-12.6W | 3.15-14.7W | 3.6-16.8W | 4.05-18.9W | 4.5-21W | 4.95-23.1W |
| | Output Current | 600mA | 650mA | 700mA | 750mA | 800mA | / | / | / |
| | Output Voltage | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-40Vdc | 9-37.5Vdc | / | / | / |
| | Output Power | 5.4-25.2W | 5.85-27.3W | 6.3-29.4W | 6.75-30W | 7.2-30W | / | / | / |

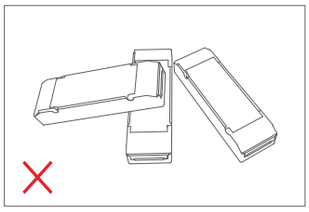
## Application Diagram of Protective Cover

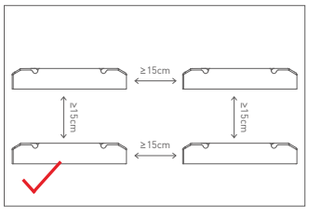
1. Put the head of a screwdriver on the side of the housing to pry up both the protective cover and wire fixing board. Then remove the wire fixing board and connect to the wires as wiring diagram shows.



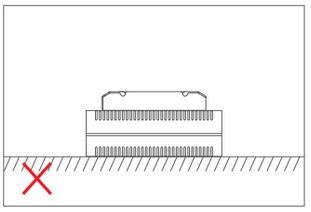
2. Install the wire fixing board and press it down. Then snap on the protective cover while pressing the wire fixing board with a small flat-head screwdriver

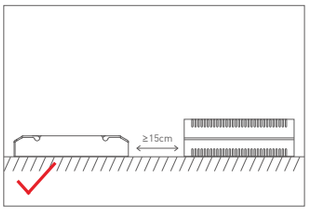
## Installation Precautions






Please do not stack the products. The distance between two products should be ≥15cm so as not to affect heat dissipation or the lifetime of the products.






Please not place the products on power supplies. The distance between the product and the power supplies should be ≥15cm so as not to affect heat dissipation or shorten the lifetime 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.

# Use the NFC Lighting APP

Scan the QR code below with your mobile phone and follow the prompts to complete the APP installation (According to performance requirements, you need to use a NFC-capable Android phone, or an iphone 8 and later that are compatible with iOS 13 or higher).

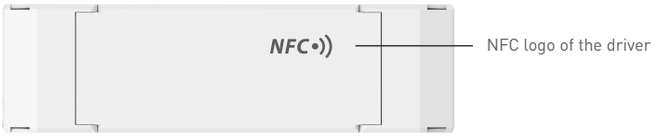
**∗ Before you begin setting the parameters of the driver, please make sure the driver is powered off.**

## Read/Write the LED driver

Use your NFC-capable phone to read LED driver data, then edit the parameters and they can be directly written to the driver.

**1. Read the LED driver**

On the APP home page, click【Read/Write LED driver】, then keep the programmer's sensing area close to the NFC logo of the driver to read the driver parameters.

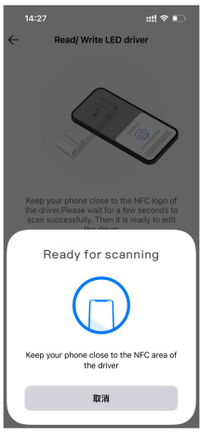


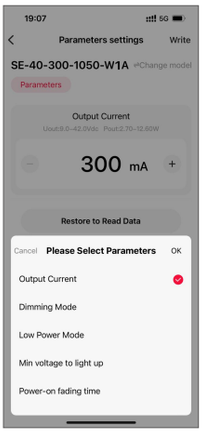

**2. Edit the parameters**

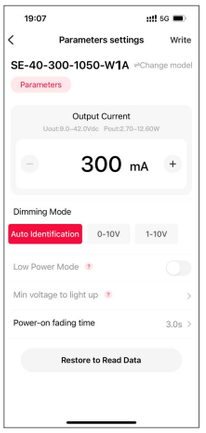
Click【Parameter settings】to edit the advanced parameters, like output current, dimming mode, low power mode, etc.

**3. Write to the driver**

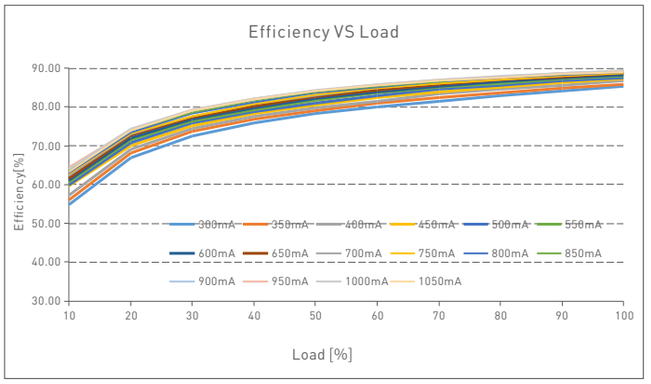
After completing the parameter settings, click 【Write】 in the upper right corner, and keep the programmer's sensing area close to the NFC logo of the driver, so the parameters can be written to the driver.

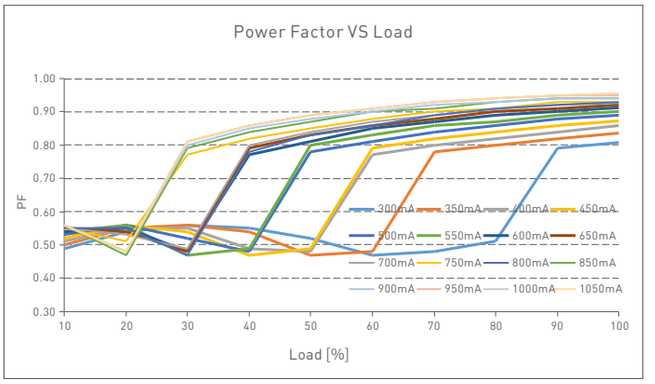


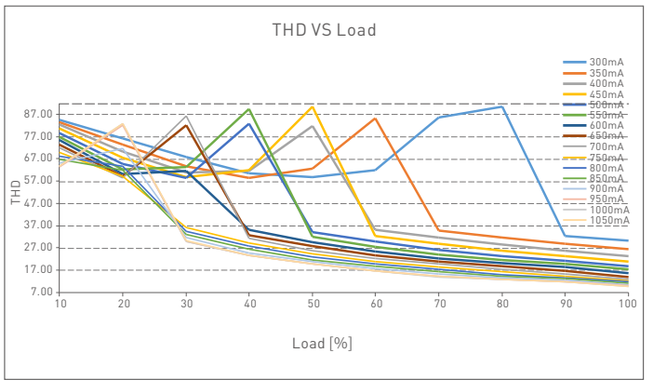



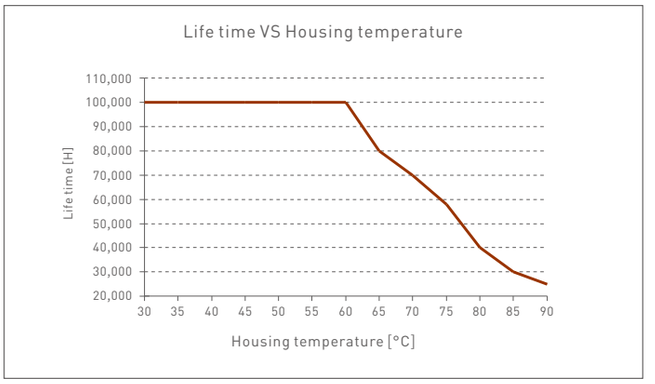



## Relationship Diagrams

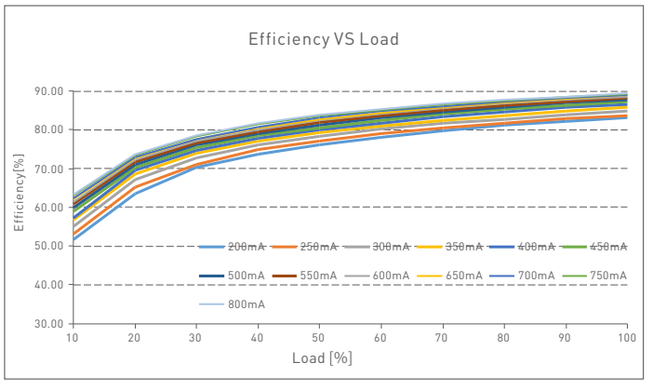


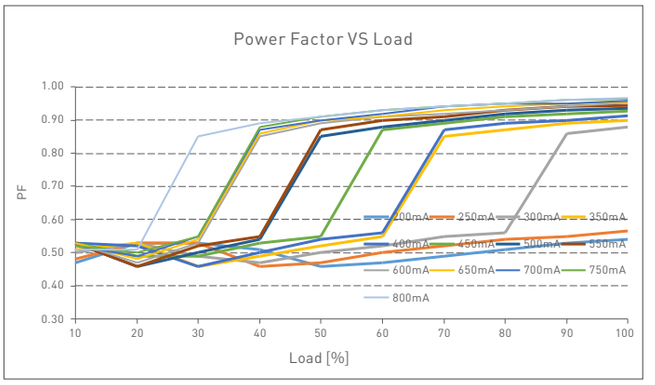



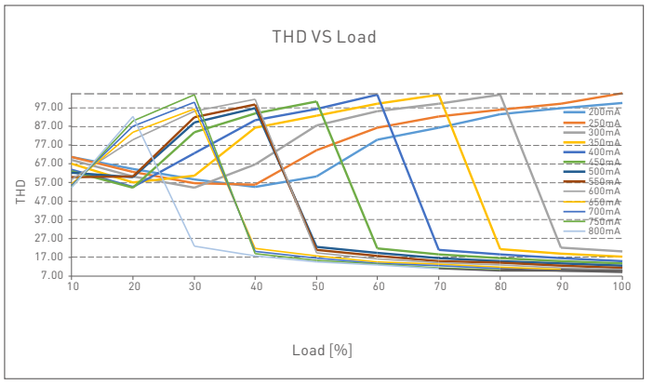



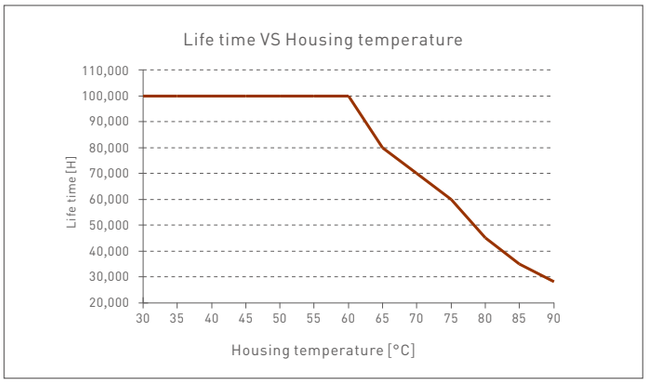




**SE-40-300-1050-W1A**



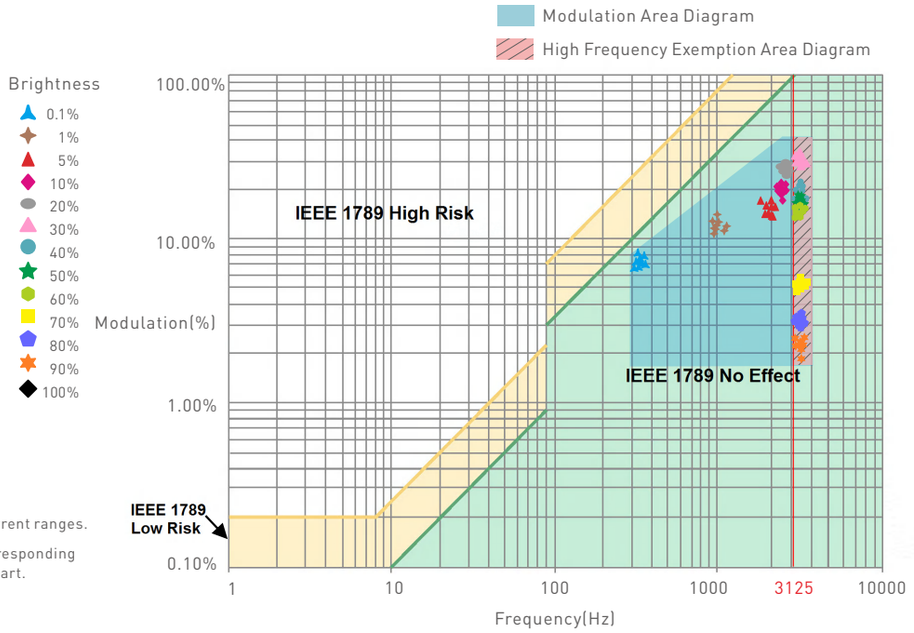




**SE-30-200-800-W1A**

## Flicker Test Sheet

IEEE 1789

| Limit of modulation in low risk area | |
|---|---|
| Waveform frequency of optical output | limit [%] |
| $f \leqslant 8Hz$ | 0.2 |
| $8Hz < f \leqslant 90Hz$ | $0.025 \times f$ |
| $90Hz < f \leqslant 1250Hz$ | $0.08 \times f$ |
| $f > 1250Hz$ | Exemption assessment |
| Limit of modulation in no effect area | |
| Waveform frequency of optical output | limit [%] |
| $f \leqslant 10Hz$ | 0.1 |
| $10Hz < f \leqslant 90Hz$ | $0.01 \times f$ |
| $90Hz < f \leqslant 3125Hz$ | $[0.08/2.5] \times f$ |
| $f > 3125Hz$ | Exemption assessment (High frequency exemption) |



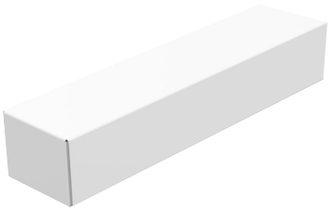

Marks in the right chart were tested results of different current ranges.

The output frequeny is 0Hz in 100% brightness and its corresponding modulation is 0%, which could not be shown in the right chart.

## Packaging Specifications

| | | |
|---|---|---|
| Model | SE-40-300-1050-W1A | SE-30-200-800-W1A |
| Carton Dimensions | 320×275×106mm(L×W×H) | 320×275×106mm(L×W×H) |
| Quantity | 20 PCS/Layer; 2 Layers/Carton; 40 PCS/Carton | 20 PCS/Layer; 2 Layers/Carton; 40 PCS/Carton |
| Weight | 0.17 kg/PC; 7.6 kg±5%/Carton | 0.15 kg/PC; 6.8 kg±5%/Carton |

## Packaging Image



Inner Packaging Box

Carton Packaging

## 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

- Products shall be installed by qualified professionals.
- 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 prolong the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products.
- The diameter of wire used must be able to load the light fixtures you connect and ensure the firm wiring.
- Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

* 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 | 2023.02.23 | Original version | Liu Weili |

LTECH

SE-40-300-1050-W1A
SE-30-200-800-W1A

**0-10V**

# LED智能调光驱动器 (恒流型)

- 外壳采用科思创/三星PC阻燃V0级原料
- 超小体积、轻薄、免螺丝端盖设计
- 通过手机APP可更改输出电流、调光方式等参数，实现驱动器数据交互功能
- 电流步进值低至1mA，兼容性更高更精细
- 自动识别0-10V、1-10V输入
- 0-10V端口超低消耗<0.05mA
- 带软启动渐亮功能，让人眼视觉更舒服
- T-PWM™ 超深度调光技术，调光深度可达0.01%
- 0-100%全程调光无可视频闪, 高频豁免考核级别
- 欧盟ERP空载功耗、网络待机功耗＜0.5W
- 空载0V输出，防止接触不良损坏LED灯具
- 过温、过载、短路保护，可自动恢复
- 适合室内Ⅰ、Ⅱ、Ⅲ类灯具应用
- 常规使用下寿命可达10万小时
- 5年保修期（采用红宝石电容）

4合1调光
0-10V
1-10V
10V PWM
RX

调光

**T-PWM™**
超深度调光技术

**无频闪**
IEEE 1789
高频豁免考核级别

Dimmable:
10000 : 1

认证图标仅代表产品正在进行这一系列的认证申请，认证资质以产品实物为准。

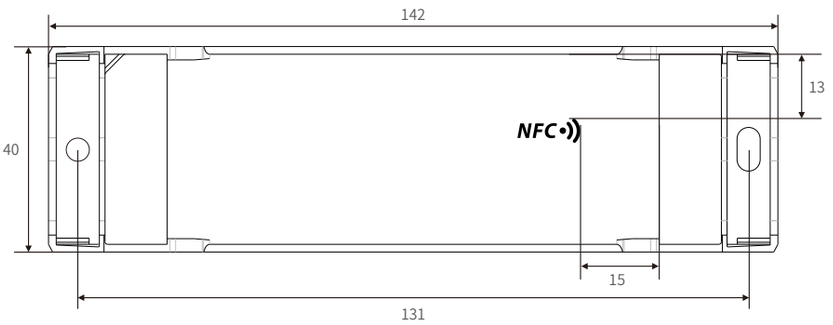
多电流设置　过温保护　过压保护　过载保护　短路保护

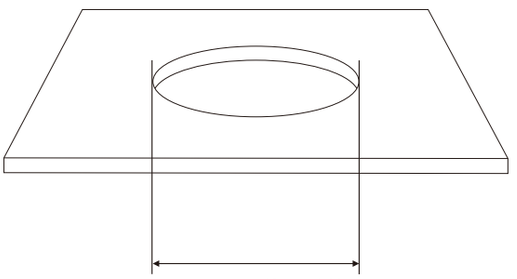
## 技术参数

| 型号 | | SE-40-300-1050-W1A | | | SE-30-200-800-W1A |
|---|---|---|---|---|---|
| 特征 | 输出类型 | 恒流 | | | |
| | 调光接口 | 0-10V (1-10V, 10V PWM, RX) | | | |
| | 输出特征 | 隔离 | | | |
| | 防护等级 | IP20 | | | |
| | 绝缘等级 | II 类 (适用于室内Ⅰ、Ⅱ、Ⅲ类灯具) | | | |
| 输出 | 输出电压 | 9-42Vdc | | | |
| | 最大输出电压(空载) | ≤55Vdc | | | |
| | 工作电流范围 | 300-1050mA | | | 200-800mA |
| | 负载功率范围 | 2.7W~40W | | | 1.8W~30W |
| | 调光范围 | 0~100%，调光深度: 0.01% | | | |
| | 电流纹波 | <3%(输出最大电流非调光状态) | | | |
| | 电流精度 | ±5% | | | |
| | PWM频率 | ≤3600Hz | | | |
| 输入 | 直流电压范围 | 120-250Vdc | | | |
| | 交流电压范围 | 100-240Vac | | | |
| | 额定电压 | 115Vac/230Vac | | | |
| | 应急输出系数 | EoF=100% | | | |
| | 频率范围 | 50/60Hz | | | |
| | 输入电流 | ≤0.45A/115Vac，≤0.22A/230Vac | | | ≤0.34A/115Vac，≤0.17A/230Vac |
| | 功率因数 | PF>0.95/115Vac (满载)，PF>0.9C/230Vac (满载) | | | |
| | 谐波THD | THD≤10%/230Vac (满载) | | | |
| | 效率(Typ.) | 88%@950mA (满载) | | | 87%@750mA (满载) |
| | 浪涌电流 | 冷启动, 25A (在50%Ipeak下测twidth=130us)@230Vac | | | |
| | 抗浪涌 | L-N: 2KV | | | |
| | 漏电流 | Max. 0.5mA | | | |
| 环境 | 工作温度 | ta: -20 ~ 45°C　tc: 90°C | | | |
| | 工作湿度 | 20 ~ 95%RH, 无冷凝 | | | |
| | 储存温度/湿度 | -40 ~ 80°C/10~95%RH | | | |
| | 温度系数 | ±0.03%/°C(0-50°C) | | | |
| | 耐振动 | 10-500HZ, 2G 12分钟/周期，X, Y, Z轴各72分钟 | | | |
| 保护 | 过载保护 | 负载超过额定功率≥1.02倍时自动保护，减轻负载自动恢复 | | | |
| | 过温保护 | 根据PCB温度超标情况(≥110°C)，智能调节电流输出或关闭，可自动恢复；PCB温度＜90°C时，可自动恢复正常输出 | | | |
| | 过压保护 | 超过空载电压值进入保护，可自行恢复 | | | |
| | 短路保护 | 输出线路短路进入打嗝模式，可自动恢复 | | | |
| 安规和电磁规格 | 耐压 | 输入对输出：3750Vac | | | |
| | 绝缘阻抗 | 输入对输出：100MΩ/500VDC/25°C/70%RH | | | |
| | 安全规范 | CCC | 中国 | GB19510.1, GB19510.14 | |
| | | TUV | 德国 | EN61347-1, EN61347-2-13, EN62493 | |
| | | CB | CB成员国 | IEC61347-1, IEC61347-2-13 | |
| | | CE | 欧盟 | EN61347-1, EN61347-2-13, EN62384 | |
| | | KC | 韩国 | KC61347-1, KC61347-2-13 | |
| | | EAC | 俄罗斯 | IEC61347-1, IEC61347-2-13 | |
| | | RCM | 澳洲 | AS 61347-1, AS 61347-2-13 | |
| | | ENEC | 欧洲 | EN61347-1, EN61347-2-13, EN62384 | |
| | | UKCA | 英国 | BS EN 61347-1，BS EN 61347-2-13，BS EN 62493 | |
| | | BIS | 印度 | IS 15885 (PART 2/SEC 13) | |
| | | CUL | 加拿大 | CSA C22.2 No.250.13 | |
| | | UL | 美国 | UL 8750 | |
| | 电磁兼容发射 | CCC | 中国 | GB/T17743, GB17625.1 | |
| | | CE | 欧盟 | EN55015, EN61000-3-2, EN61000-3-3, EN61547 | |
| | | KC | 韩国 | KSC 9815, KSC 9547 | |
| | | EAC | 俄罗斯 | IEC62493, IEC61547, EH55015 | |
| | | RCM | 澳洲 | EN55015, EN61000-3-2, EN61000-3-3, EN61547 | |
| | | UKCA | 英国 | BS EN IEC 55015，BS EN IEC 61000-3-2，BS EN 61000-3-3，BS EN 61547 | |
| | | CUL | 加拿大 | ICES-005 | |
| | | UL | 美国 | FCC part 15B | |
| | 电磁兼容抗扰度 | EN61000-4-2,3,4,5,6,8,11，EN61547 | | | |
| ErP | 功耗 | 网络待机功耗 | | ＜0.5W（通过指令开关后） | |
| | | 空载功耗 | | ＜0.5W（不接灯具时） | |
| | 频闪/频闪效应 | IEEE 1789 | | 满足无影响/高频豁免考核级别 | |
| | | CIE SVM | | Pst LM≤1.0，SVM≤0.4 | |
| | DF | 相位因素 | | DF≥0.9 | |
| 其他 | 产品重量 | 170g±10g | | | 140g±10g |
| | 产品尺寸 | 142×40×23mm(L×W×H) | | | |

## 尺寸图

单位：mm

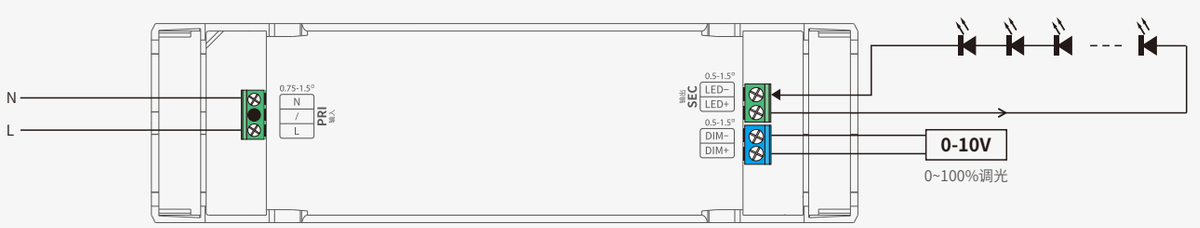




最小开孔尺寸:ϕ48mm (1.89'')

## 连接应用图

0-10V 连接方式




线径: 0.75-1.5² (20-16AWG)
剥线长度：5-6mm

线径: 0.5-1.5² (22-16AWG)
剥线长度：5-6mm

## 典型电流对应参数表

| 下图典型16组电流数据供选型参考，均可通过手机APP NFC设置更多电流，可设置范围在300-1050mA，电流步进值低至1mA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SE-40-300-1050-W1A | 输出电流 | 300mA | 350mA | 400mA | 450mA | 500mA | 550mA | 600mA | 650mA |
| | 输出电压 | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc |
| | 输出功率 | 2.7-12.6W | 3.15-14.7W | 3.6-16.8W | 4.05-18.9W | 4.5-21W | 4.95-23.1W | 5.4-25.2W | 5.85-27.3W |
| | 输出电流 | 700mA | 750mA | 800mA | 850mA | 900mA | 950mA | 1000mA | 1050mA |
| | 输出电压 | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-40Vdc | 9-38Vdc |
| | 输出功率 | 6.3-29.4W | 6.75-31.5W | 7.2-33.6W | 7.65-35.7W | 8.1-37.8W | 8.54-39.9W | 9-40W | 9.45-40W |

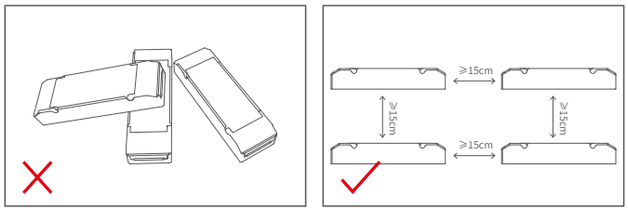
| 下图典型13组电流数据供选型参考，均可通过手机APP NFC设置更多电流，可设置范围在200-800mA，电流步进值低至1mA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SE-30-200-800-W1A | 输出电流 | 200mA | 250mA | 300mA | 350mA | 400mA | 450mA | 500mA | 550mA |
| | 输出电压 | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-42Vdc |
| | 输出功率 | 1.8-8.4W | 2.25-10.5W | 2.7-12.6W | 3.15-14.7W | 3.6-16.8W | 4.05-18.9W | 4.5-21W | 4.95-23.1W |
| | 输出电流 | 600mA | 650mA | 700mA | 750mA | 800mA | / | / | / |
| | 输出电压 | 9-42Vdc | 9-42Vdc | 9-42Vdc | 9-40Vdc | 9-37.5Vdc | / | / | / |
| | 输出功率 | 5.4-25.2W | 5.85-27.3W | 6.3-29.4W | 6.75-30W | 7.2-30W | / | / | / |

## 保护盖应用图

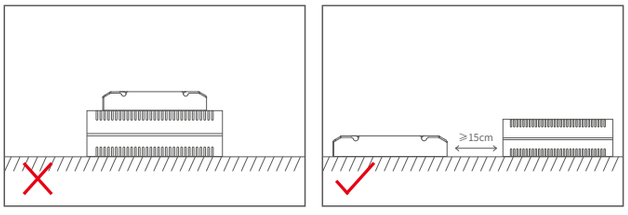
1. 在侧板处使用螺丝批撬起保护盖，并撬起压线板将其拆下后，按照接线图进行接线。

2. 装上压线板并向下按压，使用小一字螺丝批按住压线板的同时，将保护盖向下扣合即可。

## 安装注意事项




请勿将产品堆叠摆放，产品与产品间隔距离应≥15cm，避免影响产品散热和使用寿命。




请勿将产品置于电源上方，与电源间隔距离应≥15cm，避免影响产品散热而减少使用寿命。

注：安装需符合产品的环境工作温度，切勿安装到灯具内部，以免超出产品环境工作温度影响产品寿命。

# 搭配 NFC Lighting APP 使用

通过手机扫描下方二维码， 按提示完成APP安装。(因性能需求，要求手机型号苹果：iPhone 8及以上、且操作系统iOS13及以上； 安卓：具备NFC功能机型）

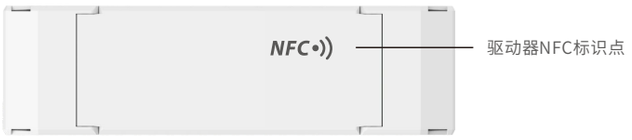
**＊ 设置驱动器参数时，必须在驱动器断电情况下进行操作。**

## 读/写智能电源

使用手机，通过NFC读取驱动器信息，根据需求设置参数后，可直接写入驱动器。

**1. 读取驱动器**

在APP “首页” 点击【读/写智能电源】，将手机感应区域靠近驱动器NFC标识点，读取驱动器参数。



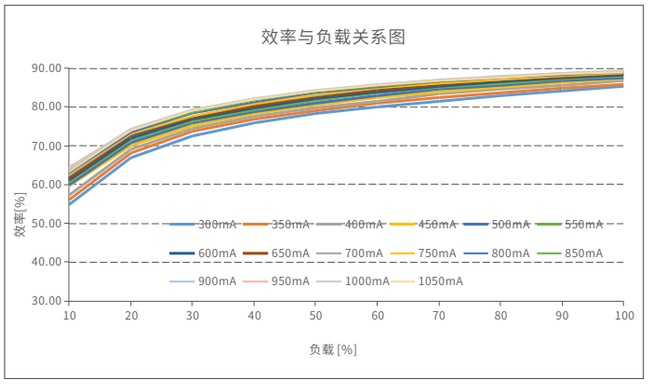

**2. 编辑参数**

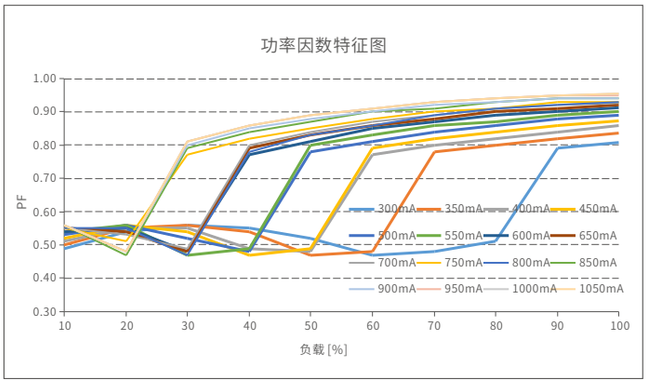
点击【参数管理】可编辑输出电流、调光方式、通电渐变时间等更多高级参数。

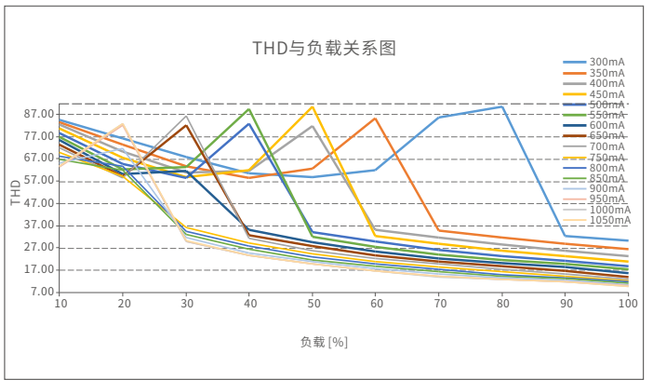
**3. 写入驱动器**

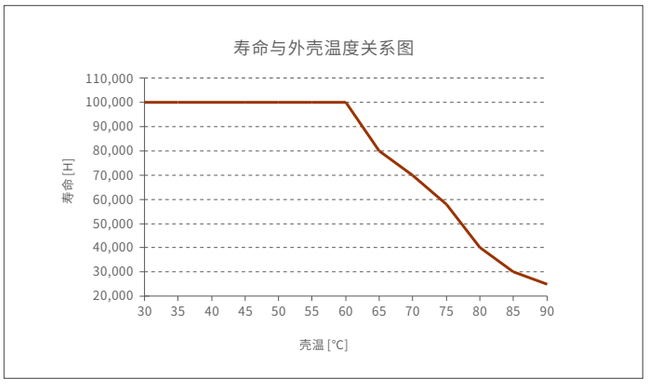
参数设置完成后， 点击右上角【写入】， 将手机感应区域靠近驱动器NFC标识点， 即可写入驱动器成功修改参数。

## 关系图表

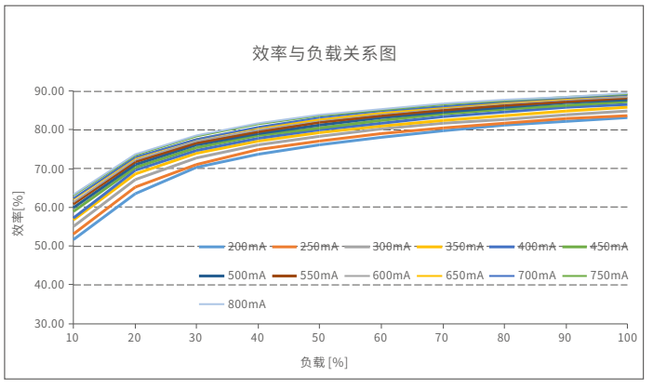


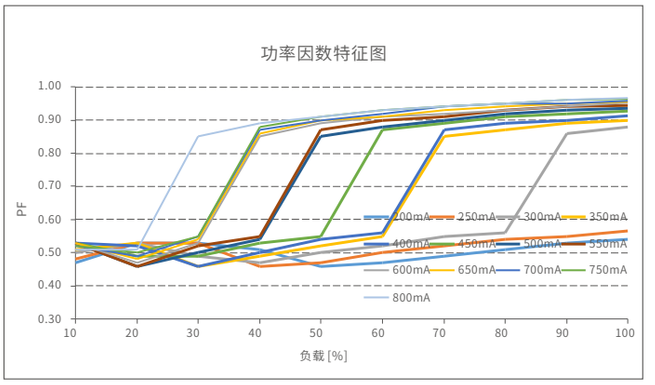



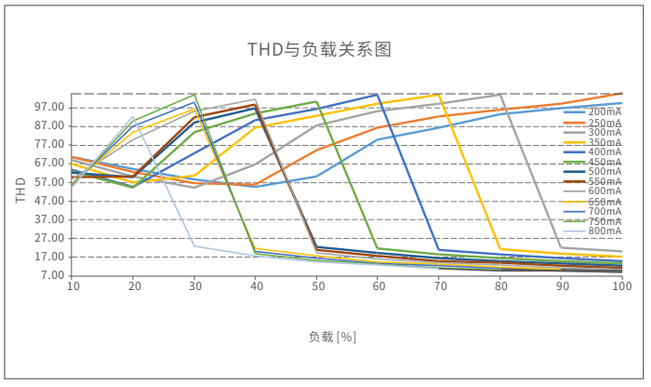



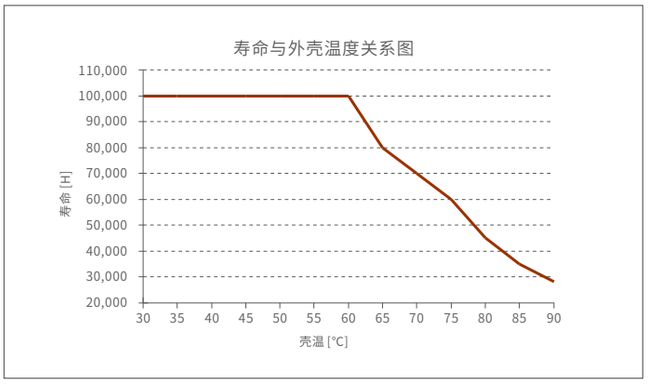




**SE-40-300-1050-W1A**




**SE-30-200-800-W1A**

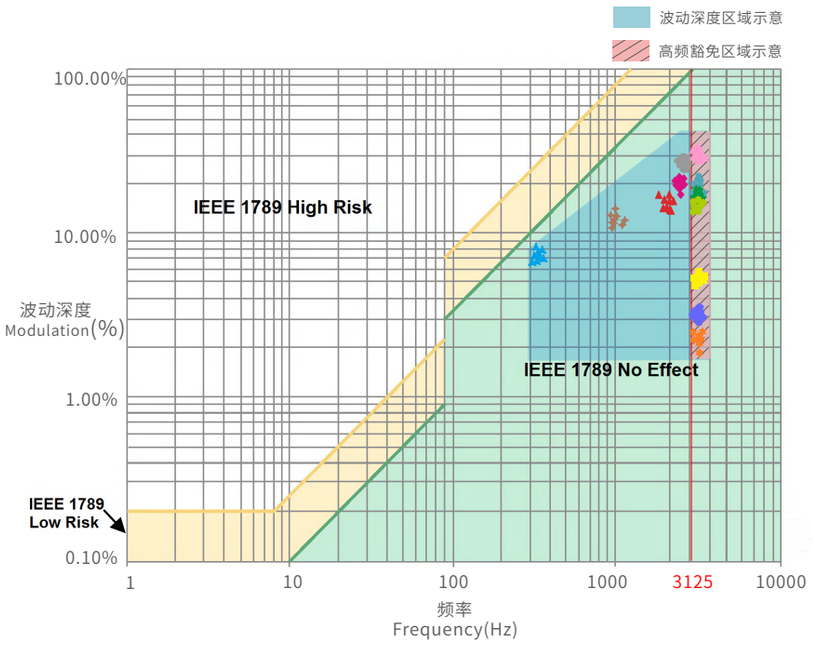
## 频闪测试表

IEEE 1789

| 低风险区域（Low Risk）的波动深度（Modulation）限值 | |
|---|---|
| 光输出波形频率 $f$ | 限值（%） |
| $f \leqslant 8Hz$ | 0.2 |
| $8Hz < f \leqslant 90Hz$ | $0.025 \times f$ |
| $90Hz < f \leqslant 1250Hz$ | $0.08 \times f$ |
| $f > 1250Hz$ | 免除考核 |
| 无风险区域（No Effect）的波动深度（Modulation）限值 | |
| 光输出波形频率 $f$ | 限值（%） |
| $f \leqslant 10Hz$ | 0.1 |
| $10Hz < f \leqslant 90Hz$ | $0.01 \times f$ |
| $90Hz < f \leqslant 3125Hz$ | $(0.08/2.5) \times f$ |
| $f > 3125Hz$ | 免除考核（高频豁免） |

亮度

- 0.1%
- 1%
- 5%
- 10%
- 20%
- 30%
- 40%
- 50%
- 60%
- 70%
- 80%
- 90%
- 100%



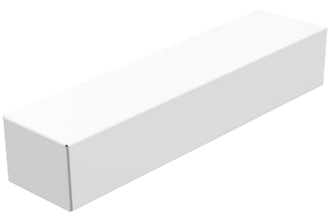

右图标识为不同电流档的测试结果。

100%亮度时输出频率为0Hz，对应波动深度为0%，无法在右图中示意。

## 包装规格

| 型号 | SE-40-300-1050-W1A | SE-30-200-800-W1A |
|---|---|---|
| 包装箱尺寸 | 320×275×106mm(L×W×H) | 320×275×106mm(L×W×H) |
| 数量 | 20PCS/层；2层/箱；40PCS/箱 | 20PCS/层； 2层/箱； 40PCS/箱 |
| 重量 | 0.17kg/PC; 7.6kg±5%/箱 | 0.15kg/PC; 6.8kg±5%/箱 |

## 包装样式图



内包装盒

整箱包装

## 运输和贮存

1. 运输

产品适用车、船、飞机交通运输工具运输。

在运输中，应使用遮蓬进行防雨和防晒，并保持文明装卸，不应有剧烈振动、撞击等。

2. 贮存

贮存符合 I 类环境的规定。贮存期限超过6个月的产品建议重新检验，合格后方可使用。

## 注意事项

- 请由具有专业资格的人员进行调试安装；
- 雷特产品（专有型号除外）不能防水防雷，需避免日晒雨淋，如安装在户外，请用防水箱和防雷装置；
- 良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境；
- 请检查使用的工作电压是否符合产品的参数要求；
- 使用的电线直径大小必须能足够负载连接的LED 灯具，并确保接线牢固；
- 通电调试前，应确保所有接线正确， 以避免因接线错误而导致灯具损坏；
- 如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

* 本说明书的内容如有变更，恕不另行通知。若内容与您使用的功能有所不同，则以实物为准。如有疑问，欢迎向我司授权的经销商咨询。

## 保修条例

- 自出厂之日起保修服务期为5年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例:

属下列情况不在免费保修或更换服务范围之内:

- 已经超出保修服务期;
- 过高电压、超负载、操作不当等人为造成的损坏;
- 产品外形严重损坏或变形;
- 自然灾害以及人力不可抗拒原因造成的损坏;
- 产品保修标签和产品唯一条形码损坏;
- 无雷特签订的合同或发票凭证。

1. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿责任, 除非在适用法律范围之内。
2. 雷特享有修正或调整本保修条款的权利, 并以书面形式发布为准。

珠海雷特科技股份有限公司

地　　址：珠海市南屏科技工业园屏东六路3号15栋　　网　　址：www.ltech.cn

## 更新日志

| 版本 | 更改日期 | 更改内容 | 更改人 |
| --- | --- | --- | --- |
| A0 | 2022.10.09 | 正稿 | 刘伟丽 |