

150W DALI+PUSH Dimming power supply



■ Approve



Features

- Class II, SELV, independent
- Input Voltage 220-240VAC
- Protections: SCP/OLP/OVP
- Power Factor > 0.95
- Efficiency ≥91%
- 5 years warranty
- Support DALI-2, Push Dimming
- IP20

Applications

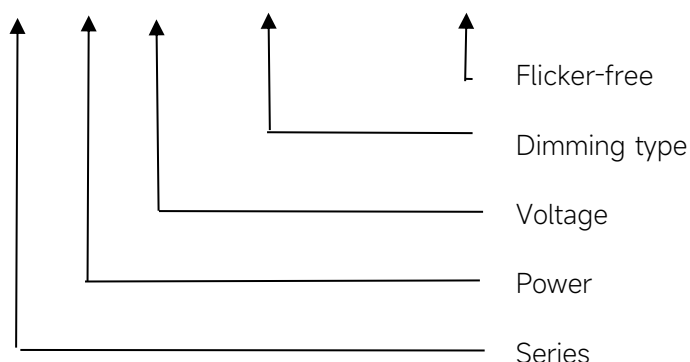
- LED strips

◆ Description

LS-150-24 DALI2-DT8 LI is a 150W constant voltage LED driver that operates from 198-264Vac input with 24V output voltage. With it's dimensions from 340 x 45 x 30.5 mm it is easy to integrate in LED strips products. To ensure trouble-free operation, protection is provided against output short circuit, over Load and over temperature.

◆ Model code

LS-150-24 DALI-2-DT8 LI



◆ Specification

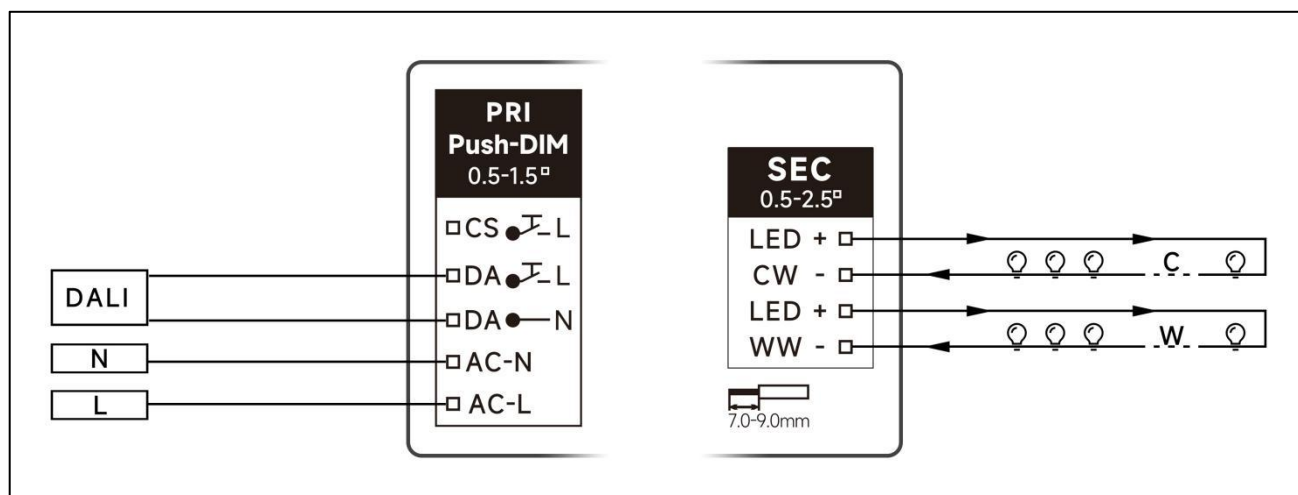
Output	Constant Voltage	24VDC
	Current Range	0-6.25A
	Voltage Accuracy	±5%
	Output HF current ripple(≥1KHz)	±1%
	Output LF current ripple(≤120Hz)	±1%
	SVM	≤0.4
	Pst	≤1
	Efficiency(Typ.)	91%
Input	Rated input voltage	220-240VAC
	Range of input voltage	198-264VAC
	Rated input voltage(DC)	198-280VDC
	Frequency(Hz)	0/50/60 Hz
	Displacement factor	≥0.9
	Power Factor	0.95
	Input Current max	1 A MAX
	Start-up time	< 0.5S
	No Load Power	≤0.5W
	Standby Power	≤0.5W
	Network standby power	≤0.5W
	THD (Typ.)	<8%
Dimming	Dimming	YES
	Dimming mode	DALI-2 IEC 62386-101,102,207,209 & Push Dimming (Corridor Function)
	Dimming depth	1%
	Dimming current range	1-100%
Protection	Over Load Protection	105-150% rated output power YES/Auto Resume
	Over Voltage Protection	> 25.2VDC YES/Auto Resume
	Short circuit Protection	YES/Auto Resume
	Over Temperature Protection	YES/Auto Resume
Environment	Operating Temperature	-20°C~+45°C
	Humidity	20%-90%RH
	Tc	85°C
	Storage Temperature	-20°C~+60°C
	Life time	> 50000h@Tc=85°C
Surface	Dimension	340x45 x30.5 (LXWXH)mm

standards	EN 61347-1; EN61347-2-13; EN62384; EN55015; EN61000-3-2 ; EN61000-3-3; EN 61547;	
Others	ErP	EU 2019/2020
	RoHS	RoHS (2011/65/EU) (EU)2015/863
Note	1.All parameters NOT specially mentioned are measured at 230VAC input , full load and 25°C of ambient temperature. 2.Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor. 3.The DC input for this product is only used for emergency lighting and applies to functional and safety requirements, EMC is not considered. 4.This LED driver meets the EMI specifications above, but EMI performance of a lighting fixture also depends on the other devices on the fixture.	

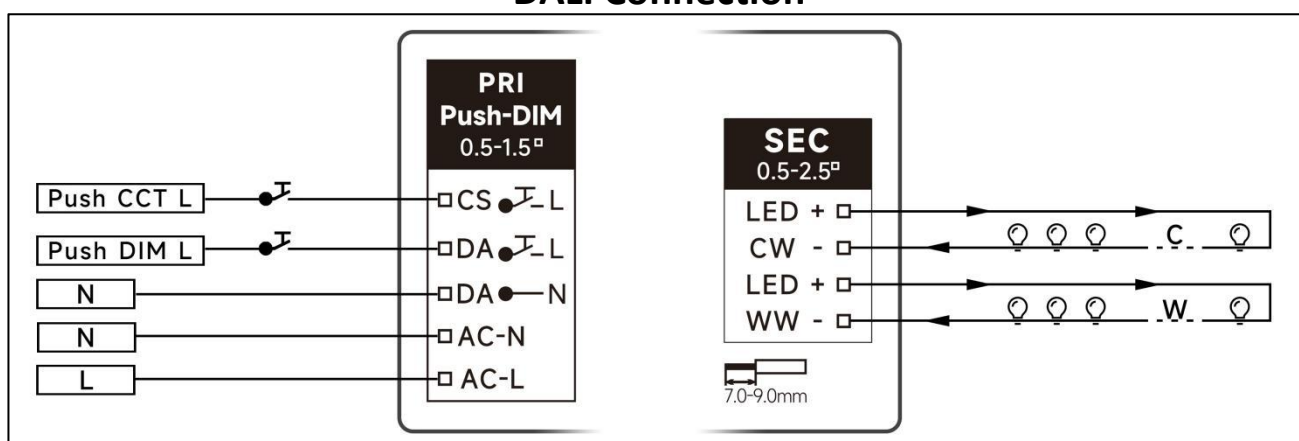
◆ Circuit Breaker

I _{peak}	T _{width}	B10	B16	B20	C10	C16	C20
43.8A	342μs	5pcs	8pcs	10pcs	8pcs	12pcs	16pcs

◆ Wiring diagram

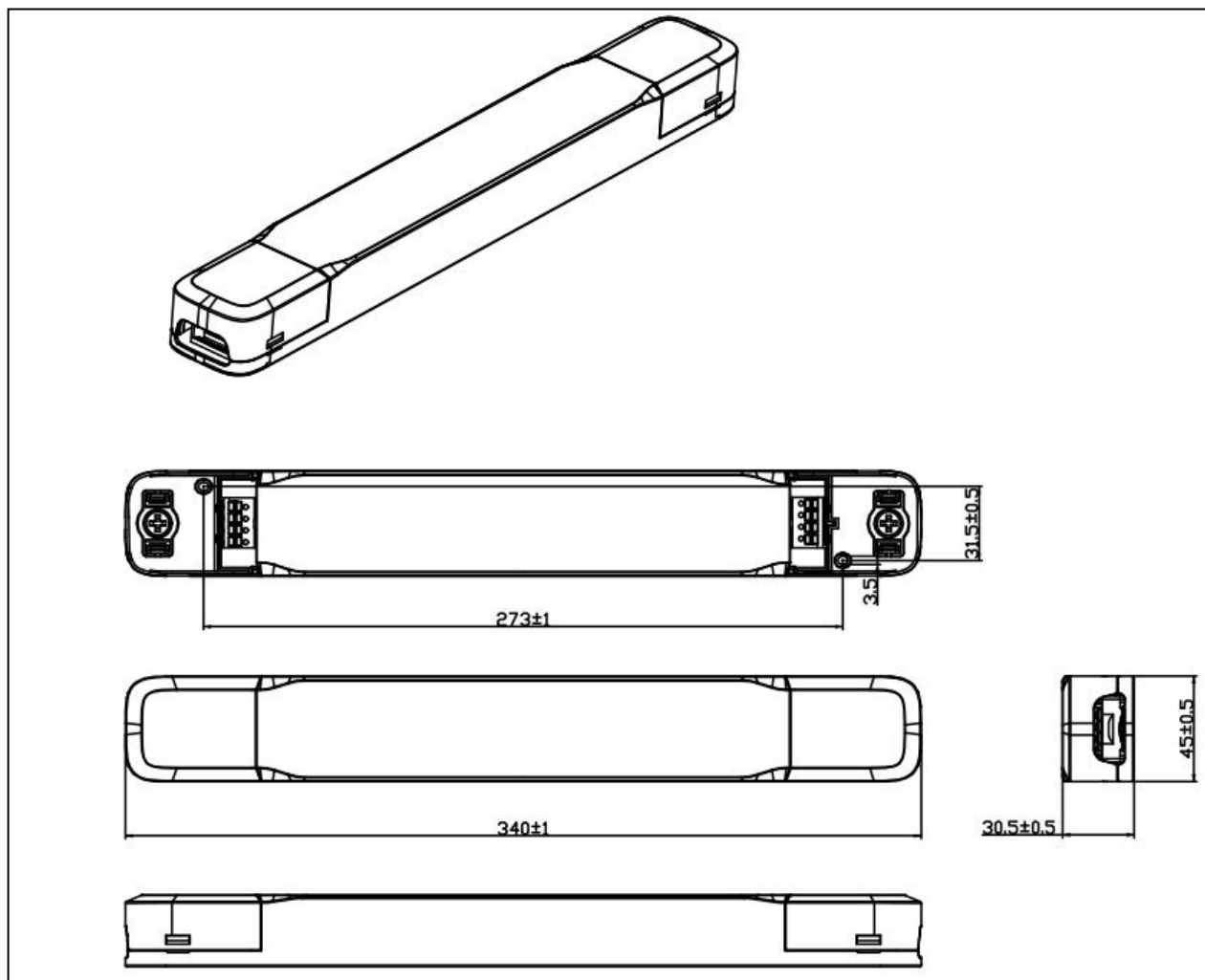


DALI Connection



push DIM/CCT Connection

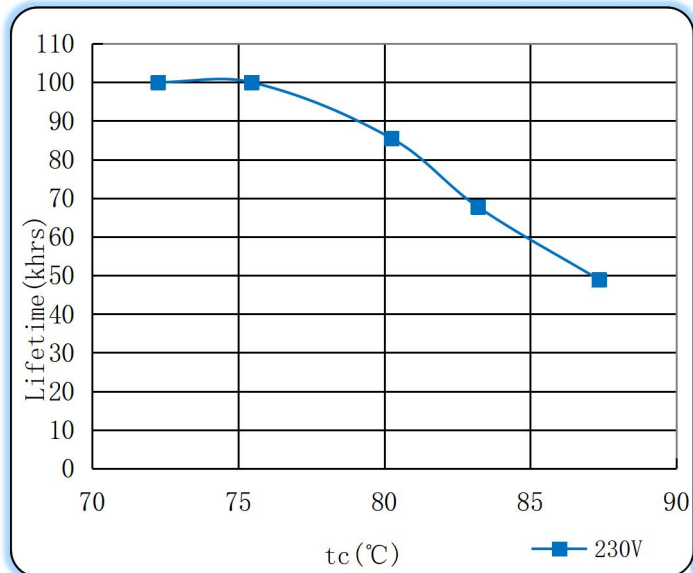
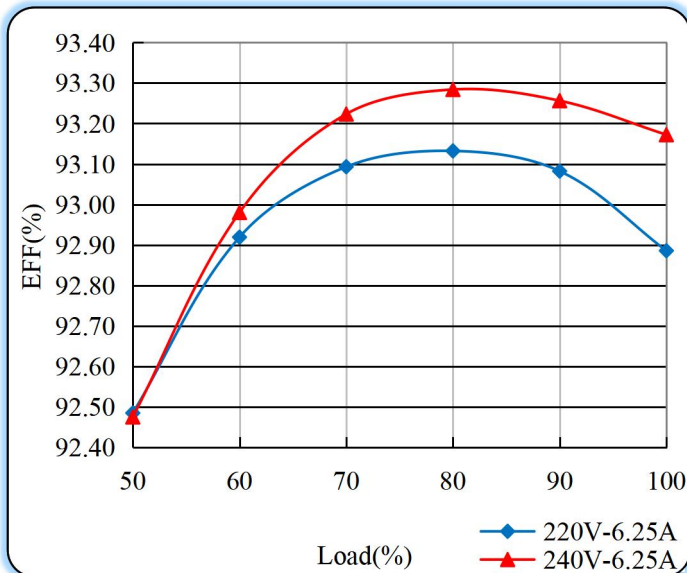
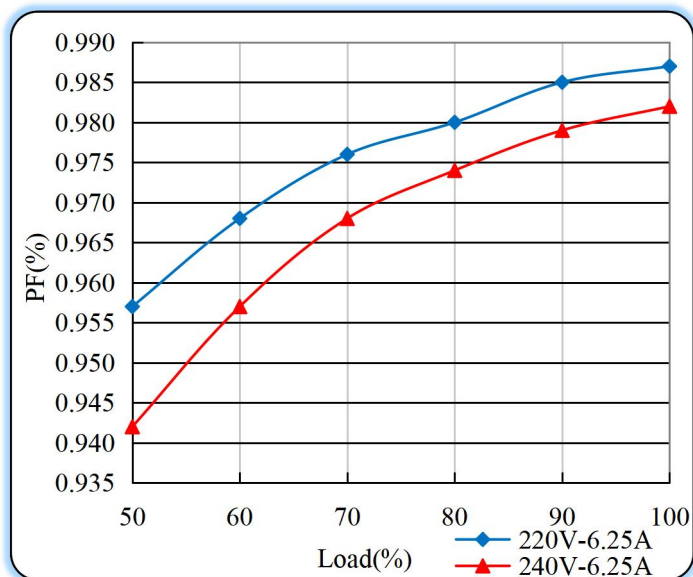
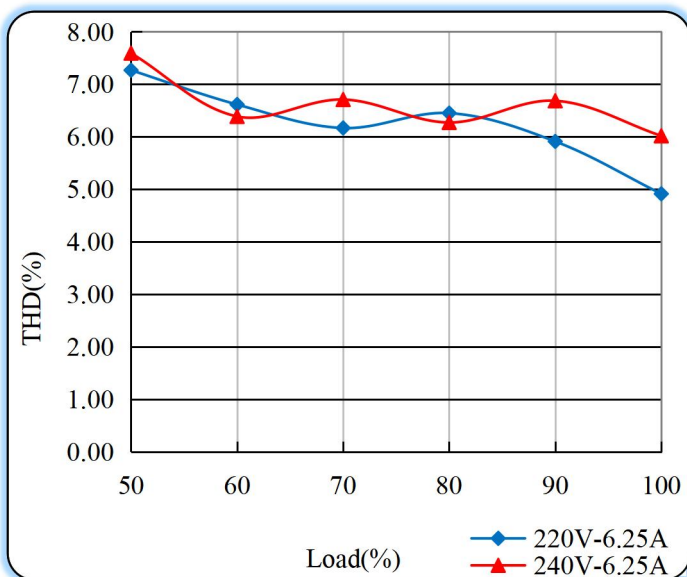
◆ 2D diagram



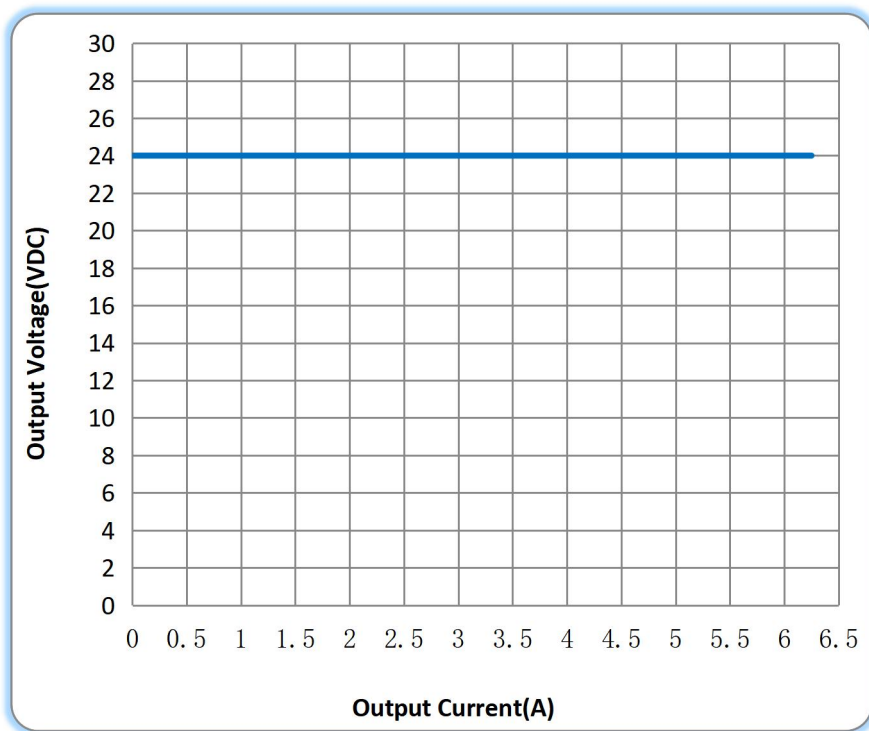
Wiring & Connections

Specification item		Value (Unit)
Input	Input wire cross-section	0.5...1.5 mm ²
	Input wire gauge.	16...20 AWG
	Input wire strip length	7...9mm
Output	Output wire cross-section	0.5...2.5 mm ²
	Output wire gauge.	16...20 AWG
	Output wire strip length	7...9mm

◆ Curve for LS-150-24 DALI-2-DT8 LI

Lifetime vs. Temperature Curve

Efficiency vs. Load

Power Factor Characteristics

THD vs. Load


◆ Operating window



— Operating window 100%

◆ Revision Updates

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2022/05/15

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Manual