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, power-on fading time and other parameters $% \left(\frac{1}{2}\right) =\frac{1}{2}\left(\frac{1}{2}\right) =\frac{1}$
- Adjustable output current with 1mA step.
- Bluetooth 5.0 SIG Mesh with high networking capability is reliable and stable.
- Gain control on iOS or Android devices through Bluetooth connection.
- Soft-on and fade-in dimming function enhances your visual comfort.
- T-PWM™ dimming technology allows quality and high-end lighting.
- $\bullet\,$ The whole dimming process is flicker-free with high frequency exemption level.
- Dimming from 0~100%, down to 0.0001%.
- $\bullet\,$ Comply with the EU's ErP Directive, networked standby<0.5W.
- $\bullet\,$ 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.
- \bullet Suitable for Class I / II / III indoor light fixtures.
- Normal service life can reach 100,000 hours.
- 5-year warranty (Rubycon capacitor).







Flicker Free

Dimmable: 1000000:1











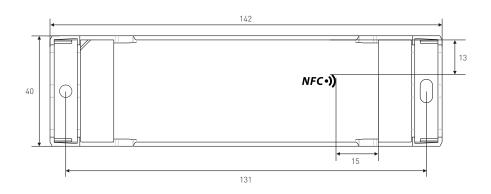


Tochnical Space

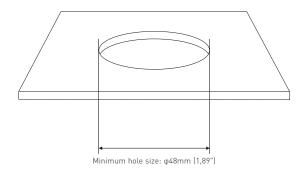
| Model | | SE-40-3 | 300-1050-W1B | | SE-30-200-800-W1B | | | | |
|--------------------|--|---|--|--|---|--|--|--|--|
| | Output Type | Constant current | | | | | | | |
| | Dimming Interface | Bluetooth 5.0 SIG Mesh | | | | | | | |
| Features | Output Feature | Isolation | | | | | | | |
| | Protection Grade | IP20 | | | | | | | |
| | Insulation Grade | Class II (Suitable for class I/ II / III light fixtures) | | | | | | | |
| | Output Voltage | 9-42Vdc | | | | | | | |
| | Maximum output voltage | ≤55Vdc | | | | | | | |
| | Output Current Range | 300-1050mA 200-800mA | | | | | | | |
| | Output Power Range | 2.7W-40 | | | 1.8W-30W | | | | |
| OUTPUT | Dimming Range | 0~100% | , down to 0.0001% | | | | | | |
| | LF Current Ripple | | aximum current for non o | dimming state) | | | | | |
| | Current Accuracy | ±5% | | J | | | | | |
| | PWM Frequency | ≤3600Hz | | | | | | | |
| | DC Voltage Range | 120-250Vdc | | | | | | | |
| | AC Voltage Range | 100-240Vac | | | | | | | |
| | EoFi | 100% | | | | | | | |
| | Input Voltage | 115Vac/230Vac | | | | | | | |
| | Frequency | 50/60Hz | | | | | | | |
| | Input Current | | 115Vac, ≤0.22A/230Vac | | ≤0.34A/115Vac, ≤0.17A/230Vac | | | | |
| | Power Factor | 80.45A/115Vac, \$0.17A/230Vac PF>0.95/115Vac (at full load), PF>0.9C/230Vac (at full load) | | | | | | | |
| INPUT | THD | THD<10%/230Vac, at full load | | | | | | | |
| 01 | Efficiency (Typ.) | | 50mA (at full load) | | | | | | |
| | Inrush Current | Cold start 25A(Test twidth=130us tested under 50% Ipeak)/230Vac | | | | | | | |
| | Anti Surge | L-N: 2KV | | | | | | | |
| | Leakage Current | Max. 0.5mA | | | | | | | |
| | Working Temperature | ta: -20 ~ 45°C tc: 90°C | | | | | | | |
| ENVIRONMENT | Working Humidity | ta: -20 ~ 45°C tc: 90°C 20 ~ 95%RH, non-condensing | | | | | | | |
| | Storage Temperature/Humidity | | | | | | | | |
| NVINONMENT | Temperature Coefficient | ±0.03%/°C[0-50°C] | | | | | | | |
| | Vibration | ±0.03%/°C(0-50°C) 10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively | | | | | | | |
| | 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 | | | | | | | |
| PROTECTION | 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 | | | | | | | |
| | Withstand Voltage | I/P-0/P: 3750Vac | | | | | | | |
| | Insulation Resistance | I/P-0/P: 100MΩ/500VDC/25°C/70%RH | | | | | | | |
| | misutation itesistance | CCC | China GB19510.1, GB19510.14 | | | | | | |
| | | | | EN61347-1, EN61347-2-13, EN62493 | | | | | |
| | | I IUV | | | | | | | |
| | | TUV | Germany CB Member States | | | | | | |
| | | СВ | CB Member States | IEC61347-1, IEC61347-2-13 | | | | | |
| | | CB CE | CB Member States European Union | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 | | | | | |
| | Safety Standards | CB CE KC | CB Member States European Union Korea | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 | | | | | |
| | Safety Standards | CB CE KC EAC | CB Member States European Union Korea Russia | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 | | | | | |
| | Safety Standards | CB CE KC EAC RCM | CB Member States European Union Korea Russia Australia | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 | | | | | |
| SAFFTY | Safety Standards | CB CE KC EAC RCM ENEC | CB Member States European Union Korea Russia Australia Europe | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 | 1427.02 | | | | |
| SAFETY & | Safety Standards | CB CE KC EAC RCM ENEC UKCA | CB Member States European Union Korea Russia Australia Europe Britain | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN | 1 62493 | | | | |
| SAFETY & EMC | Safety Standards | CB CE KC EAC RCM ENEC UKCA BIS | CB Member States European Union Korea Russia Australia Europe Britain India | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) | 1 62493 | | | | |
| & | Safety Standards | CB CE KC EAC RCM ENEC UKCA BIS CUL | CB Member States European Union Korea Russia Australia Europe Britain India Canada | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 | 1 62493 | | | | |
| & | Safety Standards | CB CE KC EAC RCM ENEC UKCA BIS CUL UL | CB Member States European Union Korea Russia Australia Europe Britain India Canada America | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 | 1 62493 | | | | |
| & | Safety Standards | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 | | | | | |
| & | | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, E1 | | | | | |
| & | Safety Standards EMC Emission | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, ENKSC 9815, KSC 9547 | | | | | |
| & | | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 | N61547 | | | | |
| & | | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 IS 15885 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN | N61547 N61547 | | | | |
| & | | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, E1 KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, E1 BS EN IEC 55015, BS EN IEC 61000-3-2, E | N61547 N61547 | | | | |
| & | | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UL CUL CCC CC C | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, ENGES-005 | N61547 N61547 | | | | |
| & | EMC Emission | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC KC EAC CUL UL UL CUL UL U | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, EN BS EN IEC 65015, BS EN IEC 61000-3-2, EN ICES-005 FCC PART 15B | N61547 N61547 | | | | |
| & | EMC Emission | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC KC EAC CUL UL CCC UKCA EN610 UL CCC CE CE CC CE CC CC CC CC CC CC CC CC | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America China European Union | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, EN BS EN IEC 65015, BS EN IEC 61000-3-2, EN ICES-005 FCC PART 15B | N61547 N61547 | | | | |
| & | EMC Emission | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC KC EAC RCM UKCA OUL UL EN610C Networl | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada Anderica China European Union Korea Australia Britain Canada America Canada America | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3- | N61547 N61547 | | | | |
| & EMC | EMC Emission | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC KC EAC RCM UKCA OUL UL NETWORL No-load | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America China European Union Korea Russia Australia Britain Canada America D-4-2,3,4,5,6,8,11, ENcked standby | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3- | N61547 N61547 S EN 61000-3-3, BS EN 61547 | | | | |
| & | EMC Emission | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC KC EAC RCM UKCA IN COC IN | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada Anderica China European Union Korea Russia Australia Britain Canada America O-4-2,3,4,5,6,8,11, ENG ked standby | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3- | N61547 N61547 S EN 61000-3-3, BS EN 61547 | | | | |
| & EMC | EMC Emission EMC Immunity Power Consumption Flicker/Stroboscopic Effect | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA IN COC CE CE CE CE COC CE COC COC COC COC | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America China European Union Korea Russia Australia Britain Canada America O1-4-2,3,4,5,6,8,11, ENded Standby I power consumption 89 | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN610 | N61547 N61547 S EN 61000-3-3, BS EN 61547 | | | | |
| & EMC | EMC Emission EMC Immunity Power Consumption Flicker/Stroboscopic Effect DF | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC KC EAC RCM UKCA IN COC IN | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America China European Union Korea Russia Australia Britain Canada America O1-4-2,3,4,5,6,8,11, ENded Standby I power consumption 89 | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3- | N61547 N61547 S EN 61000-3-3, BS EN 61547 | | | | |
| & EMC | EMC Emission EMC Immunity Power Consumption Flicker/Stroboscopic Effect | CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA IN COC CE CE CE CE COC CE COC COC COC COC | CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America China European Union Korea Russia Australia Britain Canada America 10-4-2,3,4,5,6,8,11, ENded Standby I power consumption 89 4 | IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN610 | N61547 N61547 S EN 61000-3-3, BS EN 61547 | | | | |

Product Size

Unit: mm







Wiring Diagram

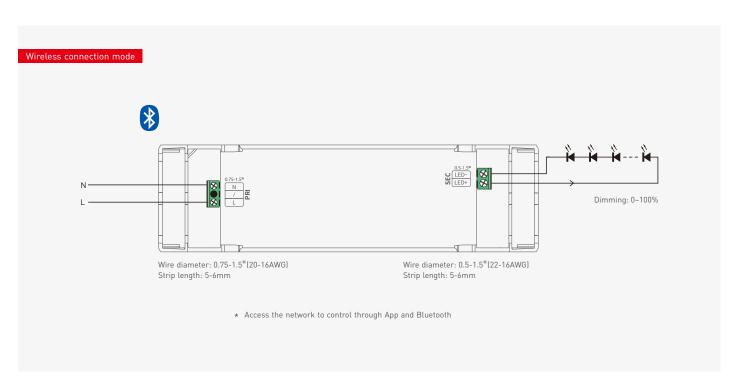




Table of Typical Corresponding Parameters for Current

| 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 | | | | | | | | | | |
|---|----------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|--|
| | 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 | |
| SE-40-300-1050-W1B | | | | | | | | | | |
| | 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 | |

| | | | | | current levels can | | | | |
|-------------------|----------------|-----------|------------|-----------|--------------------|-----------|------------|---------|------------|
| | 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 |
| SE-30-200-800-W1B | | | | | | | | | |
| | 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

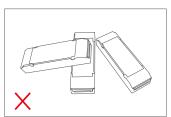


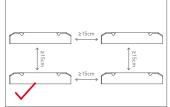
1. Put the head of a screwdriver on the side of the housing to pry up both the protective cover and wire fixing board. Then remove the wire fixing board and connect to the wires as wiring diagram shows.



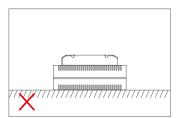
2. Install the wire fixing board and press it down. Then snap on the protective cover while pressing the wire fixing board with a small flat-head screwdriver

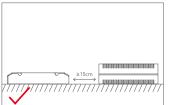
Installation Precautions





Please do not stack the products. The distance between two products should be \geqslant 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 \ge 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).

SE-40-300-1050-W1B

SE-30-200-800-W1B



 $\textcolor{red}{\star} \hspace{0.1cm} \textbf{Before you begin setting the parameters of the driver, please make sure \hspace{0.1cm} \textbf{the driver is powered off.}$

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

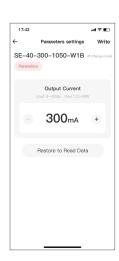
Click 【Parameter settings】 to edit the advanced parameters, like output current, time for fading on/off, power-on fading time, power-on status, etc.

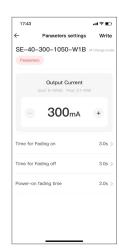
3. Write to the driver

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.



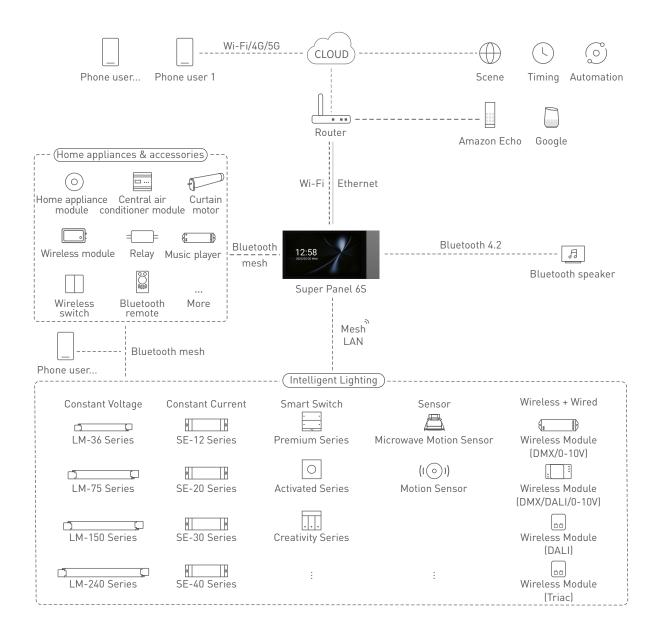






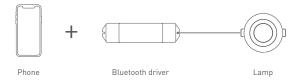


Bluetooth System Diagram

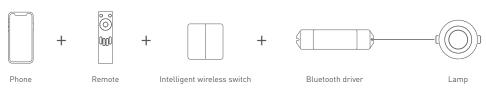


Recommend Applications

1. Achieve fast dimming control.



 $2. \ Both \ App \ and \ remote \ can \ control \ the \ driver \ after \ connecting \ the \ remote \ to \ the \ driver \ with \ App.$



3. Both App and Super Panel 6S can control the driver simultaneously after connecting the Super Panel 6S to the driver with App. By connecting the Super Panel to network, you are allowed to control the driver, cloud scenes and automation remotely with App.



 ${\it 4......} More applications of intelligent control are waiting for you to set up.\\$



Use with Bluetooth L-Home APP

1. Register an account

The App is available on iOS or Android devices. Scan the QR code below with you mobile phone and follow the prompts to complete the App installation. Open the App to log in or register an account.



2. Paring instructions

Open the APP and create a home if you are a new user. Click "+" icon in the upper right corner and access the "Add Device" list, then follow the prompts to add the device. Pick "Smart lighting-DIM light" from the list and follow the prompts to power on the device firstly. Make sure the device is not connected to the network. Then click "Bluetooth Search" and follow the prompts to add the device.







3. Control interface settings

After pairing up your device, go to the control interface. You'll be able to achieve your desired lighting effects by changing brightness. Click "Theme" and you'll easily switch to multiple theme lighting effects with one tap. Click "Mode" and the App provides you editable advanced modes. Customize dynamic modes to put you into a more colorful life.









4. Light groups

Users are able to combine the same type of light fixtures into a group to control them simultaneously. Once you create the group, you can set the dim level more easily. Pick "Group-DIM light group" from the list. Follow the prompts to rename the group and click "Next" to pick the lights you are going to group together and click "Save".





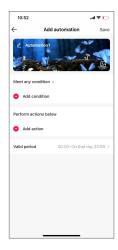


5. Advanced functions

This driver can be linked up with gateway function devices (such as LTECH Super Panel) to achieve the advanced functions from cloud scenes to automation.

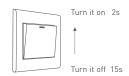


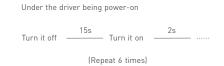




Reset The Device (Reset to factory defaults)

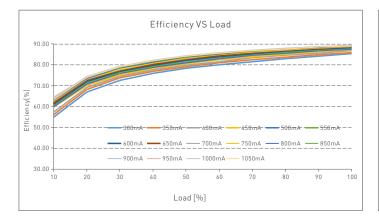
Make sure the driver is well-connected to a lamp and the lamp is on, turn it off with the switch and after 15s turn it on. After 2s, turn it off again. Repeat the same operation 6 times. When the lamp flashes 5 times, reset the device to factory defaults successfully.

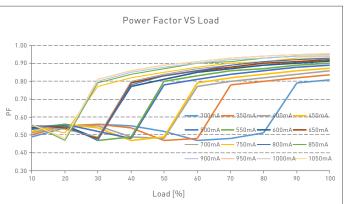


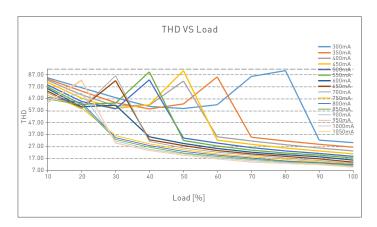


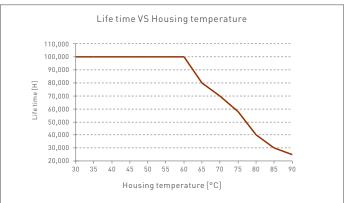
LTECH

Relationship Diagrams

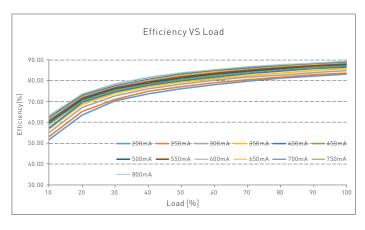


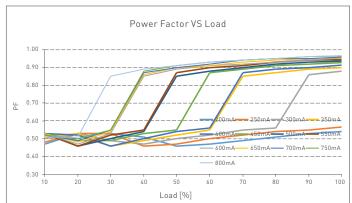


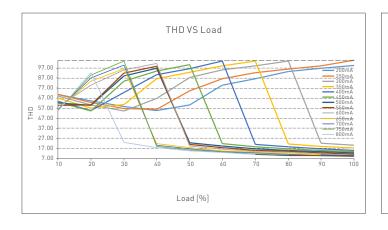


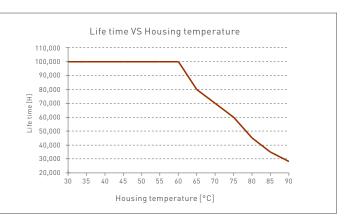


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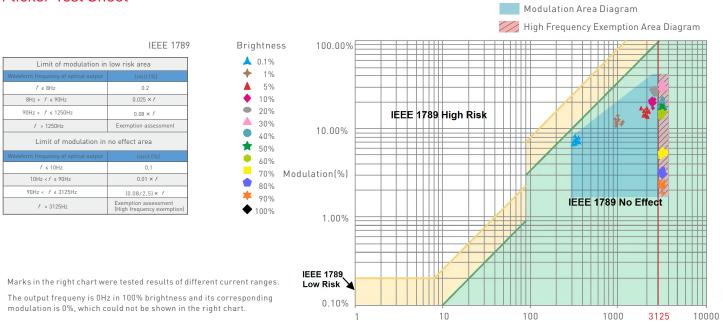








Flicker Test Sheet



Packaging Specifications

| Model | SE-40-300-1050-W1B | SE-30-200-800-W1B |
|-------------------|--|--|
| 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



Frequency(Hz)

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

- This product must be installed and adjusted by a qualified professional.
- This product is non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- $\bullet \quad \mathsf{Good} \ \mathsf{heat} \ \mathsf{dissipation} \ \mathsf{will} \ \mathsf{extend} \ \mathsf{the} \ \mathsf{life} \ \mathsf{the} \ \mathsf{product}. \ \mathsf{Please} \ \mathsf{install} \ \mathsf{the} \ \mathsf{product} \ \mathsf{in} \ \mathsf{a} \ \mathsf{environment} \ \mathsf{with} \ \mathsf{good} \ \mathsf{ventilation}.$
- 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.
- $\bullet \quad \mathsf{Free} \ \mathsf{repair} \ \mathsf{or} \ \mathsf{replacement} \ \mathsf{services} \ \mathsf{for} \ \mathsf{quality} \ \mathsf{problems} \ \mathsf{are} \ \mathsf{provided} \ \mathsf{within} \ \mathsf{warranty} \ \mathsf{periods}.$

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.
- $2.\,\mathsf{LTECH}\ \mathsf{has}\ \mathsf{the}\ \mathsf{right}\ \mathsf{to}\ \mathsf{amend}\ \mathsf{or}\ \mathsf{adjust}\ \mathsf{the}\ \mathsf{terms}\ \mathsf{of}\ \mathsf{this}\ \mathsf{warranty}, \ \mathsf{and}\ \mathsf{release}\ \mathsf{in}\ \mathsf{written}\ \mathsf{form}\ \mathsf{shall}\ \mathsf{prevail}.$

ZHUHAI LTECH TECHNOLOGY CO., LTD.



Update Log

| Version | Updated Time | Update Content | Updated by |
|---------|--------------|------------------|------------|
| Α0 | 2023.02.23 | Original version | Liu Weili |