

# CC LINEAR SIMPLE FIX



## COMFORTLINE SIMPLE FIX L-LV2CH

**186354, 186406, 186656**

### Typical Applications

Built-in in linear luminaires for

- Office lighting

### ComfortLine Simple Fix L-LV2CH

- **VERY LOW RIPPLE CURRENT: < 1%**
- **SUITABLE FOR EMERGENCY ESCAPE LIGHTING SYSTEMS ACC. TO EN 50172**
- **SELV**
- **LONG SERVICE LIFE:  
UP TO 100,000 HRS.**
- **PRODUCT GUARANTEE: 5 YEARS**



## ComfortLine Simple Fix L-LV2CH

### Product features

- Linear casing shape
- 2-channel drivers

### Electrical features

- Mains voltage: 220–240 V  $\pm 10\%$
- Mains frequency: 50–60 Hz
- DC operation: 198–264 V, 0 Hz  
(186406, 186656: can be reduced to 176 V with reduced service life time)
- Push-in terminals: 0.2–1.5 mm<sup>2</sup>
- Power factor at full load: > 0.9
- Open circuit voltage ( $U_{max.}$ ): 60 V (186406, 186656) or 120 V (186354)
- Secondary side switching of LED modules is not allowed.

### Safety features

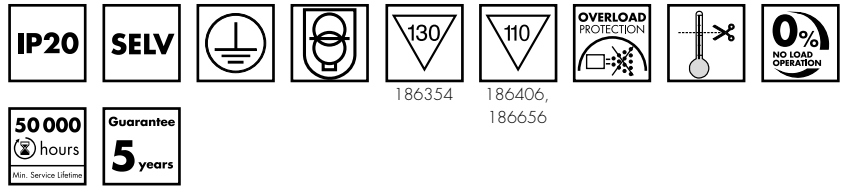
- Protection against transient main peaks up to 1 kV (between L and N) and up to 2 kV (between L/N and PE)
- Electronic short-circuit protection
- Overload protection
- Overtemperature protection
- Protection against "no load" operation
- Degree of protection: IP20
- Protection class I
- SELV

### Packaging units

Ref. No.	Packaging unit		
	Pieces per box	Boxes per pallet	Weight g
186354	16	48	400
186406	10	150	270
186656	10	150	306

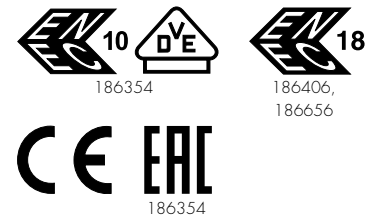
### Product guarantee

- 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.



### Applied standards

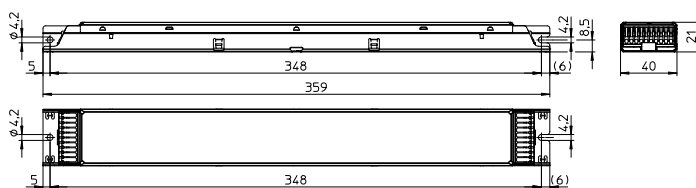
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 61000-3-2
- EN 62384
- EN 55015



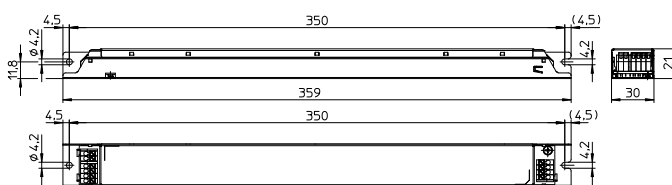
### Dimensions

Ref. No.	Casing	Length mm	Width mm	Height mm
186354	M12	359	40	21
186406	M10.1	359	30	21
186656	M10.1	359	30	21

#### M12



#### M10.1



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

# LED Drivers – ComfortLine Simple Fix L-LV2CH

## Electrical characteristics

Max. output W	Type	Ref. No.	Voltage 0 Hz 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 %
2x14	ECXe 2250.246	<b>186656</b>	198–264	160–120	2 / 61	2x250	15–57	19	> 85	< 1
			220–240	170–155						
2x20	ECXe 2350.123	<b>186406</b>	198–264	500–340	5.8 / 22	2x350	17–57	9	> 85	< 1
			220–240	400–370						
2x70	ECXe 2700.087	<b>186354</b>	198–264	834–625	55 / 230	2x700	42–100	8	> 90	< 1
			220–240	750–688						

## 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.		
186406, 186656	-20	+50	5	60	-40	+85	5	95	+75	IP20
186354									+85	

## Expected service life time

at operation temperatures at  $t_c$  point

Operation current	Ref. No.			
	186406, 186656	186354		
All	65 °C	75 °C	75 °C	85 °C
hrs.	100,000	50,000	100,000	50,000

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