

SDL100-VF

- Built-in constant voltage LED drive power supply
- Built in push dimming
- Linear or log curve optional
- Dimming range 1.0-100%
- Start-up time is less than 0.5s
- Efficiency greater than 92%
- For indoor lighting, office lighting
- Comply to DALI 2.0 standard (IEC 62386-101,102,207)
- Open circuit, short circuit, overload, over temperature protection

Model	
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Output

Voltage Range	12VDC	24VDC
Rated Current	8.33 Max	4.17A
Max Output Power	100W	
Setup Time	<0.5 sec. @230VAC	
Storage Temp., Humidity		
Dimming range	1.0-100%	

Input

Input Mode	DALI or Push Dimming
Voltage Range	220-240VAC
Input Power	<115W
Input Current	0.6A Max.
Inrush Current	50A MAX

Protection

Over Current	110-150%	
OverVoltage	15VDC MAX	26VDC MAX
Over Temperature	Thermal lock	
Short Circuit	Hiccup mode auto-recovery	

Environment

Working Temperature	-40~45°C
Working Humidity	15 95% RH
Storage Temp., Humidity	-40~80°C , 10 95% RH
Temp. Coefficient	±0.05%/°C (-10 45°C)
Vibration	10 ~ 500Hz, 2G 10min./1cycle, 30 min. each along X, Y, Z axes

Safety & EMC

Safety Standards	EN61347-1,EN61347-2-13
DALI Standards	comply to DALI 2.0 standard(IEC 62386-101,102,207)
Withstand Voltage	I/P:-O/P:5.3KVDC 1mins
Isolation Resistance	I/P:-O/P:50M Ohm/500VDC/25!C /70%RH
Harmonic	comply to EN61000-3-2 CLASS C 100% load
EMC Emission	comply to EN55015,FCC PART15 ClassB
EMC Immunity	comply to EN61000-4-2, -3, -4, -5, -6, -8, -11; EN55024 EN61547

Others

MTBF	5 years MIL-HDBK-217F (45°C)
Dimension	361.5x30x21.3mm
Packing	

Dimming operation

Push dimming

Function	Push time
No status change	<0.05 sec.
Push on/off	0.1-1 sec.
Dimming up or down	1.5-10 sec.
Set 100% brightness	>1 sec.

Factory setting 100%

Each time press will change the dimming direction

Dimming connection diagram

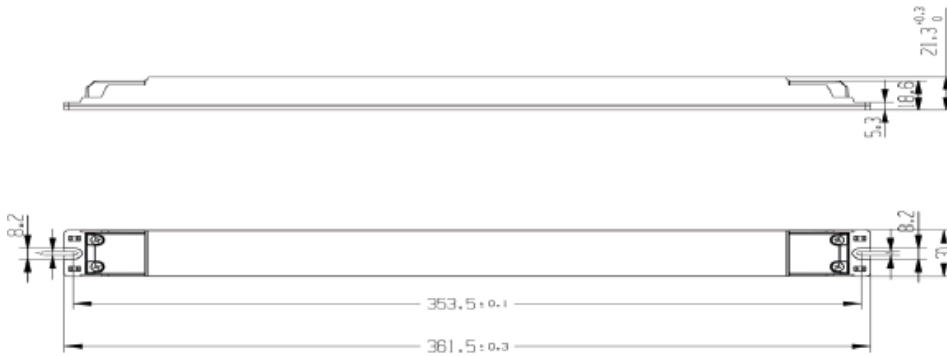
The DALI wiring diagram



The PUSH dimming wiring diagram



Please select the suitable wires to ensure maximum voltage between two products should be no higher than 2V during synchronous parallel operation
Dimensions



Pin function description

Functions	Description
DA	DA signal/AC Null Wire
DA	DA signal/connect it between AC Live Wire and swi
AC/N	AC Null Wire
AC/L	AC Live Wire
Vout+	Positive polarity
Vout-	Negative polarity