

DALI LED Power Supply



Datasheet Control Gear

LED Power Supply with DALI control
input

constant voltage:

Art.Nr. 89453849 (CV, 24V, 25W)

constant current:

Art.Nr. 89453849-350 (CC, 350mA, 15W)

Art.Nr. 89453849-500 (CC, 500mA, 20W)

Art.Nr. 89453849-700 (CC, 700mA, 20W)

DALI 24V LED Power Supply Control Gear

Overview

- LED Power Supply
- Types of constant voltage (24V) and constant current (350mA, 500mA, 700mA) available
- control via DALI
- dimmable from 1% to 100%
- supply voltage 230V AC
- CV-type: output 24V PWM, 1A max.
- CC-types: output with 350mA, 500mA or 700mA
- Configuration with DALI-Cockpit software tool and DALI USB interface
- No idle losses at mains input
- overtemperature shutdown, integrated short circuit protection

Specification, Characteristics

Constant Voltage (CV):

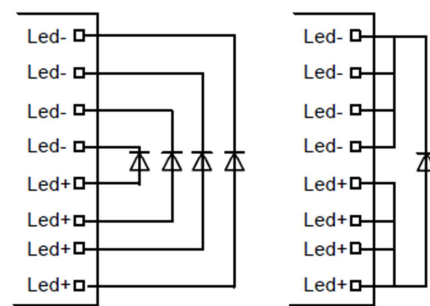
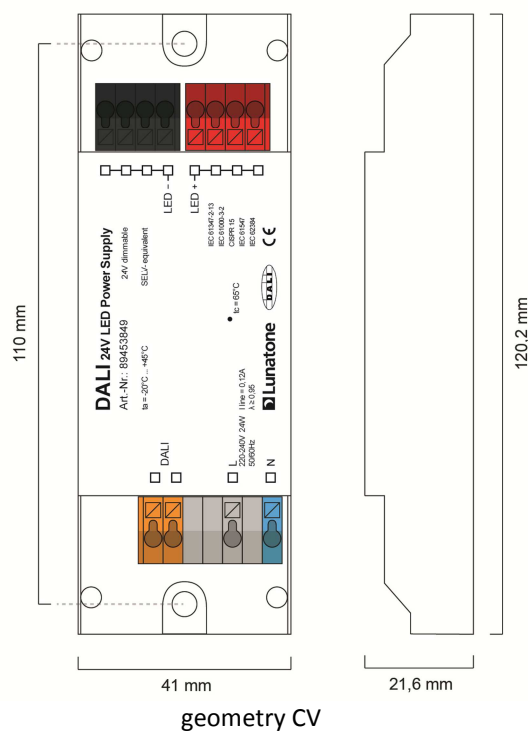
Type	DALI 24V LED Power Supply
article number	89453849

electrical data:

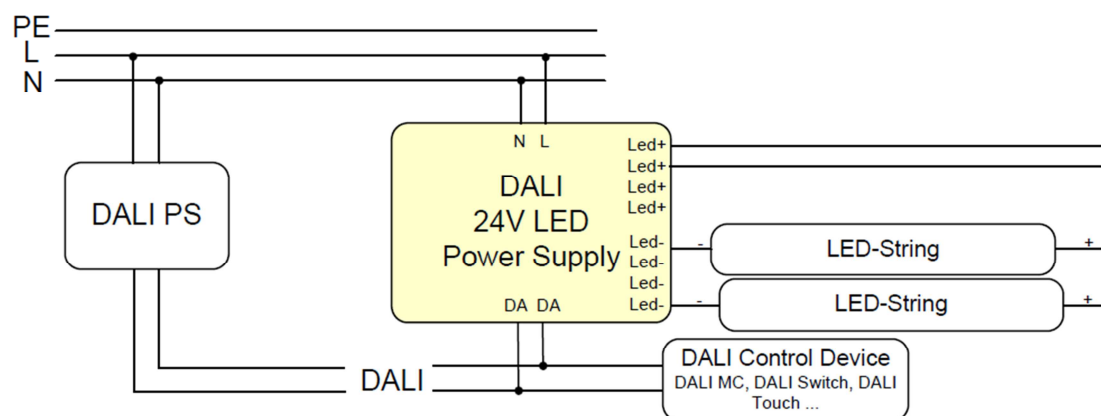
supply	220-240V AC / 50-60Hz, $I_{in}=0.12A$, power factor > 0.95 Inrush current < 0.2A, idle losses < 1mW
control input	DALI (idle losses < 30mW)
output	24V $\pm$ 0.5V PWM (~500Hz)
max. output current	1A
power return behaviour	configurable

mechanical data:

geometry (LxWxH)	120mmx41mmx22mm
ambient temperature	-20°C bis +45°C
protection class	IP20
max. connecting wire cross section	1.5 mm ²



IEC 61347-2-13
IEC 61000-3-2
CISPR 15
IEC 61547
IEC 62384



RECOMMENDATION: Care should be taken on keeping cable lengths between dimmer and luminaires (Led-Strings) as short as possible. This kind of installation will minimize the influence of voltage drops.

Constant Current (CC):

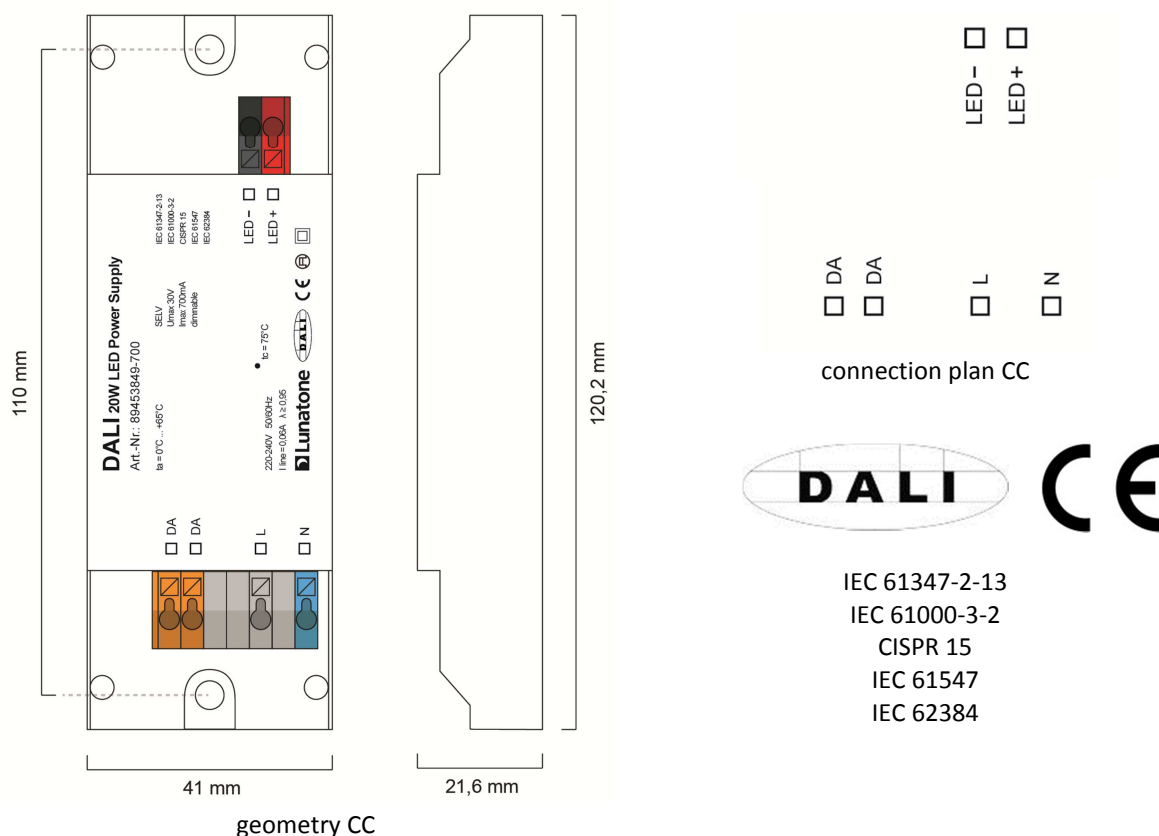
type	DALI 15W LED Power Supply	DALI 20W LED Power Supply	DALI 20W LED Power Supply
article number	89453849-350	89453849-500	89453849-700

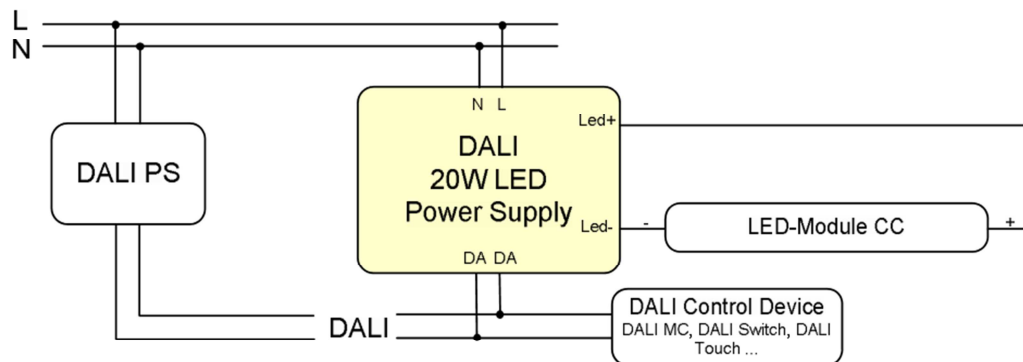
electrical data:

supply	220-240V AC / 50-60Hz, $I_{in}=0.12A$, power factor > 0.95 Inrush current < 0.2A, idle losses < 1mW		
control input	DALI (idle losses < 30mW)		
output current	350mA	500mA	700mA
max. output voltage	38V	36V	30V
power return behaviour	configurable		

mechanical data:

geometry (LxWxH)	120mmx41mmx22mm		
ambient temperature	-20°C bis +45°C		
protection class	IP20		
max. connecting wire cross section	1.5 mm ²		





typical installation

Purchase Information

Art. Nr. 89453549: DALI 24V LED Power Supply, constant voltage (CV), 24V, 25W, $I_{max}=1A$, remote ceiling

Art. Nr. 89453849-350: DALI 15W LED Power Supply, constant current (CC), 350mA, $U_{maxout}=38V$, remote ceiling

Art. Nr. 89453849-500: DALI 20W LED Power Supply, constant current (CC), 500mA, $U_{maxout}=36V$, remote ceiling

Art. Nr. 89453849-700: DALI 20W LED Power Supply, constant current (CC), 700mA, $U_{maxout}=30V$, remote ceiling

Additional Information and Equipment

DALI-Cockpit – free configuration tool from Lunatone for DALI systems

<http://lunatone.at/en/downloads/Lunatone-DALI-Cockpit.zip>

Lunatone DALI products

<http://www.lunatone.at/en/>

Lunatone datasheets and manuals

<http://lunatone.at/en/downloads/>

Contact

Technical Support: support@lunatone.com

Requests: sales@lunatone.com

www.lunatone.com



Disclaimer

Subject to change. Information provided without guarantee.
The datasheet refers to the current delivery.

The compatibility with other devices must be tested in advance to the installation.