



Helvar

Constant Voltage Solution

Flexibility for decorative lighting

As part of our DALI product portfolio, Helvar offers a constant voltage dimming solution for indirect and decorative lighting. Indirect/decorative lighting can be used to highlight architectural features and create atmosphere in a room. Indirect lighting eliminates unnecessary glare and enhances wellbeing.

Flexible lighting design - The constant voltage LED strips can be folded, shaped or cut to suit your requirements. One driver can support several LED strips at the same time. The drivers are designed to be small enough so they are easy to mount.

Superior dimming quality - Together with the DALI driver extension, the drivers have an extremely wide DALI dimming range (0.1%-100%) and a high PWM frequency (1 kHz) which reduces flickering light.

Very energy efficient - The products in the solution have system standby power amongst the lowest on the market. The high voltage (24 V) power supply also helps to reduce power loss over the LED strips.

Added safety - The DALI input of the LL1xCV-DA extension unit is mains rated and double isolated from the power input and load.



Decorative lighting for:

- Hotels
- Cafés
- Restaurants
- Reception Areas

LED driver extension – LL1-CV-DA



Control	DALI
Max Output Power	120 W
Product category	Accessory
Output Current	Max 5 A
Type	Linear, Indoor

The LL1-CV-DA 12 – 24 V DALI dimmable extension unit is designed to be used with the Helvar constant voltage LED drivers, creating a DALI system.

- DALI control input, 0.1% – 100% dimming range
- 1 kHz PWM dimming frequency
- Standby power consumption < 0.1 W
- Dual terminals for parallel connection

Compatible LED drivers

Model	Max. Output Power (W)	Output Current	Output Voltage (V)	Type	Luminaire Class	Protection
LL1x30-E-CV24	30	Max 1.25 A	24	Linear, Indoor	I, II, III	SELV < 60 V
OL1x30-E-CV24	30	Max 1.25 A	24	Linear, Outdoor	I, II, III	SELV < 60 V
LL1x30-E-CV12	30	Max. 2.500 A	12	Linear, Indoor		SELV < 60 V
LL1x75-E-CV24	75	Max 3.125 A	24	Linear, Indoor	I, II, III	SELV < 60 V
OL1x75-E-CV24	75	Max 3.125 A	24	Linear, Outdoor	I, II, III	SELV < 60 V
LL1x75-E-CV12	75	Max 6.250 A	12	Linear, Indoor		SELV < 60 V
LL1x120-CV24	120	Max. 5.000 A	24	Linear, Indoor		SELV < 60 V

