

# NINGBO SNAPPY OPTOELECTRONICS CO.,LTD SDL200-VF



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

Model		SDL200-VF	
Output	VOLTAGE RANGE	12VDC	24VDC
	RATED CURRENT	4MIN-14.2MAX	2MIN-8.33MAX
	MAX OUTPUT POWER	170W	200W
	SETUP TIME	<0.5 sec. @230VAC	
	Dimming range	1.0-100%	
Input	Input mode	DALI OR PUSH DIMMING	
	VOLTAGE RANGE	220-240VAC	290-360VDC
	INPUT POWER	<220W	
	Input current	1.2A MAX	
	Inrush current	50A MAX	
Protection	OVER CURRENT	110-160%	
	OVER VOLTAGE	18VDC MAX	36VDC MAX
	OVER TEMPERATURE	Thermal lock	
	SHORT CIRCUIT	Hiccup mode auto-recovery	
Environment	WORKING TEMP.	-40~45℃	
	WORKING HUMIDITY	15~95% RH	
	STORAGE TEMP., HUMIDITY	-40~80℃, 10~95% RH	
	TEMP. COEFFICIENT	±0.05%/℃ (-10~45℃)	
	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℃/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 (50℃)	
	DIMENSION	429.5x32x23.5mm	
	PACKING		

## ■ Dimming operation

### 1 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.
Long press in the off state, dimming starts from the minimum value	>1sec
Set 100% brightness	>11sec.

Factory setting 100%

Each time press will change the dimming direction

### 2 DALI connector

DALI protocol includes 16 groups and 64 addresses

DALI protocol can be divided into 16 scene control

## ■ Dimming connection diagram

The DALI wiring diagram

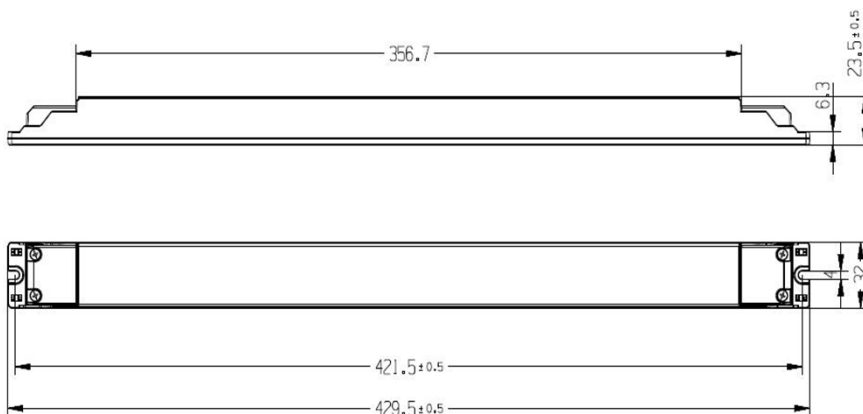


The PUSH dimming wiring diagram



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