

Intelligent Tunable White 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 dimming interface, output current, DALI address and other parameters on the NFC programmer or via the App, and sync the parameters to the driver.
- Set the DALI group, scene in the advanced DALI template
- Set the output current down to 1mA.
- DALI bus standard IEC62386-101, 102, 207.
- Class 2 LED driver, Safety Extra Low Voltage (SELV).
- Soft-on and fade-in dimming function enhances your visual comfort.
- T-PWM™ dimming technology allows quality and high-end lighting.
- The whole dimming process is flicker-free with high frequency exemption level.
- $\bullet\,$ Comply with the EU's ErP Directive, networked standby<0.5W.
- $\bullet\,$ Multiple current levels, wide voltage range, suitable for LEDs with different power
- 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 automatic recovery.
- Suitable for Class | / || / || indoor light fixtures.
- Normal service life can reach 100,000 hours.
- 5-year warranty (Rubycon capacitor).







IFFF 1789

10000:1











Tachnical Chass

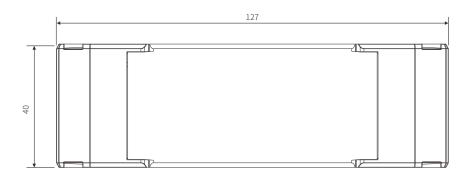
Output	I	SE-20-	100-700-W1D				
	t Type	Constar	nt current				
Dimmi	ing Interface	DALI D	T6				
	t Feature	Isolatio	n				
	tion Grade	IP20					
Insulat	tion Grade	Class II (Suitable for class I/ II /III light fixtures)					
	t Voltage	9-42Vdc					
	num output voltage	≤48Vdc					
	t Current Range	100-700mA					
	t Power Range	0.9W~20W					
001101	ing Range	0~100%, down to 0.01%					
	rrent Ripple	<3%(Maximum current for non dimming state)					
	nt Accuracy	±5%					
	Frequency	≤3600Hz					
	Itage Range	120-300Vdc					
	Itage Range	100-240Vac					
	/oltage						
		115Vac/230Vac					
Freque	Current	50/60Hz					
INDIT	Factor						
THD	racioi	PF>0.95/115Vac (at full load), , PF>0.9C/230Vac (at full load),					
	ncy (Typ.)	THD<10%/230Vac (at full load),					
		84%@700mA(at full load), 87%@500mA (at full load)					
	Current	Cold start 15A(Test twidth=102us tested under 50% peak)/230Vac					
Anti Sı		L-N:2K					
	ge Current	Max.0.2					
	ng Temperature		50°C tc:90°C				
	ng Humidity	20 ~ 95%RH, non-condensing					
IVIRONMENT Storage	e Temperature/Humidity						
-	erature Coefficient	±0.03%/°C(0-50°C)					
Vibrati		10-500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively					
	ad Protection	Automatically protect the device when the load exceeds 102% of the rated power. Automatically recover once load is reduced					
ROTECTION	eat 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 in the PCB temperature >10°C.					
Overvo	oltage Protection	Automatically protect the device when voltage exceeds the no-load voltage. It can be recovered automatically					
	Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically					
	tand Voltage	I/P-0/P: 3750Vac					
	tion Docietanes	I/P-0/I	P: 100MΩ/500VDC/25	°C/70%RH			
Insula	tion Resistance						
Insula	non resistance	CCC	China	GB19510.1, GB19510.14			
Insula	TIOTI RESISTANCE	CCC	Germany	EN61347-1, EN61347-2-13, EN62493			
Insula	uon resistance	CCC TUV CB	Germany CB Member States	EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13			
Insula	THE STATE OF THE S	CCC TUV CB CE	Germany	EN61347-1, EN61347-2-13, EN62493			
Insula	uon resistance	CCC TUV CB	Germany CB Member States	EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13			
	y Standards	CCC TUV CB CE	Germany CB Member States European Union Korea Russia	EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384			
	-	CCC TUV CB CE KC	Germany CB Member States European Union Korea	EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13, EN62384 KC61347-1, KC61347-2-13			
	-	CCC TUV CB CE KC EAC	Germany CB Member States European Union Korea Russia	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	-	CCC TUV CB CE KC EAC RCM	Germany CB Member States European Union Korea Russia Australia	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			
Safety	-	CCC TUV CB CE KC EAC RCM ENEC	Germany CB Member States European Union Korea Russia Australia Europe	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			
Safety &	-	CCC TUV CB CE KC EAC RCM ENEC UKCA	Germany CB Member States European Union Korea Russia Australia Europe Britain	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 &	-	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS	Germany CB Member States European Union Korea Russia Australia Europe Britain India	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 IS 15885 (PART 2/SEC 13)			
Safety &	-	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada	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 IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13			
Safety &	-	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America	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 62493 IS 15885 [PART 2/SEC 13] CSA C22.2 NO.250.13 UL 8750			
Safety &	-	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China	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 62493 IS 15885 (PART 2/SEC 13) CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1			
Safety & EMC	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union	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, 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			
Safety & EMC	-	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea	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 61347-2-13, EN62384 BS EN 61347-1, BS 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			
Safety & EMC	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia	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, 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			
Safety & EMC	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia	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, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN 62493 IS 15885 [APART 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			
Safety & EMC	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain	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, 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, EN61000-3-2, BS EN 61547 BS EN IEC 55015, BS EN IEC 61000-3-2, BS EN 61000-3-3, BS EN 61547			
SAFETY & EMC	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UKCA CUL UKCA CUL UL UKCA CUL UL UKCA CUL UL UKCA CUL UL UKCA	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America	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, 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			
SAFETY & EMC	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UKCA EAC RCM UKCA RCM UKCA	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America Onder Australia Britain Canada	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, 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, EN61000-3-2, BS EN 61000-3-3, BS EN 61547 ICES-005 FCC PART 15B N61547			
SAFETY & EMC E	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UKCA Standby	Germany 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 On-4-2,3,4,5,6,8,11, El	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, 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, EN61000-3-2, BS EN 61000-3-3, BS EN 61547 ICES-005 FCC PART 15B N61547 No standby mode			
SAFETY & EMC E	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UKCA Standby Networ	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America O-4-2,3,4,5,6,8,11, Ely y power consumption ked standby	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, 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 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 N61547 No standby mode 40.5W (After shutdown by command)			
SAFETY & EMC E	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA Standby Networ	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America Od-4-2,3,4,5,6,8,11, El	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, IEC61347-2-13 EN61347-1, EN61347-2-13 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, EN61000-3-2, 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 N61547 No standby mode 40.5W (When the lamp is not connected)			
SAFETY & EMC E	y Standards Emission mmunity Consumption	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UKCA Standby Networ	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America Od-4-2,3,4,5,6,8,11, El	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, 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 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 N61547 No standby mode 40.5W (After shutdown by command)			
SAFETY & EMC E	y Standards	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA Standby Networ	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America O1-4-2,3,4,5,6,8,11, EI power consumption ked standby	EN61347-1, EN61347-2-13, EN62493 IEC61347-1, IEC61347-2-13 EN61347-1, EN61347-2-13 EN61347-1, EN61347-2-13 IEC61347-1, IEC61347-2-13 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, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS EN 62493 IS 15885 (PART 2/SEC 13) CSA C22. 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 N61547 No standby mode 40.5W (When the lamp is not connected)			
SAFETY & EMC E	y Standards Emission mmunity Consumption	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UL Standby Networ No-loac	Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada America O1-4-2,3,4,5,6,8,11, EI / power consumption ked standby d power consumption	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, IEC61347-2-13 EN61347-1, EN61347-2-13 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, EN61000-3-2, 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 N61547 No standby mode «0.5W (After shutdown by command) «0.5W (When the lamp is not connected) Meet IEEE 1789 standard/High frequency exemption level			
SAFETY & EMC E EMC I Power Flicket DF	y Standards Emission mmunity Consumption	CCC TUV CB CE KC EAC RCM ENEC UKCA BIS CUL UL CCC CE KC EAC RCM UKCA CUL UL EN610C Standby Networ No-loac	Germany 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 O-4-2,3,4,5,6,8,11, EI power consumption ked standby power consumption 89 4 actor	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, IEC61347-2-13 EN61347-1, EN61347-2-13 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. 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 N61547 No standby mode ≼0.5W (After shutdown by command) ≼0.5W (When the lamp is not connected) Meet IEEE 1789 standard/High frequency exemption level Pst LM≼1.0, SVM≼0.4			

127×40×23mm(L×W×H)

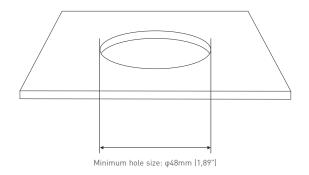


Product Size

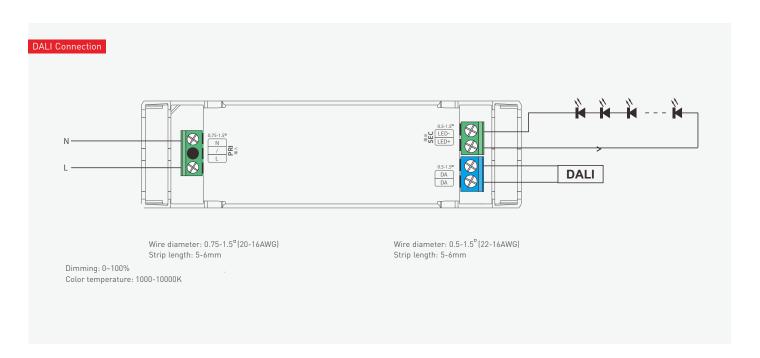
Unit: mm







Wiring Diagram



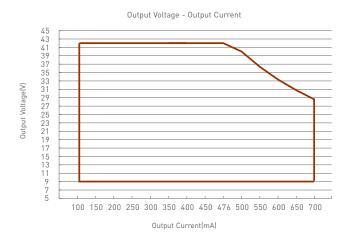
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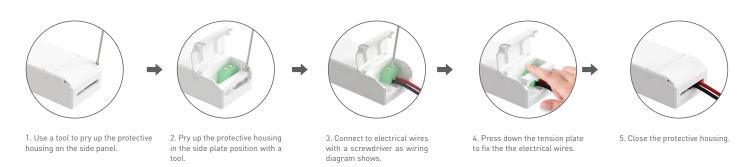
SE-20-100-700-W1D

Current and Parameters Sheet

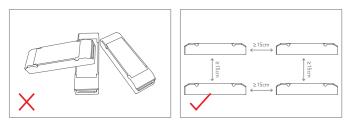
Set output current on the NFC programmer or via the App						
	Output Current (I) Range	100-476mA	476-700mA			
SE-20-100-700-W1D	Output Voltage (U) Range	9-42Vdc	See the curve below for details			
	Output Power (P) Range	0.9-20W	4.284-20W			



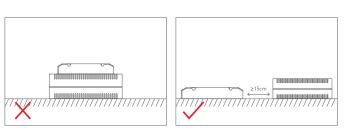
Protective Housing Application Diagram



Installation Precautions



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



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

3



Work with a NFC programmer (LT-NFC)

Change the output current, DALI address and other parameters on the NFC programmer. After modification, batch parameters can be be written to the driver.

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



1. Read the LED driver

Power the programmer by using the USB cable, then select "NFC Driver Settings" and press "OK" button. Next, keep the programmer's sensing area close to the NFC logo of the driver to read the driver parameters.

2. Change the driver parameters (Output current/address)

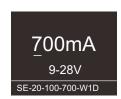
On the home page of the programmer, press "AV" button to select the parameters you want to change and press the "OK" button to edit them. Then, press "AV" button to adjust the parameter values and press " ∢▶ " to select the next needed value. After the parameter values are modified, save them by pressing the "OK" button Note: (1) If the current value you set is out of range, The programmer will report an error; (2) The DALI address range: 0-63.

3. Write to the driver

On the home page of the programmer, press the "AT" button to select [>> Ready to Write], then press the "OK" button. After the screen displays "Ready to write...", please keep the programmer's sensing area close to the NFC logo of the driver. When the screen displays "Write succeeded", it means the parameters have been successfully changed.











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 on the NFC programmer or via the APP, please make sure the driver is powered off.

Read/Write the LED driver

Use your NFC-capable phone to read the driver parameters, then set the output current, address, other parameters, or set the advanced DALL template depending your needs. Save your settings and hold your phone close to the driver again, so the parameters can be easily 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.

Click [Parameter settings] to edit the advanced parameters, like output current, DALI address, dimming curve, advanced DALI template, etc.

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.











Write/Read on the NFC programmer

Connect the NFC programmer to your phone and read the driver parameters with your phone. After editing the solution in the mobile App, you can sync it to the NFC programmer and write advanced parameters to mass LED drivers.

1. Connect to the NFC programmer

Enable Bluetooth on your phone and power the NFC programmer first. Then press the button on the programmer to switch to "BLE Connection" and press "OK" button to wait for Bluetooth connection. On the APP home page, click [Write/Read on NFC programmer] — [Next] to search for the programmer and connect to it.

2. Read the LED driver

On the "Programmer information" page, choose any solution for editing. Then keep the programmer's sensing area close to the NFC logo of the driver, to read the driver parameters.

3. Edit the parameters

Click [Parameter settings] to edit the advanced parameters, like output current, DALI address, dimming curve, advanced DALI template, etc. Then click [Save] in the top right.

4. Write to the LED driver

When the programmer screen shows "Sync ... succeeded", click "BACK" button to return to the home page and switch to the "APP Solutions", then press the "OK" button to access the optional solutions. Select the corresponding solution by pressing the " • button, then keep the programmer's sensing area close to the NFC logo of the driver. After this, the advanced solution can be written to a large number of the same model drivers.

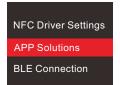


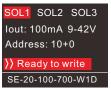














Advanced DALI template

Integrate the functions of the DALI lighting system, edit the DALI group and lighting effects for scenes, then save them in the advanced template to achieve lighting programming. Setup page 1 (for Read/Write LED driver): Go to App home page — 【③】 icon in the top right — 【DALI template on phone】.

 $Setup\ page\ 2\ [for\ Read/Write\ on\ NFC\ programmer]\ -\ [CDALI\ template\ on\ programmer]\ .$







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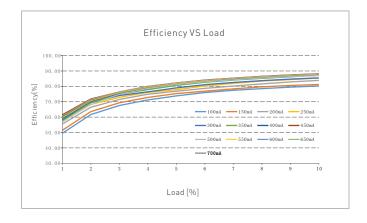


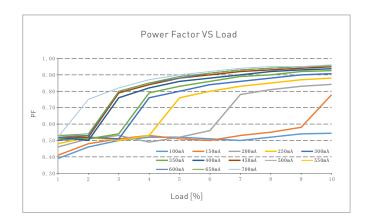
For more advanced solution settings, please scan the QR code below and check out the NFC programmer manual (model: LT-NFC).

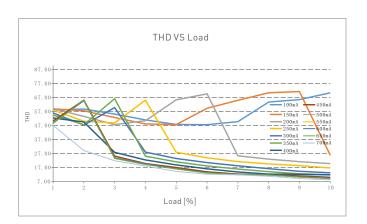


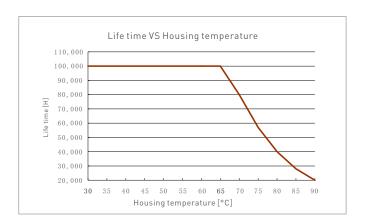


Relationship Diagrams



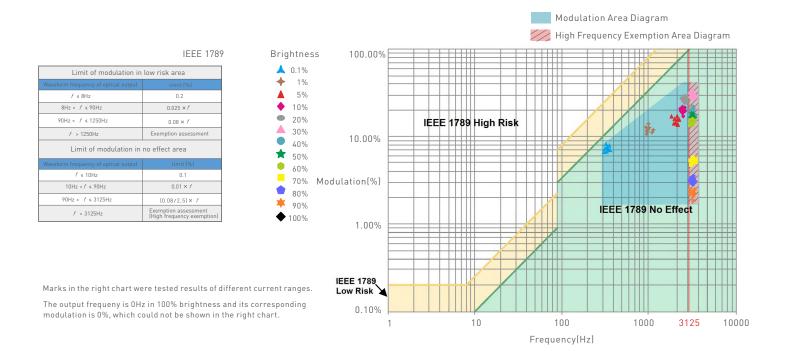






SE-20-100-700-W1D

Flicker Test Sheet



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Packaging Specifications

Model	SE-20-100-700-W1D
Carton Dimensions	290×275×106mm(L×W×H)
Quantity	20 PCS/Layer; 2 Layers/Carton; 40 PCS/Carton
Weight	0.11 kg/PC; 5.2 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

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

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.

ZHUHAI LTECH TECHNOLOGY CO., LTD.



Update Log

Version	Updated Time	Update Content	Updated by
Α0	20230203	Original version	Yang Weiling

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