

CC LINEAR
SIMPLE FIX
DIMMABLE



COMFORTLINE SIMPLE FIX L-LV2CH 1-10 V

186355, 186407

Typical Applications

Built-in in linear luminaires for

- Office lighting

1-10V

ComfortLine Simple Fix L-LV2CH 1-10 V

- **DIMMABLE: 1-10 V**
- **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 1–10 V

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 (186407: can be reduced to 176 V with reduced service life time)
- Push-in terminals: 0.2–1.5 mm²
- Power factor at full load: > 0.95
- Open circuit voltage ($U_{max.}$): 120 V (186355) or 60 V (186407)
- Secondary side switching of LED modules is not allowed.
- Standby losses: < 0.5 W

Dimming

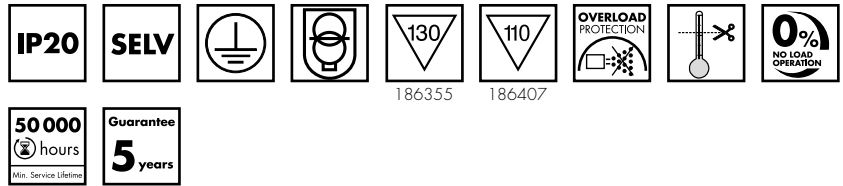
- Dimming range: 3 to 100% (186355) or 10 to 100% (186407)
- If no dimming interface is connected, brightness will stay at 100%.

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

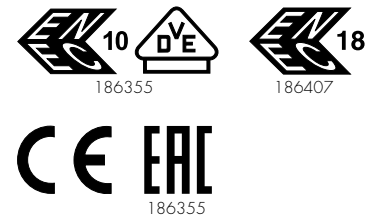
Packaging units

Ref. No.	Packaging unit		
	Pieces per box	Boxes per pallet	Weight g
186355	16	48	400
186407	10	150	270



Applied standards

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

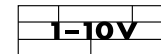


Dimensions

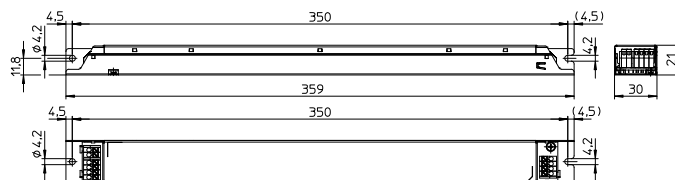
Ref. No.	Casing	Length mm	Width mm	Height mm
186355	M12	359	40	21
186407	M10.1	359	30	21

Dimming

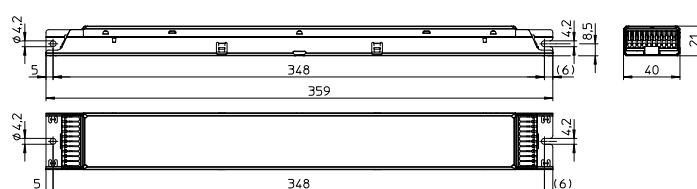
PWM (186355) or analogue (186407)



M10.1



M12



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). 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 0 Hz 50–60 Hz V	Mains current mA	Inrush current A / μ 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 %
2x20	ECXd 2350.124	186407	198–264	500–340	25.7 / 90	2x350	15–57	9.3	> 85	< 1
			220–240	400–370						
2x70	ECXd 2700.088	186355	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.		
186407, 186355	-20	+50	5	60	-40	+85	5	95	+85	IP20

Expected service life time

at operation temperatures at t_c point

Operation current	Ref. No.	
		186407, 186355
All	75 °C	85 °C
hrs.	100,000	50,000

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