

General

Product Type	Constant Current Driver
Length (mm)	167
Width (mm)	41
Height (mm)	32
Housing Color	White
Housing Material	Plastic
Mounting	Surface mounted
Weight (g)	160

Electronics

Input Domain	AC
Input Voltage	100 ~ 240V AC
Input Current max (A)	0.13A @ 230V AC
Output Voltage	9 ~ 54V DC
Output Current (mA) max/output	250~1000
Output Power Range (W)	2.25~20
Power Factor at Full Load	+0.90 @ 230VAC
Power Supply	Internal
Anti Surge	L-N: 2kV
Efficiency	83%
Leakage current max. (mA)	0.24
Standby Power Loss Max. (W)	0.5
THD (at full load)	9% @ 230V AC
Input Frequency	50 ~ 60Hz
Inrush Current	10A @ 230VAC

Lighting

Color Range	Tunable White	
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Control

Output Signal	PWM-CC, DALI DT8
Control	DALI
Dimming Range	O~100%

Protection

Protection Class	II
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Environmental

Storage Temperature	-40 ~ +80 °C
Operating Temperature	-20 ~ +50 °C

CE 5 year warranty

Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



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SE-20-250-1000-W2D2

LTECH



2.25~20W 250~1000mA 9~54Vdc

STECH STEEL STEEL

LED Intelligent CT Driver

- Dimming interface: DALI DT8, Push DIM
- T-PWM[™] digital dimming.
- Dimming range: 0~100%, LED start at 0.01% possible.
- DALI DT8 CT adjustment driver.
- 0-100% flicker-free (IEEE 1789 standard).
- . Innovative thermal management technology, intelligent power
- Over temp. / Over voltage / Over load / Short circuit protection, recover automatically.
- . In line with the EU energy efficiency ERP directive, standby power consumption < 0.5W.
- DALI bus standard: IEC62386-101,102, 209
- Suitable for internal lights application for I/□/□.
- 5 years warranty (Rubycon capacitor).





IEEE 1789

T-PWM Super depth dimming technology

Flicker-free









DT8 CT adjustment



Dimmable:

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0.01-100%

















Main characteristics

DALI, Push DIM Dimming interface:

100-240Vac (120-300Vdc) Input voltage:

Frequency: 50/60Hz

Input current: 115Vac≤0.25A, 230Vac≤0.13A

Output current: 250-1000mA Output power: Max. 20W

Power factor: PF>0.95/115Vac , PF>0.90/230Vac, at full load

THD 230Vac@THD≤9%, at full load

Efficiency: < 0.5W Standby power loss:

Cold start 10A at 230Vac (twidth=40µs measured at 50% Ipeak) Inrush current(typ.):

Anti surge: I -N. 2kV

Leakage current: <0.24mA/230Vac Output voltage: 9-54Vdc Max output voltage: 59Vdc

Almost flicker-free / High frequency exemption Strobe level:

assessment level.

0~100%, 0.01% dimming depth. Dimming range:

LF current ripple(<120Hz): <2% +5% Current accuracy: Ripple & Noise: ≤2V PWM dimming frequency: ≤3600Hz

Working temperature: ta: -20 ~ 50°C tc: 75°C 20 ~ 95%RH, non-condensing Working humidity: -40 ~ 80°C, 10~95%RH Storage temp., humidity:

Temp. coefficient: +0.03%/°C[0-50°C]

10~500Hz, 2G 12min./1cycle, period for 72min. Vibration.

each along X, Y, Z axes.

LED Current Selection

DIP switch for 8 optional currents' quick selection(see the table below).

* Please choose the current value when the driver is power off.

Choose current via DIP switch



	DIP switch	TTTT	1117	TTTT	1177	T 1 T T	TIT	TLLT	TITI	
	Output current	250mA	300mA	350mA	400mA	450mA	500mA	550mA	600mA	
	Output voltage	9-54V	9-54V	9-54V	9-50V	9-45V	9-40V	9-37V	9-34V	_
SE-20-250-1000-W2D2	Output power	2.25-13.5W	2.7-16.2W	3.15-18.9W	3.6-20W	4.05-20.25W	4.5-20W	4.95-20.35W	5.4-20.4W	T ON
32 20 200 1000 W252	DIP switch	7 1 1 1	TAAT	TITL	TATT	TTLL	TTAT	TTTL	TTTT	ON _
	Output current	650mA	700mA	750mA	800mA	850mA	900mA	950mA	1000mA	OFF
	Output voltage	9-31V	9-29V	9-27V	9-25V	9-24V	9-22V	9-21V	9-20V	
	Output power	5.85-20.15W	6.3-20.3W	6.75-20.25W	7.2-20W	7.65-20.4W	8.1-19.8W	8.55-19.95W	9-20W	

Protection

Over temp. protection: Intelligently adjusting or turning off the output current if the PCB temperature $\geqslant 110^{\circ}\text{C}$, auto recovers.

Shut down the output when current load≥102%, auto recovers. Over load protection: Short circuit protection: Shut down automatically if short circuit occurs, auto recovers.

Over voltage protection: Output current declined when over non-load voltage,

auto recovers

Safety & EMC

Withstand voltage: I/P-0/P: 3750Vac

Isolation resistance: I/P-0/P: $100M\Omega/500VDC/25$ °C/70%RH Safety standards: IEC/EN61347-1, IEC/EN61347-2-13

EMC emission: EN55015, EN61000-3-2 Class C, IEC61000-3-3

FMC immunity-EN61000-4-2,3,4,5,6,8,11, EN61547

IEEE 1789 Strobe test standard:

Others

Dimension: 167×41×32mm(L×W×H) Packing: 168×43×35mm(L×W×H)

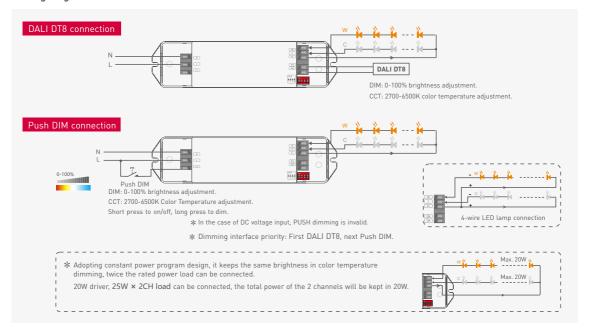
Weight(G.W.): 160g±10g

www.ltech-led.com









Push DIM/CCT

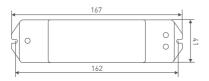


- On/off control: Short press.
- Stepless DIM/CT: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

Reset switch

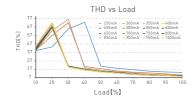
Dimensions

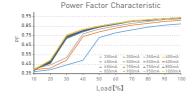
Unit: mm

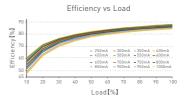




Relationship diagrams







* No further notice if any changes in the manual.

Product function depends on the goods.

Please feel free to contact your supplier if any question.