

Intelligent LED Driver (Constant Current)

- Housing made from SAMSUNG/COVESTRO's V0 flame retardant
- Ultra small, thin and lightweight, screwless end cap.
- Change the output current, dimming mode and other parameters via
- 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-PWMTM 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.
- $\bullet\,$ When there is no load, the output will be 0V to prevent damage to LEDs due to poor contact.
- $\bullet\,$ Overheat, over voltage, overload, short circuit protection and
- 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





Flicker Free IEEE 1789

Dimmable: 10000:1













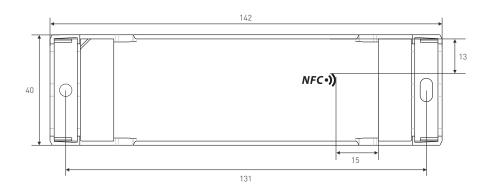
Technical Specs

| Model | | SE-40-3 | 800-1050-W1A | I | SE-30-200-800-W1A | | | | |
|-------------|---|--|--|--|--|--|--|--|--|
| | Output Type | | Constant current | | | | | | |
| | Dimming Interface | 0-10V (1-10V, 10V PWM, RX) | | | | | | | |
| Features | Output Feature | Isolation | | | | | | | |
| | Protection Grade | IP20 | | | | | | | |
| | Insulation Grade | | | | | | | | |
| | Output Voltage | Class II (Suitable for class I/ II /III light fixtures) 9-42Vdc | | | | | | | |
| оитрит | Maximum output voltage | | | | | | | | |
| | Output Current Range | ≤55Vdc 200.1050mA 200.900mA | | | | | | | |
| | Output Power Range | 300-1050mA 200-800mA 2.7W-40W 1.8W-30W | | | | | | | |
| | | 2.7W-40W 1.8W-30W 0~100%, down to 0.01% | | | | | | | |
| | Dimming Range | <3%(Maximum current for non dimming state) | | | | | | | |
| | LF Current Ripple | <5% (Maximum current for non dimming state) ±5% | | | | | | | |
| | Current Accuracy | | | | | | | | |
| | PWM Frequency | ≼3600Hz | | | | | | | |
| | DC Voltage Range | 120-250Vdc | | | | | | | |
| | AC Voltage Range | 100-240Vac | | | | | | | |
| | EoFi | 100% | 2201/ | | | | | | |
| | Input Voltage | 115Vac/230Vac | | | | | | | |
| | Frequency | 50/60Hz | | | | | | | |
| | Input Current | | | | | | | | |
| INDUT | Power Factor | PF>0.95/115Vac (at full load), PF>0.9C/230Vac (at full load) | | | | | | | |
| INPUT | 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: 2K | | | | | | | |
| | Leakage Current | Max. 0. | | | | | | | |
| | Working Temperature | ta: -20 ~ 45°C tc: 90°C | | | | | | | |
| | Working Humidity | 20 ~ 95%RH, non-condensing | | | | | | | |
| ENVIRONMENT | Storage Temperature/Humidity | | | | | | | | |
| | Temperature Coefficient | ±0.03%/°C[0-50°C] | | | | | | | |
| | Vibration | 10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively | | | | | | | |
| | Overload Protection | Automa | tically protect the device | when the load exceeds 102% of the rated power | r. Automatically recover once load is reduced | | | | |
| PROTECTION | 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 | | | | | | | |
| - NOTECTION | Overvoltage Protection | Automatically protect the device when voltage exceeds the no-load voltage. It can be recovered automatically | | | | | | | |
| | | Enter hiccup mode if short circuit occurs, and recover automatically | | | | | | | |
| | Short Circuit Protection | Enter hi | ccup mode if short circu | it occurs, and recover automatically | | | | | |
| | Short Circuit Protection Withstand Voltage | | ccup mode if short circu 2: 3750Vac | it occurs, and recover automatically | | | | | |
| | | I/P-0/F | - | | | | | | |
| | Withstand Voltage | I/P-0/F | P: 3750Vac | | | | | | |
| | Withstand Voltage | I/P-0/F I/P-0/F | P: 3750Vac P: 100MΩ/500VDC/25°C | C/70%RH | | | | | |
| | Withstand Voltage | I/P-0/F I/P-0/F CCC | P: 3750Vac P: 100MΩ/500VDC/25°C China | C/70%RH GB19510.1, GB19510.14 | | | | | |
| | Withstand Voltage | I/P-O/F I/P-O/F CCC TUV | 2: 3750Vac 2: 100MΩ/500VDC/25°C China Germany | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 | | | | | |
| | Withstand Voltage Insulation Resistance | I/P-O/F I/P-O/F CCC TUV CB | P: 3750Vac P: 100MΩ/500VDC/25°C China Germany CB Member States | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 | | | | | |
| | Withstand Voltage | I/P-O/F I/P-O/F CCC TUV CB CE | P: 3750Vac P: 100MΩ/500VDC/25°C China Germany CB Member States European Union | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 | | | | | |
| | Withstand Voltage Insulation Resistance | I/P-O/F I/P-O/F CCC TUV CB CE KC | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 | | | | | |
| | Withstand Voltage Insulation Resistance | I/P-O/F I/P-O/F CCC TUV CB CE KC EAC | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 | | | | | |
| SAFETY | Withstand Voltage Insulation Resistance | I/P-O/F I/P-O/F CCC TUV CB CE KC EAC | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 | 62493 | | | | |
| & | Withstand Voltage Insulation Resistance | I/P-O/F I/P-O/F CCC TUV CB CE KC EAC RCM ENEC | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 | 62493 | | | | |
| | Withstand Voltage Insulation Resistance | I/P-O/F I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 | 62493 | | | | |
| & | Withstand Voltage Insulation Resistance | I/P-O/F I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 61347-1, BS EN 61347-2-13, BS EN 61347- | 62493 | | | | |
| & | Withstand Voltage Insulation Resistance | I/P-0/F I/P-0/F I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 61347-1, BS EN 61347-2-13, BS EN 61347- | 62493 | | | | |
| & | Withstand Voltage Insulation Resistance | I/P-0/F I/P-0/F I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 61347-1, BS EN 61347-2-13, BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-2-1 | | | | | |
| & | Withstand Voltage Insulation Resistance | I/P-0/F I/P-0/F I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 15 15885 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 | | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards | I/P-0/F I/P-0/F I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union | C:/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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, FN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-1, BS EN 61347-2-13, BS EN 615885 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN64000-3-3, EN64000-3-3, EN64000-3-3, EN64000-3-3, EN64000-3-3, EN64000-3-3, EN64000-3-3, EN64000-3-3, EN64000-3-3, EN640000-3-3, E | | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards | I/P-O/F I/P-O/ | P: 3750Vac P: 100MΩ/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, IEC61347-2-13 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 61347-1, BS EN 61347-2-13, BS EN 615885 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 | 61547 | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards | I/P-O/F I/P-O/F I/P-O/F I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC | P: 3750Vac P: 100MΩ/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, IEC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13 EN61347-1, BN61347-2-13, EN62384 BS EN 61347-1, BS 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN 615885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN64262493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, EN64262493, IEC61547, EH55015 | 61547 | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards | I/P-O/F I/P-O/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, IEC61347-2-13 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 61347-1, BS EN 61347-2-13, BS EN 615885 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 | 61547 | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards | I/P-O/F I/P-O/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 61347-1, BS EN 61347-2-13, BS EN 61585 (CSA C22.2 NO.250.13) UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, EN6 BS EN IEC 55015, BS EN IEC 61000-3-2, BS EN IEC | 61547 | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards | I/P-0/F I/P-0/F I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UL UL UL | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia | C:/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 61347-1, BS EN 61347-2-13, BS EN 615885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-2, BS EN IEC 55015, BS EN IEC 61000-3-2, BS ICES-005 FCC PART 15B | 61547 | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards EMC Emission | I/P-0/F I/P-0/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia | C:/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 61347-1, BS EN 61347-2-13, BS EN 615885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-2, BS EN IEC 55015, BS EN IEC 61000-3-2, BS ICES-005 FCC PART 15B | 61547 | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards EMC Emission | I/P-0/F I/P-0/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada Australia Britain Canada Australia | C:/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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 61347-1, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 615485 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 61547, EH55015 EN55015, EN61000-3-2, EN61000-3-2, BS ICES-005 FCC PART 15B 61547 <0.5W (After shutdown by command) | 61547 | | | | |
| & EMC | Withstand Voltage Insulation Resistance Safety Standards EMC Emission EMC Immunity Power Consumption | I/P-0/F I/P-0/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia | C:/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, IEC61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 AS 61347-1, ES 61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 615885 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 61547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-2, BS EN IEC 65005 FCC PART 15B 61547 <0.5W [After shutdown by command] <0.5W [When the lamp is not connected] | 61547 61547 61547 EN 61000-3-3, BS EN 61547 | | | | |
| & | Withstand Voltage Insulation Resistance Safety Standards EMC Emission | I/P-0/F I/P-0/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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, BS EN 61347-2-13, BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 615885 [ART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 61000-3-3, EN6 61000-3-2, EN61000-3-3, EN6 61000-3-2, EN61000-3-3, EN6 61000-3-2, EN61000-3-2, EN61000-3-2, EN61000-3-2, EN61000-3-3, EN6 61000-3-2, EN61000-3-2, | 61547 61547 61547 EN 61000-3-3, BS EN 61547 | | | | |
| & EMC | Withstand Voltage Insulation Resistance Safety Standards EMC Emission EMC Immunity Power Consumption Flicker/Stroboscopic Effect | I/P-0/F I/P-0/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia | C:/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, IEN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61585 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 61000-3-2, EN6 61000-3-2, EN6 61000-3-2, EN6 61500-3-2, EN6 61500-3-2, EN6 61500-3-2, EN6 61547 EN55015, EN61000-3-2, EN61000-3-2, BS EN IEC 55015, BS EN IEC 61000-3-2, BS ICES-005 FCC PART 15B 61547 <0.5W [After shutdown by command] <0.5W [When the lamp is not connected] Meet IEEE 1789 standard/High frequency exe | 61547 61547 61547 EN 61000-3-3, BS EN 61547 | | | | |
| & EMC | Withstand Voltage Insulation Resistance Safety Standards EMC Emission EMC Immunity Power Consumption Flicker/Stroboscopic Effect DF | I/P-0/F I/P-0/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America 10-4-2,3,4,5,6,8,11, EN ked standby I power consumption 89 | C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 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, BS EN 61347-2-13, BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 615885 [ART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 61000-3-3, EN6 61000-3-2, EN61000-3-3, EN6 61000-3-2, EN61000-3-3, EN6 61000-3-2, EN61000-3-2, EN61000-3-2, EN61000-3-2, EN61000-3-3, EN6 61000-3-2, EN61000-3-2, | 61547 61547 61547 EN 61000-3-3, BS EN 61547 | | | | |
| & EMC | Withstand Voltage Insulation Resistance Safety Standards EMC Emission EMC Immunity Power Consumption Flicker/Stroboscopic Effect | I/P-0/F I/P-0/ | P: 3750Vac P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America 10-4-2,3,4,5,6,8,11, EN ked standby I power consumption 89 | C:/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, IEN61347-2-13, EN62384 KC61347-1, KC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13 EN61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-1, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61347-2-13, BS EN 61585 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, EN6 61000-3-2, EN6 61000-3-2, EN6 61000-3-2, EN6 61500-3-2, EN6 61500-3-2, EN6 61500-3-2, EN6 61547 EN55015, EN61000-3-2, EN61000-3-2, BS EN IEC 55015, BS EN IEC 61000-3-2, BS ICES-005 FCC PART 15B 61547 <0.5W [After shutdown by command] <0.5W [When the lamp is not connected] Meet IEEE 1789 standard/High frequency exe | 61547 61547 61547 EN 61000-3-3, BS EN 61547 | | | | |

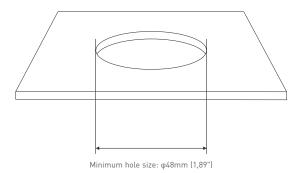


Product Size

Unit: mm







Wiring Diagram

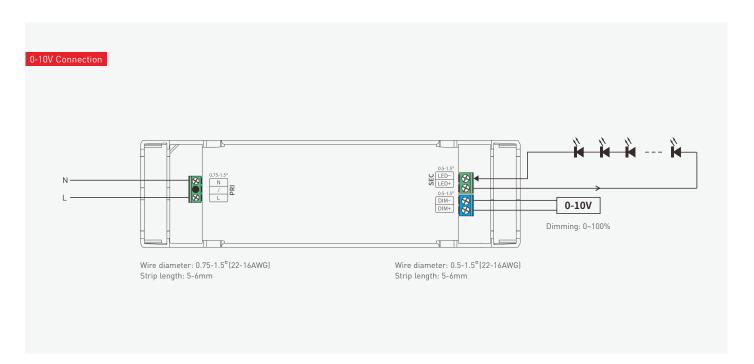




Table of Typical Corresponding Parameters for Current

| 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-W1A | | | | | | | | | |
| | 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 da | ata sets below are f | or reference when | selecting LED fixt | ure models. More | current levels can | be set by NFC usin | g mobile APP with | 200-800mA adjust | table in 1mA step |
|---------------------------|----------------------|-------------------|--------------------|------------------|--------------------|--------------------|-------------------|------------------|-------------------|
| | 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-W1A | | | | | | | | | |
| | 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

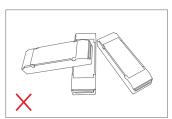


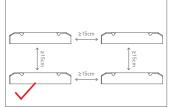
1. Put the head of a screwdriver on the side of the housing to pry up both the protective cover and wire fixing board. Then remove the wire fixing board and connect to the wires as wiring diagram shows.



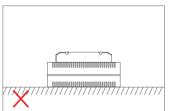
2. Install the wire fixing board and press it down. Then snap on the protective cover while pressing the wire fixing board with a small flat-head screwdriver

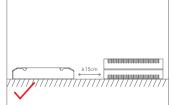
Installation Precautions





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 \geqslant 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

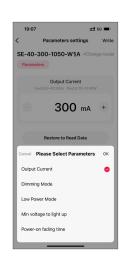
 $\textbf{Click [Parameter settings]} \ \ to \ edit \ the \ advanced \ parameters, \ like \ output \ current, \ dimming \ mode, \ low \ power \ mode, \ etc.$

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.



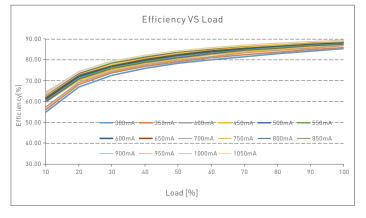


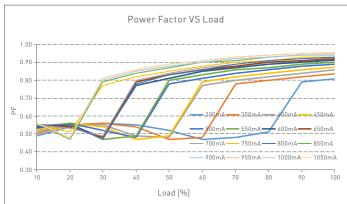


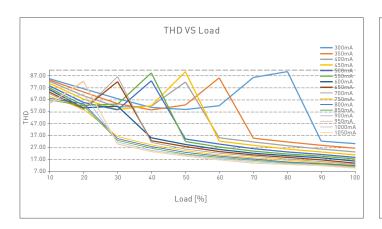


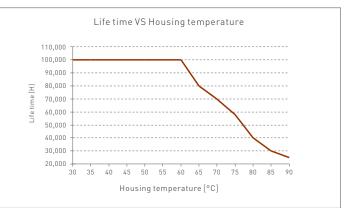


Relationship Diagrams

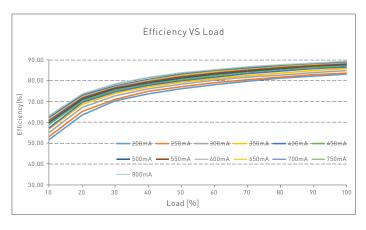


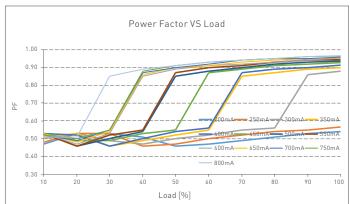


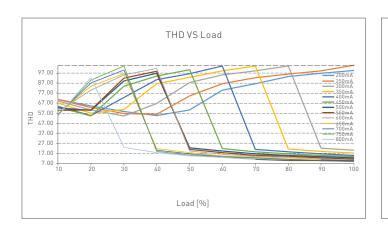


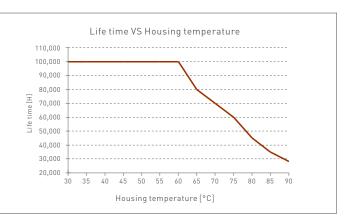


SE-40-300-1050-W1A





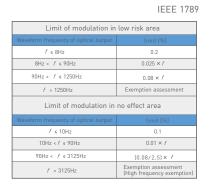


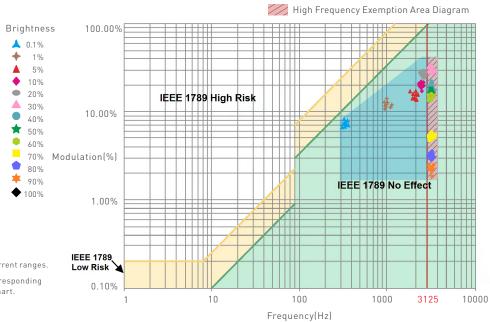


Modulation Area Diagram



Flicker Test Sheet





 $\label{thm:marks} \textbf{Marks in the right chart were tested results of different current ranges.}$

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

- $\bullet \quad \text{Warranty periods from the date of delivery: 5 years.}$
- $\bullet \quad \text{Free repair or replacement services for quality problems are provided within warranty periods}.$

Warranty exclusions below:

- Beyond warranty periods.
- $\bullet \quad \text{Any artificial damage caused by high voltage, overload, or improper operations}.$
- 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.
- $2.\,\mathsf{LTECH}\ \mathsf{has}\ \mathsf{the}\ \mathsf{right}\ \mathsf{to}\ \mathsf{amend}\ \mathsf{or}\ \mathsf{adjust}\ \mathsf{the}\ \mathsf{terms}\ \mathsf{of}\ \mathsf{this}\ \mathsf{warranty}, \ \mathsf{and}\ \mathsf{release}\ \mathsf{in}\ \mathsf{written}\ \mathsf{form}\ \mathsf{shall}\ \mathsf{prevail}.$



Update Log

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