

Intelligent LED Driver (Constant Current)

- Housing made from SAMSUNG/COVESTRO's V0 flame retardant PC materials.

 • Ultra small, thin and lightweight, screwless end cap.
- Change the output current, 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.
- 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).









10000:1









W UK W O CB SELV C Class 2 ErP O D D





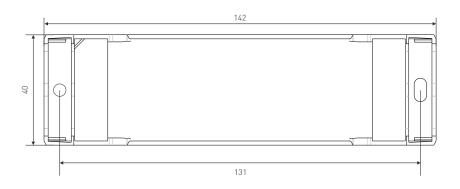
Technical Specs

Model		SE-40-3	300-1050-W1D		SE-30-200-800-W1D	
	Output Type	Constan	it current			
Features	Dimming Interface	DALI DT6				
	Output Feature	Isolation	1			
	Protection Grade	IP20				
	Insulation Grade	Class II	(Suitable for class I/ II /I	II light fixtures)		
	Output Voltage	9-42Vdc				
OUTPUT	Maximum output voltage	<55Vdc				
	Output Current Range	300-105	i0mA		200-800mA	
	Output Power Range	2.7W-40W 1.8W-30W				
	Dimming Range	0~100%, down to 0.01%				
	LF Current Ripple	<3%(Maximum current for non dimming state)				
	Current Accuracy	±5%				
	PWM Frequency	≤3600Hz				
	DC Voltage Range	120-300Vdc				
	AC Voltage Range	100-240Vac				
	Input Voltage	115Vac/230Vac				
	Frequency					
	Input Current	50/60Hz <0.45A/115Vac, <0.22A/230Vac <0.34A/115Vac, <0.17A/230Vac				
	Power Factor			PF>0.9C/230Vac (at full load)		
INPUT	THD		1%/230Vac, at full load	170.70/2007dc (dc rdc todd)		
	Efficiency (Typ.)		770, 200 vac, at ratt toda		87%	
	Inrush Current	88% 87% Cold start 25A(Test twidth=130us tested under 50% peak)/230Vac				
	Anti Surge	L-N: 2K		as tested dilder 30% (peak)/230vac		
	Leakage Current	Max. 0.				
			~ 45°C tc: 90°C			
	Working Temperature					
WIDONMENT	Working Humidity	20 ~ 95%RH, non-condensing				
NVIRONMENT	Storage Temperature/Humidity	-40 ~ 80°C/10-95%RH				
	Temperature Coefficient	±0.03%/°C(0-50°C)				
	Vibration	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively				
	Overload Protection	Automatically protect the device when the load exceeds 102% of the rated power. 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				
	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		·	uit occurs, and recover automatically		
	Withstand Voltage	I/P-0/F	P: 3750Vac	-		
	 	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-0/F I/P-0/F CCC TUV	P: 3750Vac P: 100MΩ/500VDC/25°C China Germany	C/70%RH GB19510.1, GB19510.14 EN61347-1, EN61347-2-13, EN62493		
	Withstand Voltage	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: 100MΩ/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	I/P-O/F I/P-O/F CCC TUV CB CE KC EAC	P: 3750Vac P: 100MΩ/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		
	Withstand Voltage Insulation Resistance	I/P-O/F I/P-O/F CCC TUV CB CE KC EAC	P: 3750Vac P: 100MΩ/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		
	Withstand Voltage Insulation Resistance	I/P-O/F I/P-O/F CCC TUV CB CE KC EAC RCM ENEC	P: 3750Vac P: 100MΩ/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 AS 61347-1, AS 61347-2-13 EN61347-1, EN61347-2-13, EN62384		
SAFETY	Withstand Voltage Insulation Resistance	I/P-O/F I/P-O/F CCC TUV CB CE KC EAC	P: 3750Vac P: 100MΩ/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	N 62493	
&	Withstand Voltage Insulation Resistance	I/P-0/F I/P-0/F CCC TUV CB CE KC EAC RCM ENEC UKCA BIS	P: 3750Vac P: 100MΩ/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 E IS 15885 [PART 2/SEC 13]	N 62493	
	Withstand Voltage Insulation Resistance	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 E IS 15885 [PART 2/SEC 13] CSA C22.2 NO.250.13	N 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: 100MQ/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, IEC61347-2-13, EN62384 KC61347-1, IEC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, BS EN 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E IS 15885 [PART Z/SEC 13] CSA C22.2 NO.250.13 UL 8750	N 62493	
&	Withstand Voltage Insulation Resistance	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 E IS 15885 [PART 2/SEC 13] CSA C22.2 NO.250.13	N 62493	
&	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	P: 3750Vac P: 100MQ/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, IEC61347-2-13, EN62384 KC61347-1, IEC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 EN61347-1, BS EN 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E IS 15885 [PART Z/SEC 13] CSA C22.2 NO.250.13 UL 8750		
&	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: 100MΩ/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, IEC61347-2-13, EN62384 KC61347-1, IEC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, 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 E IS 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: 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, IEC61347-2-13, EN62384 KC61347-1, IEC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, AS 61347-2-13 AS 61347-1, BS EN 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E IS 15885 [PART Z/SEC 13] CSA C22.2 NO.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, E		
&	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	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 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, IEC61347-2-13 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 61347	N61547	
&	Withstand Voltage Insulation Resistance Safety Standards	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 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, IEC61347-2-13 IEC61347-1, IEC61347-2-13 AS 61347-1, IEC61347-2-13 EN61347-1, AS 61347-2-13 EN61347-1, BS EN 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E 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, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015	N61547 N61547	
&	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 UCCA CUL UL CUL UL CUL CUL UL CUL CUL CUL UL CUL C	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 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, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E IS 15885 [PART 2/SEC 13] CSA C22.2 N0.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, E BS EN IEC 55015, BS EN IEC 61000-3-2, ICES-005	N61547 N61547	
&	Withstand Voltage Insulation Resistance Safety Standards EMC Emission	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 CUL UL UL UKCA	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 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, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E IS 15885 [PART 2/SEC 13] CSA C22.2 N0.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, E BS EN IEC 55015, BS EN IEC 61000-3-2, ICES-005 FCC PART 15B	N61547 N61547	
&	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 CUL UL UL UKCA	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 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, EN62384 BS EN 61347-1, BN 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E IS 15885 [PART 2/SEC 13] CSA C22.2 N0.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-2, ICES-005 FCC PART 15B	N61547 N61547	
&	Withstand Voltage Insulation Resistance Safety Standards EMC Emission	I/P-0/F I/P-0/	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 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, EN61347-2-13, EN62384 BS EN 61347-1, EN61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E IS 15885 [PART 2/SEC 13] CSA C22.2 N0.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, E BS EN IEC 55015, BS EN IEC 61000-3-2, ICES-005 FCC PART 15B	N61547 N61547	
&	Withstand Voltage Insulation Resistance Safety Standards EMC Emission	I/P-0/F 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 UKCA UKCA UKCA UKCA CUL CNEWOFI	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 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, EN62384 BS EN 61347-1, BN 61347-2-13, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E IS 15885 [PART 2/SEC 13] CSA C22.2 N0.250.13 UL 8750 GB/T17743, GB17625.1 EN55015, EN61000-3-2, EN61000-3-3, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-2, ICES-005 FCC PART 15B	N61547 N61547	
&	Withstand Voltage Insulation Resistance Safety Standards EMC Emission EMC Immunity Power Consumption	I/P-0/F 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 UKCA UKCA UKCA UKCA CUL CNEWOFI	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 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, 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, BS EN 61347-2-13, BS E 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, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, E BS EN IEC 55015, BS EN IEC 61000-3-2, ICES-005 FCC PART 15B 61547 <0.5W (After shutdown by command)	N61547 N61547 BS EN 61000-3-3, BS EN 61547	
& EMC	Withstand Voltage Insulation Resistance Safety Standards EMC Emission	I/P-0/F I/P-0/	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 Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada Australia Britain Canada Australia Britain Canada America O-4-2,3,4,5,6,8,11, ENexed standby	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, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E 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, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, E BS EN IEC 55015, BS EN IEC 61000-3-2, 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.	N61547 N61547 BS 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: 100MΩ/500VDC/25°C China Germany CB Member States European Union Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia European Union Korea Russia Australia European Union Korea Russia Australia Britain Canada America China European Union Korea Russia Australia Britain Canada America 10-4-2,3,4,5,6,8,11, ENexed standby	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, IEC61347-2-13 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 E 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, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-2, 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 Pst LM<1.0, SVM<0.4	N61547 N61547 BS EN 61000-3-3, BS EN 61547	
& EMC	Withstand Voltage Insulation Resistance Safety Standards EMC Emission EMC Immunity Power Consumption	I/P-0/F I/P-0/	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 Korea Russia Australia Europe Britain India Canada America China European Union Korea Russia Australia Britain Canada Australia Britain Canada Awerica O-4-2,3,4,5,6,8,11, ENexed standby I power consumption B9 I actor	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, EN62384 BS EN 61347-1, BS EN 61347-2-13, BS E 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, E KSC 9815, KSC 9547 IEC62493, IEC61547, EH55015 EN55015, EN61000-3-2, EN61000-3-3, E BS EN IEC 55015, BS EN IEC 61000-3-2, 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.	N61547 N61547 BS EN 61000-3-3, BS EN 61547	

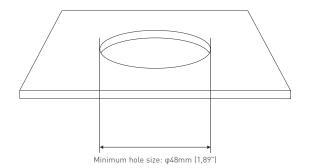


Product Size

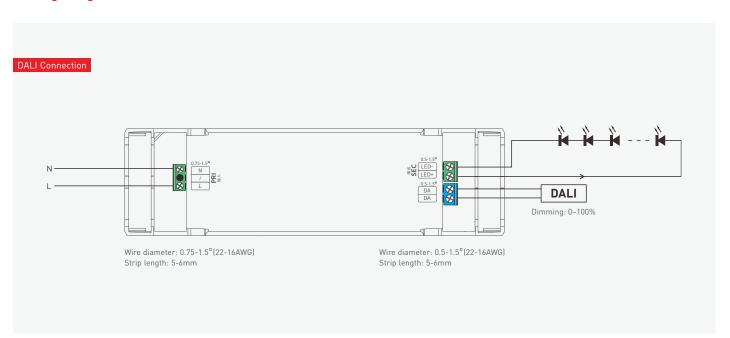
Unit: mm







Wiring Diagram

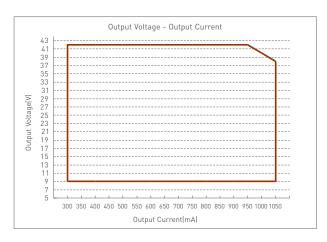




Current and Parameters Sheet

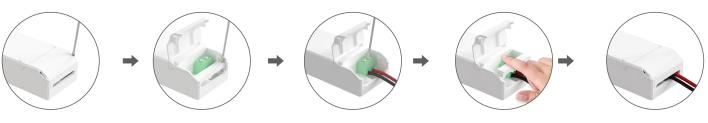
Set output current on the NFC programmer or via the App					
	Output Current (I) Range	300-952mA	953-1050mA		
SE-40-300-1050-W1D	Output Voltage (U) Range	9-42Vdc	See the curve below for details		
	Output Power (P) Range	2.7-40W	8.577-40W		

Set output current on the NFC programmer or via the App					
	Output Current (I) Range	200-714mA	715-800mA		
SE-30-200-800-W1D	Output Voltage (U) Range	9-42Vdc	See the curve below for details		
	Output Power (P) Range	1.8-30W	6.435-30W		



SE-40-300-1050-W1D SE-30-200-800-W1D

Protective Housing Application Diagram



1. Use a tool to pry up the protective housing on the side panel.

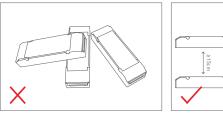
2. Pry up the protective housing in the side plate position with a tool.

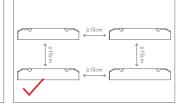
3. Connect to electrical wires with a screwdriver as wiring diagram shows.

4. Press down the tension plate to fix the the electrical wires.

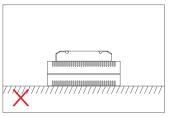
5. Close the protective housing.

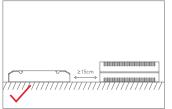
Installation Precautions





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.



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 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.

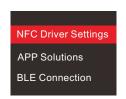
2. Change the driver parameters (Output current/DALI address)

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 "I o select the next needed value. After the parameter values are modified, save them by pressing the "OK" button.

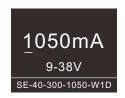
Note: [1] If the current value you set is out of range, The programmer will report an error; [2] The DALI address range: 0-63.

3. Write to the driver

On the home page of the programmer, press the "Av" 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, DALI 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.

2. Edit the parameters

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

3. Write to the drive

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】.

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







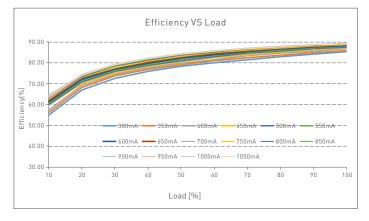


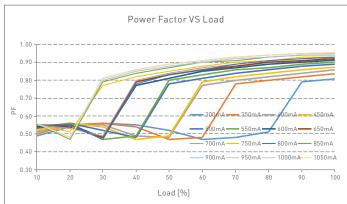
For more advanced solution settings, please scan the QR code below and check out the NFC programmer manual (model: LT-NFC).

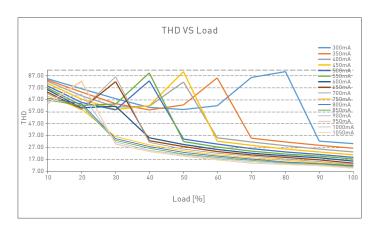


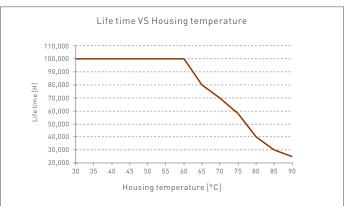


Relationship Diagrams

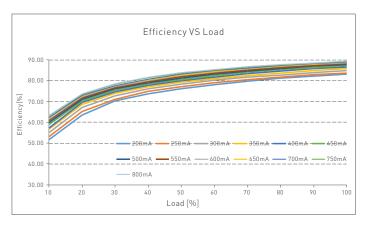


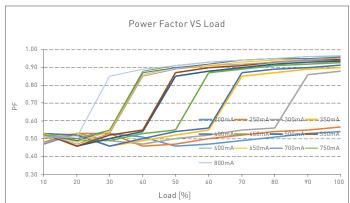


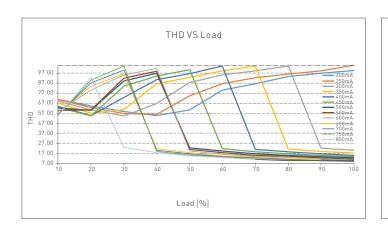


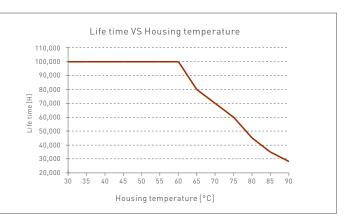


SE-40-300-1050-W1D





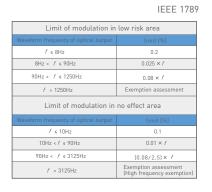


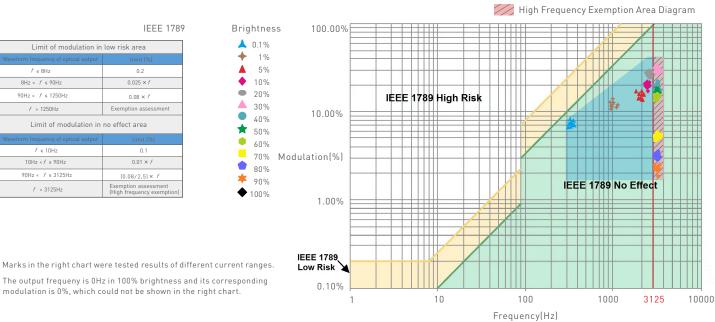


Modulation Area Diagram



Flicker Test Sheet





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-W1D	SE-30-200-800-W1D
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

- 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.
- $\bullet \quad \text{Please keep the product away from a intense magnetic field, a high pressure area or a place where lightning is easy to occur.} \\$
- Please check whether the working voltage used complies with the parameter requirements of the product.
- Before you power on the product, please make sure all the wiring is correct in case of incorrect connection that may cause a short circuit and damage the components, or trigger a accident
- If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.
- * This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

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

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	2022.10.09	Original version	Liu Weili

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