LL1x120-CV24

1x120W **Constant Voltage** LED driver

- Open & short circuit protection
- Over voltage protection
- 24 V Constant voltage output
- Low voltage ripple, complying with IEEE 1789-2015 recommendation
- Maximum 120 W load
- Suitable for Class I and Class II luminaires, as well as for independent use
- Double insulated enclosure
- Suitable for use with LL1xCV-DA driver extension for DALI dimmable solutions

Product code: 5576

120 W 220-240 VAC 50-60 Hz



Connections



Parallel output connection

Mains Characteristics

Voltage range	198-264 VAC,
Max mains current at full load	0.7 A
Frequency	50 - 60 Hz
Power factor	0.95
Input Power at no load	0.5 W

Load Output (SELV < 60 V)

Output voltage (U-OUT)	24 V
Ripple	< ± 5%* at ⩽ 120 Hz
PstLM	< 0.05*
SVM	< 0.01*
Max output current (I-OUT)	5 A
Max output power	120 W
Efficiency, at full load, typical	0.88

*) At full power

Operating Conditions and Characteristics

Max.temperature at tc point	+90 °C
Ambient temperature range	-20...+45 °C
Storage temperature range	-40...+80 °C
Maximum relative humidity	no condensation
Life time	50 000 h at t_c = 80 °C
	40 000 h at t_c = 85 °C
	30 000 h at at t_c = 90 °C
	(90 % survival rate)

Connections and Mechanical Data

Wire size	0.5 – 1.5 mm^2
Wire type	solid core and fine-stranded
Maximum driver to LED wire length	5 m
Weight	425 g
IP rating	IP20

Conformity

Radio Frequency Interference, acc. to	EN 55015
Immunity standard, acc. to	EN 61547
General and safety requirements	EN 61347-1
Particular safety requirements for d.c. or a.c. supplied electronic controlgear for LED modules, acc. to	EN 61347-2-13
Performance requirements, acc to	EN 62384
Mains current harmonics, acc. to	EN 61000-3-2
Limits for Voltage Fluctuations and Flicker	EN 61000-3-3
Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers	IEEE 1789-2015

CE / UKCA and SELV marked

Note: See page 2 for dimensions