

# NINGBO SNAPPY OPTOELECTRONICS CO.,LTD SDL100-24VFB



## Features:

- .Built-in constant voltage LED power supply
- .Built in push dimming
- .Comply with DALI 2.0 standard (IEC 62386-101,102,207)
- .Linear or log curve optional
- .Dimming range 0.1-100%
- .Start-up time is less than 0.5s
- .Open circuit, short circuit, overload, over temperature protection
- .Efficiency more than 92%
- .For indoor lighting,office lighting
- .5 years warranty

Model		SDL100-24VFB
Output	OUTPUT VOLTAGE	24VDC
	RATED CURRENT	4.16A MAX
	MAX OUTPUT POWER	100W
	START UP TIME	4S
	DISCHARGE TIME	60S
	DIMMING RANGE	0.1-100%
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%
	OVER VOLTAGE	26VDC MAX
	OVER TEMPERATURE	Thermal lock
	SHORT CIRCUIT	Auto-recovery
Environment	WORKING TEMP.	-40~50℃
	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 with DALI2.0 standard DT6
	WITHSTAND VOLTAGE	I/P: -O/P: 5.3KVDC 1mins
	ISOLATION RESISTANCE	I/P: -O/P: 50M Ohm/500VDC/25℃/70%RH
	HARMONIC	Comply with EN61000-3-2 CLASS C (100% load)
	EMC EMISSION	Comply with EN55015,FCC PART15 ClassB
	EMC IMMUNITY	Comply with EN61000-4-2、3、4、5、6、8、11; EN55024; EN61547
Others	MTBF	5 years MIL-HDBK-217F (50℃)
	DIMENSION	
	PACKING	

## ■ Dimming operation

### 1 Push dimming

Function	Pushing
No status changing	<0.05 sec.
Push on/off	0.1-1 sec.
Dimming up or down	1.5-10 sec.
Set 100% brightness	>11 sec.

Factory setting 100%

Each time press will change the dimming direction

### 2 DALI interface

DALI agreement includes 16 groups and 64 addresses

DALI agreement can be divided into 16 scenarios

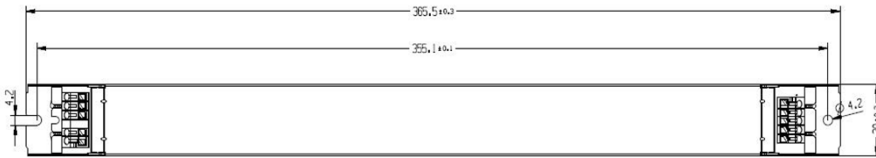
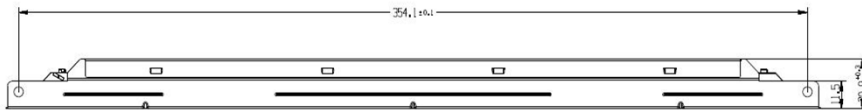
■ Dimming connection diagram  
The DALI wiring diagram



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 line
DA	DA signal/connect it between AC live line and switch
AC/N	AC null line
AC/L	AC hot line
Vout+	Power output positive
Vout-	Power output negative