

#### Intelligent LED Driver (Constant Current)

- Housing made from SAMSUNG/COVESTRO's V0 flame retardant PC
- Ultra small, thin and lightweight, screwless end cap.
- Change the output current, DMX address and other parameters via the APP.
- Adjustable output current with 1mA step.
- Support RDM protocol.
- Soft-on and fade-in dimming function enhances your visual comfort.
- T-PWMTM super deep dimming technol ogy, 0.01% dimming depth.
- $\bullet\,$  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).





NFC•))









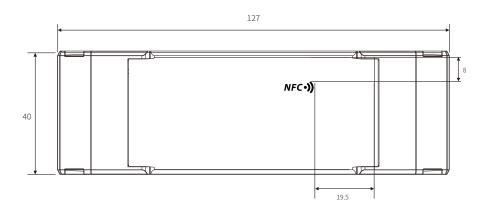


Model		SE-20-1	100-700-W1M				
	Output Type		t current				
Features	Dimming Interface						
	Output Feature	DMX512/RDM Isolation					
	Protection Grade	Ip20					
	Insulation Grade	Class II (Suitable for class I/ II /III light fixtures)					
	Output Voltage	9-42Vdc					
OUTPUT	Maximum output voltage	48Vdc					
	Output Current Range	100-700mA					
	Output Power Range	0.9W-20W					
	Dimming Range	0-100%, down to 0.01%					
	LF Current Ripple	<3%(Maximum current for non dimming state)					
	Current Accuracy	±5%					
	PWM Frequency	≤3600Hz					
	DC Voltage Range	100-240Vdc					
	AC Voltage Range	100-240Vac					
	DC Current Range	0.09-0.25A					
	Input Voltage	0.09-0.25A 115Vac/230Vac					
	Frequency	50/60Hz					
	Input Current						
	Power Factor	<0.25A/115Vac, <0.13A/230Vac  PF>0.95/115Vac (at full load), PF>0.9C/230Vac (at full load)					
INPUT	THD						
1141 01	Efficiency (Typ.)	THD<10%/230Vac, at full load					
	Inrush Current	84%@700mA (at full load),87%@500mA (at full load)  Cold start 15A(Test twidth=102us tested under 50%   peak)/230Vac					
	Anti Surge	L-N: 2K		as tested diluer 30% (peak)/230vac			
	Leakage Current	Max. 0.					
	Working Temperature		- 50°C tc: 80°C				
NVIRONMENT	Working Humidity Storage Temperature/Humidity	20 ~ 95%RH, non-condensing					
INVIRONMENT	Temperature Coefficient	-40 ~ 80°C/10~95%RH ±0.03%/°C(0-50°C)					
	Vibration			min for V. V and 7 axes respectively			
	Overload Protection	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively					
	Overheat Protection	Automatically protect the device when the load exceeds 102% of the rated power. Automatically recover once load is reduced					
PROTECTION	Overvoltage 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.  Automatically protect the device when voltage exceeds the no-load voltage. It can be recovered automatically					
	Short Circuit Protection						
	Short on cult i rotection	Enter hiccup mode if short circuit occurs, and recover automatically					
	Withstand Voltago	1/12_11/1	I/P-0/P: 3750Vac				
	Withstand Voltage			7/70% PH			
	Withstand Voltage Insulation Resistance	I/P-0/F	P: 100MΩ/500VDC/25°C				
	· ·	I/P-O/F	P: 100MΩ/500VDC/25°C China	GB19510.1, GB19510.14			
	· ·	I/P-0/F CCC TUV	P: 100MΩ/500VDC/25°C China Germany	GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, En62493			
	· ·	I/P-O/F CCC TUV CB	P: 100MΩ/500VDC/25°C China Germany CB Member States	GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, En62493 IEC61347-1, IEC61347-2-13			
	· ·	I/P-O/F CCC TUV CB CE	P: 100M0/500VDC/25°C China Germany CB Member States European Union	GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, En62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, En62384			
	· ·	I/P-O/F CCC TUV CB CE KC	P: 100MΩ/500VDC/25°C China Germany CB Member States European Union Korea	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			
	Insulation Resistance	I/P-O/F CCC TUV CB CE KC	P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia	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			
	Insulation Resistance	I/P-O/F CCC TUV CB CE KC EAC	P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia	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			
SAFFTY	Insulation Resistance	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC	P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia	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			
SAFETY &	Insulation Resistance	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA	P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe	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			
SAFETY & EMC	Insulation Resistance	I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS	P: 100MO/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain	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, EN62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  IS 15885 [PART 2/SEC 13]			
&	Insulation Resistance	I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL	P: 100MO/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India	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, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  IS 15885 [PART 2/SEC 13]  CSA C22.2 No.250.13			
&	Insulation Resistance	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL	P: 100MO/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada	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, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  IS 15885 [PART 2/SEC 13]  CSA C22.2 No.250.13  UL 8750			
&	Insulation Resistance	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC	P: 100MO/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China	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, AS 61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  IS 15885 [PART 2/SEC 13]  CSA C22.2 No.250.13  UL 8750  GB/T17743, GB17625.1			
&	Insulation Resistance Safety Standards	I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE	P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China	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, AS 61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  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, En61547			
&	Insulation Resistance	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC	P: 100M0/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union	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  IEC61347-1, IEC61347-2-13  AS 61347-1, AS 61347-2-13  EN61347-1, EN61347-2-13  EN61347-1, BS EN 61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  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, En61547  KSC 9815, KSC 9547			
&	Insulation Resistance Safety Standards	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC	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	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  EN61347-1, EN61347-2-13  EN61347-1, BS EN 61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  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, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, EN55015			
&	Insulation Resistance Safety Standards	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC	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	GB19510.1, GB19510.14  EN61347-1, EN61347-2-13, En62493  IEC61347-1, IEC61347-2-13  EN61347-1, EN61347-2-13, En62384  KC61347-1, IC61347-2-13  IEC61347-1, IEC61347-2-13  AS 61347-1, AS 61347-2-13  EN61347-1, EN61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, 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, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-3-2, EN61000-3-3, En61547			
&	Insulation Resistance Safety Standards	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL CCC CE KC EAC RCM UL UL UL CCC CE KC EAC RCM UL UL UL CCC CE KC EAC RCM	P: 100MO/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia	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  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, EN62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  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, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-3-2, EN61000-3-3, En61547  BS EN IEC 55015, BS EN IEC 61000-3-2, BS EN 61000-3-3, BS EN 61547			
&	Insulation Resistance Safety Standards	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UKCA CUL UL CCC CC C	P: 100MO/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia	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, AS 61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, En62384  BS EN 62493  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, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-3-2, EN61000-3-3, En61547  BS EN IEC 55015, BS EN IEC 61000-3-2, BS EN 61000-3-3, BS EN 61547  ICES-005			
&	Insulation Resistance Safety Standards	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC KC EAC CUL UL UL CUL UL	P: 100MO/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Canada America China European Union Korea Russia Australia Britain Canada Anserica China	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, AS 61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  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, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-3-2, EN61000-3-2, BS EN 61000-3-3, BS EN 61547  IS EN IEC 55015, BS EN IEC 61000-3-2, BS EN 61000-3-3, BS EN 61547  ICES-005  FCC PART 15B			
&	Insulation Resistance  Safety Standards  EMC Emission	I/P-O/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC RCM UKCA CUL UL EN610C	P: 100MO/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 Conada O-4-2,3,4,5,6,8,11, EN	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, AS 61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  IS 15885 [PART 2/SEC 13]  CSA C22.2 No.250.13  UL 8750  GB/T17743, GB17625.1  En55015, EN61000-32, EN61000-33, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-32, EN61000-33, En61547  BS EN IEC 55015, BS EN IEC 61000-32, BS EN 61000-33, BS EN 61547  ICES-005  FCC PART 15B  61547			
&	Insulation Resistance  Safety Standards  EMC Emission	I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC RCM UKCA CUL UL EN610C Networl	P: 100MO/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 America Conada Australia	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, AS 61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  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, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-3-2, EN61000-3-2, BS EN 61000-3-3, BS EN 61547  ICES-005  FCC pART 15B  61547  <0.5W [After shutdown by command]			
& EMC	Insulation Resistance  Safety Standards  EMC Emission	I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC RCM UKCA CUL UL EN610C Networl	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 America O-4-2,3,4,5,6,8,11, ENexed standby power consumption	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, AS 61347-2-13  EN61347-1, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  IS 15885 [PART 2/SEC 13]  CSA C22.2 No.250.13  UL 8750  GB/T17743, GB17625.1  En55015, EN61000-32, EN61000-33, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-32, EN61000-32, BS EN 61000-33, BS EN 61547  IS EN IEC 55015, BS EN IEC 61000-32, BS EN 61000-33, BS EN 61547  ICES-005  FCC PART 15B  61547  <0.5W [After shutdown by command] <0.5W [When the lamp is not connected]			
&	Insulation Resistance  Safety Standards  EMC Emission	I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC RCM UKCA CUL UL EN610C Networl No-load	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 America O-4-2,3,4,5,6,8,11, ENeed standby power consumption	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, 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 62493  IS 15885 [PART 2/SEC 13]  CSA C22.2 No.250.13  UL 8750  GB/T17743, GB17625.1  En55015, EN61000-32, EN61000-33, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-32, EN61000-33, En61547  BS EN IEC 55015, BS EN IEC 61000-32, BS EN 61000-33, BS EN 61547  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 exemption level			
& EMC	Insulation Resistance  Safety Standards  EMC Emission  EMC Immunity  Power Consumption  Flicker/Stroboscopic Effect	I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC RCM UKCA CUL UL EN610C Networl No-load IEEE 17 CIE SVM	2: 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 Britain Canada America 0-4-2,3,4,5,6,8,11, ENeed standby power consumption	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  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, EN61347-2-13, En62384  BS EN 61347-1, BS EN 61347-2-13, BS EN 62493  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, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-3-2, EN61000-3-3, En61547  BS EN IEC 55015, BS EN IEC 61000-3-2, BS EN 61000-3-3, BS EN 61547  ICES-005  FCC pART 15B  61547  <			
& EMC	Insulation Resistance  Safety Standards  EMC Emission  EMC Immunity  Power Consumption	I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC EAC RCM UKCA CUL UL EN610C Networl No-load	c: 100MO/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 Britain Canada America 0-4-2,3,4,5,6,8,11, ENeed standby power consumption By I	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  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 62493  IS 15885 [PART 2/SEC 13]  CSA C22.2 No.250.13  UL 8750  GB/T17743, GB17625.1  En55015, EN61000-32, EN61000-33, En61547  KSC 9815, KSC 9547  IEC62493, IEC61547, Eh55015  En55015, EN61000-32, EN61000-33, En61547  BS EN IEC 55015, BS EN IEC 61000-32, BS EN 61000-33, BS EN 61547  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 exemption level			

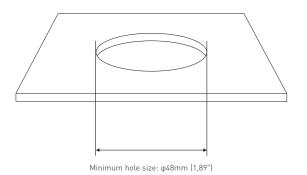


#### **Product Size**

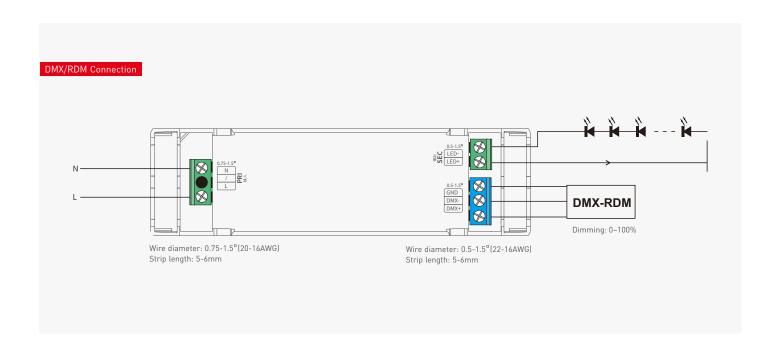
Unit: mm







# Wiring Diagram



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## Table of Typical Corresponding Parameters for Current

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 100-700mA adjustable in 1mA step								
Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	
Output Voltage	9-42Vdc	9-42Vdc	9-42Vdc	9-42Vdc	9-42Vdc	9-42Vdc	9-42Vdc	
Output Power	0.9-4.2W	1.35-6.3W	1.8-8.4W	2.25-10.5W	2.7-12.6W	3.15-14.7W	3.6-16.8W	
Output Current	450mA	500mA	550mA	600mA	650mA	700mA	/	
Output Voltage	9-42Vdc	9-40Vdc	9-37Vdc	9-34Vdc	9-31Vdc	9-28.5Vdc	/	
Output Power	4.05-18.9W	4.5-20W	4.95-20.35W	5.4-20.4W	5.85-20.15W	6.3-19.95W	/	

## Application Diagram of Protective Cover



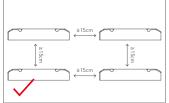
 Put the head of a screwdriver on the side of the housing to pry up both the protective cover and wire fixing board. Then remove the wire fixing board and connect to the wires as wiring diagram shows.



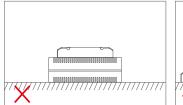
2. Install the wire fixing board and press it down. Then snap on the protective cover while pressing the wire fixing board with a small flat-head screwdriver

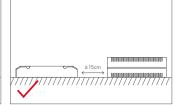
#### **Installation Precautions**





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

Click [Parameter settings] to edit the advanced parameters, like output current, DMX address, brightness range, power-on fading time, 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.









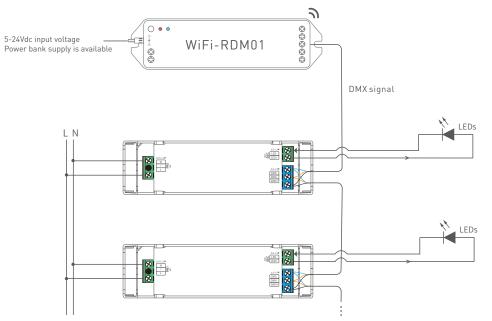




#### Use with RDM Editor

 $The \, {\rm DMX} \, driver \, {\rm can} \, {\rm work} \, {\rm with} \, {\rm the} \, {\rm address} \, {\rm editor} \, {\rm that} \, {\rm complies} \, {\rm with} \, {\rm standard} \, {\rm RDM} \, {\rm protocol}.$ 

It is recommended to use LTECH's RDM editor (model WiFi-RDM01), which can achieve more functions such as remote browsing and parameter setting. Wiring diagram as below:



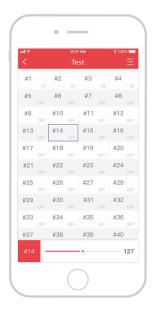


\* the defaulted DMX address of the driver is 1.

# LTECH RDM editor App interface instruction

Download the App, setting the parameters after well connecting the RDM editor, please check the manual of WiFi-RDM01 for more details.





Test

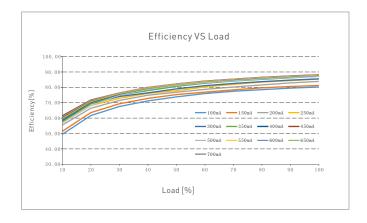


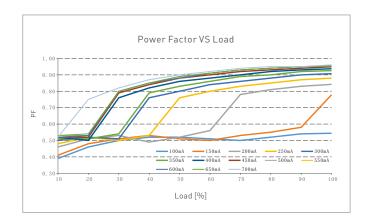
- a: Click "Add", edited the address in corresponding box.
- b: Click "ID", get more product details.
- c: Click "  $\ensuremath{\textcircled{\sc O}}$  ", enter setting interface.
- d: Click "No.", issue the recognizing command.

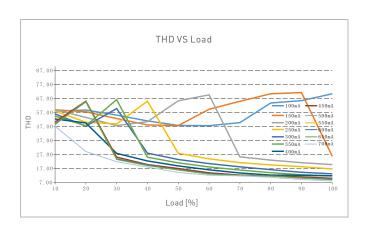
DMX address setting

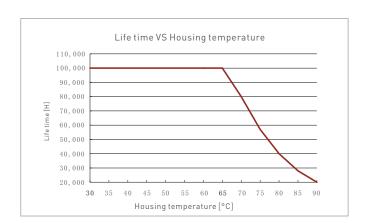


#### Relationship Diagrams





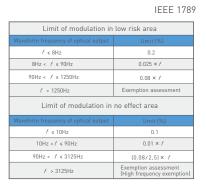


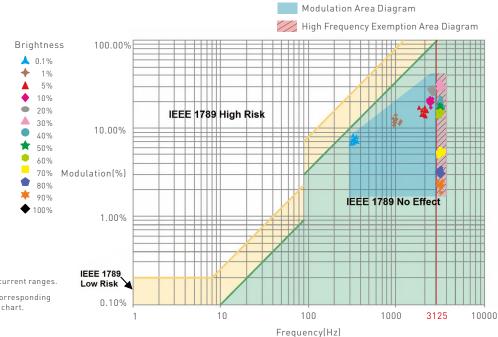


SE-20-100-700-W1M

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#### Flicker Test Sheet





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

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

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# Packaging Specifications

Model	SE-20-100-700-W1M
Carton Dimensions	372×355×105mm(L×W×H)
Quantity	32 PCS/Layer; 2 Layers/Carton; 64 PCS/Carton
Weight	0.11 kg/PC; 7.4 kg±5%/Carton

## Packaging Image



Inner Packaging Box



Carton Packaging



# LTECH

#### 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:  $5\ \text{years}.$
- $\bullet \quad \text{Free repair or replacement services for quality problems are provided within warranty periods}.$

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
Α0	2023.11.9	Original version	Yang Weiling

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