

CC LINEAR SIMPLE FIX



EasyLine SIMPLE FIX L-R7 120 V

186504

Typical Applications

Built-in in linear luminaires for

- Office lighting



EasyLine Simple Fix L-R7 120 V

- **WIDE INPUT VOLTAGE RANGE: 120-240 V**
- **LONG SERVICE LIFE:
UP TO 50,000 HRS.**
- **PRODUCT GUARANTEE: 5 YEARS**



EasyLine Simple Fix L-R7 120 V

Product features

- Linear casing shape

Functions

- Fixed output current

Electrical features

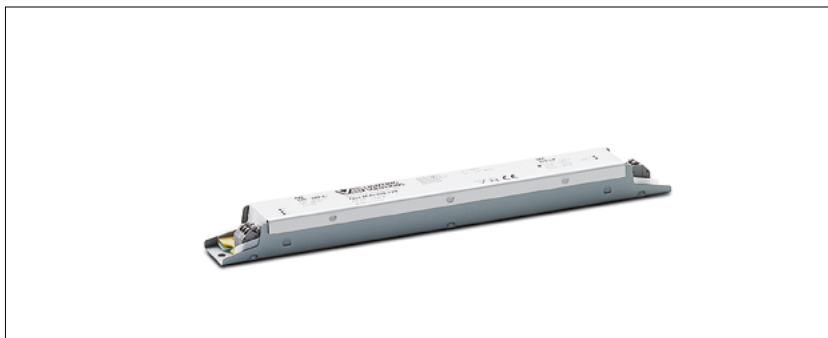
- Mains voltage: 120–240 V $\pm 10\%$
- Mains frequency: 50–60 Hz
- Push-in terminals: 0.2–1.5 mm²
- Power factor at full load: > 0.9
- Max. working voltage (U_{OUT}): 250 V
- Secondary side switching of LED modules is not allowed.

Safety features

- Electronic short-circuit protection
- Overload 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
186504	20	120	158



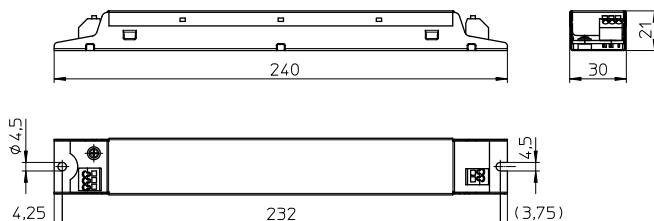
Applied standards

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



Dimensions

- Casing: M5.3
- Length: 240 mm
- Width: 30 mm
- Height: 21 mm



Product guarantee

- 5 years for operation at recommended operation temperature (see table for expected service life time on the next page)
- 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.

LED Drivers – EasyLine Simple Fix L-R7 120 V

Electrical characteristics

Max. output W	Type	Ref. No.	Voltage 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 %
35	ECXe 500.185	186504	120–240	330–165	47 / 280	500	30–70	10	> 90	< 7

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.		
186504	–15	+50	5	60	–40	+80	5	95	+70	IP20

Expected service life time

at operation temperatures at t_c point

Operation current	Ref. No.	
	186504	
All	65 °C*	75 °C
hrs.	50,000	30,000

* recommended operation temperature

PRI Un = 120...240 V~ In = 330...165 mA fN = 50/60 Hz λ = 0,9C	 LIGHTING SOLUTIONS Vossloh-Schwabe Deutschland GmbH Stuttgarter Straße 61/1, 73614 Schorndorf Electronic Converter for LED Type ECXe500.185 Ref.-No. 186504 Made in China	EN 61347-1 EN 61347-2-13 EN 61000-3-2 EN 62384 EN 55015 EN 61547	$t_a = -15...50^{\circ}\text{C}$ $t_c = 70^{\circ}\text{C}$	SEC I rated = 500 mA SEC – $U = 30...70\text{ V}$ SEC + $U_{out} = 250\text{ V}$ $P_{rated} = 35\text{ W}$
 PE  L  N		 V110   		

Output voltage (U_{out})

According to EN 61347-1, U_{OUT} 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_{OUT} 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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