

LS-45V24-DALI2

LED power supply for 24 Vdc constant voltage
 1.88 A (45 W) max., IP20, independent installation
 dimmable with DALI, PUSH (pri.)
 Flicker free according to IEEE 1789



Exploded view



Electrical data

Rated input voltage	220...240 Vac	
Range of input voltage	176...264 Vac	
Range of input voltage (DC)	176...280 Vdc	
Mains frequency	50/60 Hz	
Power factor (λ)	> 0.9	220...240VAC
Input current	0.35 A max.	Full Load, 176 Vac
Inrush current	40 A max.	
Leakage current	< 0.5 mA	240 Vac
Output voltage	24 Vdc	
Output current	1.88 A max.	
Output power (nominal)	45 W max.	
Efficiency	≥ 86 %	
Life time	> 44,000 h	50 °C
Dimming	DALI-2 (1-100%) Primary PUSH (1-100%)	

Operating condition

Operating temperature range (t_a)	-20...+50 °C	
Max. Surface temperature (t_c)	85 °C	
Permitted rel. humidity	20...95 %	
Protection class	II	
Type of protection	IP20	

Protection

Short circuit protection	Yes *	
Overload protection	Yes *	105...150 %
Overvoltage protection	Yes *	> 25,2 Vdc
Overheating protection	Yes *	

(*) The output shuts off and will be resumed, after problem is removed and led driver is restarted.

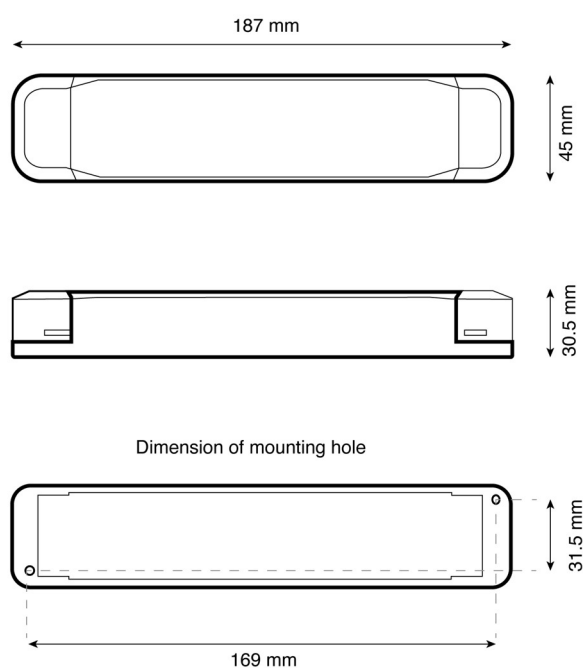
Standards & Certificates

Standards (LVD)	EN 61347-1, EN 61347-2-13 EN 62384
Standards (EMC)	EN 61000-3-2, EN 61000-3-3 EN 61000-4-2, EN 61000-4-5 EN 55015, EN 61547
Approval marks	CE
RoHS compliant	Yes

Installation

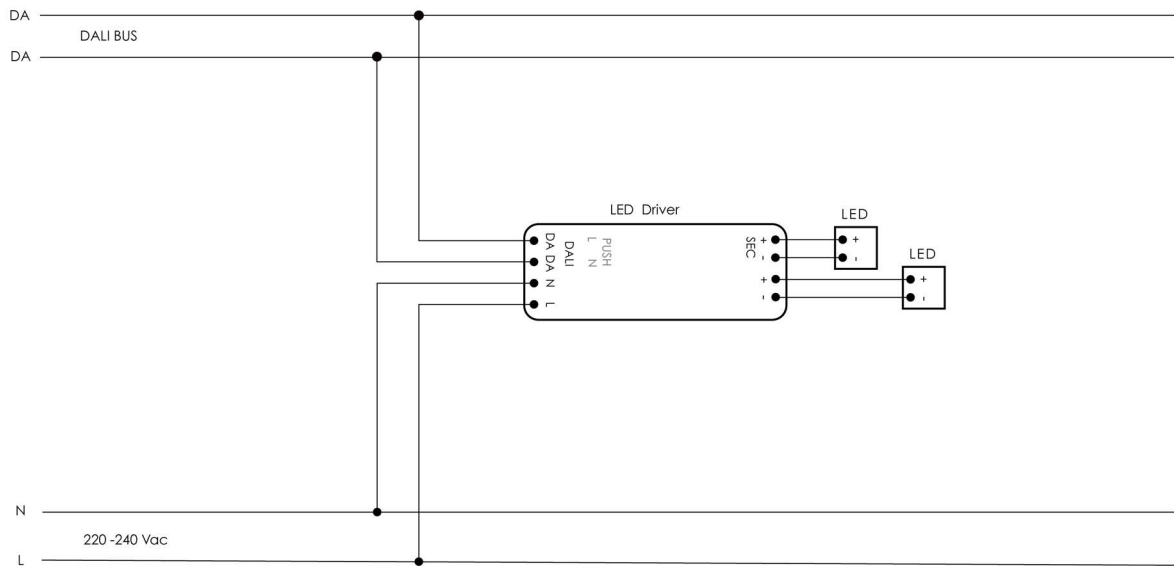
Type of installation	Independent installation
Type of connection	Screw terminal
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Cable preparation length, input side	7...9 mm
Cable preparation length, output side	7...9 mm

Dimension

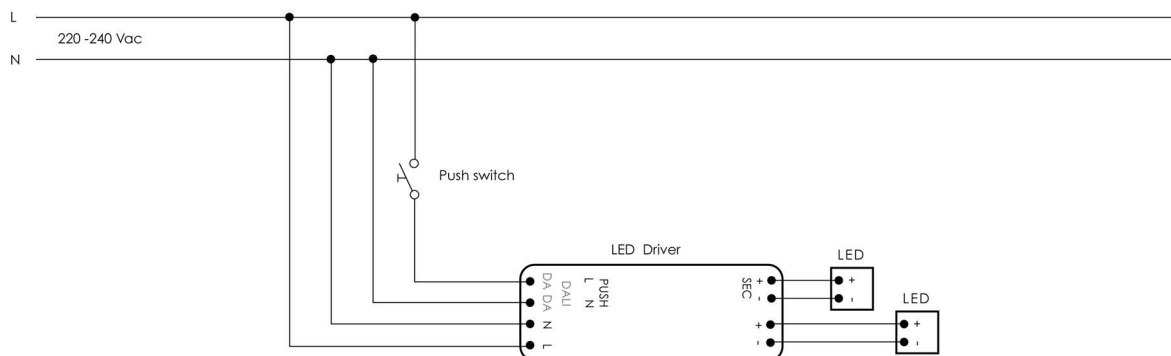


Connection

DALI Dimming



PUSH(pri.) Dimming



Safety Notice



Dangerous currents flow through the body when coming into direct or indirect contact with live components. This can result in electric shock, burns or even death. Work improperly carried out on current-carrying parts can cause fires.

- Disconnect the mains power supply prior to installation and/or disassembly!
- Permit work on the 230 V supply system to be performed only by specialist staff.