

# CC LINEAR SIMPLE FIX



## COMFORTLINE SIMPLE FIX L-LV 120 V

**186554**

### Typical Applications

Built-in in linear luminaires for

- Office lighting

### ComfortLine Simple Fix L-LV 120 V

- **VERY LOW RIPPLE CURRENT: < 1%**
- **WIDE INPUT VOLTAGE RANGE: 120-240 V**
- **LONG SERVICE LIFE:  
UP TO 100,000 HRS.**
- **PRODUCT GUARANTEE: 5 YEARS**



## ComfortLine Simple Fix L-LV 120 V

### Product features

- Linear casing shape
- Wide input voltage range

### Functions

- Predefined output current

### Electrical features

- Mains voltage: 120–240 V  $\pm 10\%$   
(allowed voltage range: 108–264 V)
- Mains frequency: 50–60 Hz
- Push-in terminals: 0.2–1.5 mm<sup>2</sup>
- Power factor at full load: > 0.95
- Max. working voltage (U<sub>OUT</sub>): 250 V
- Secondary side switching of LED modules is not allowed.

### Safety features

- Protection against transient main peaks up to 1 kV (between L and N) and up to 2 kV (between L/N and PE)
- Electronic short-circuit protection
- Overload protection
- Overtemperature protection
- Protection against "no load" operation
- Degree of protection: IP20
- Protection class I

### Packaging units

Ref. No.	Packaging unit		
	Pieces per box	Boxes per pallet	Weight g
186554	10	210	152



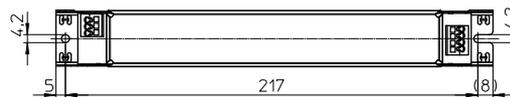
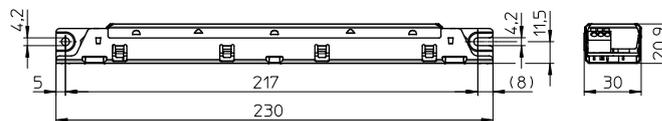
### Applied standards

- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 61000-3-2
- EN 62384
- EN 62386
- EN 55015



### Dimensions

- Casing: M6.1
- Length: 230 mm
- Width: 30 mm
- Height: 20.9 mm



### Product guarantee

- 5 years
- The conditions for the Product Guarantee of the Vossloh-Schwabe Group shall apply as published on our homepage ([www.vossloh-schwabe.com](http://www.vossloh-schwabe.com)). We will be happy to send you these conditions upon request.

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.

## Electrical characteristics

Max. output W	Type	Ref. No.	Voltage 50–60 Hz V	Mains current mA	Inrush current A / $\mu$ s	Current output DC mA ( $\pm$ 5%)	Voltage output DC (V)	THD at full load % (230 V)	Efficiency at full load % (230 V)	Ripple 100 Hz %
28.5	ECXe 500.210	<b>186554</b>	120–240	280–140	14.8 / 174	500	19–57	19.5	> 83	< 1

## Maximum ratings

Exceeding the maximum ratings can lead to reduction of service life or destruction of the drivers.

Ref. No.	Ambient temperature range		Operation humidity range		Storage temperature range		Storage humidity range		Max. operation temperature at $t_c$ point °C	Degree of protection
	°C min.	°C max.	% min.	% max.	°C min.	°C max.	% min.	% max.		
186554	-25	+50	20	60	-40	+85	5	95	+70	IP20

## Expected service life time

at operation temperatures at  $t_c$  point

Operation current	Ref. No.	
	186554	
All	60 °C	70 °C
hrs.	100,000	50,000

## Output voltage (U<sub>OUT</sub>)

According to EN 61347-1, U<sub>OUT</sub> indicates which voltage can occur at the output terminals directly or between the output terminals and the PE terminal of the LED driver. This value is given for non-insulated drivers.

The used LED module must have an insulation voltage that is at least as high as the specified U<sub>OUT</sub> voltage of the driver.

## Leakage current

Leakage currents are present in all electronic converters or luminaires with PE connection and must be observed especially when using non-insulated LED drivers. The PCB surfaces of LED modules form a capacitance with grounded LED aluminum circuit boards, heat sinks or mounting plates. This leads to capacitive leakage currents between the connection poles of the LED (+ and -) and the PE terminal. These capacitances should be kept as small as possible, since they are responsible for a possible glowing or flickering of the LEDs in standby mode. In extreme cases, the maximum permissible leakage current of the luminaire according to EN 60598 paragraph 10.3 may be exceeded. The leakage current is also relevant when using RCD circuit breakers.

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