CC COMPACT SIMPLE FIX

EasyLine Simple Fix C

187621, 187622, 187623, 187624, 187625, 187626

Typical Applications

Built-in in compact luminaires for

- Retail lighting
- Downlights
- Panel lighting
- Residential lighting

EasyLine Simple Fix C

- **WITH INTEGRATED CORD GRIP FOR INDEPENDENT OPERATION**
- **SELV**
- **LONG SERVICE LIFE: UP TO 50,000 HRS.**
- **PRODUCT GUARANTEE: 5 YEARS**

5 YEARS GUARANTEE

LIGHTING SOLUTIONS

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EasyLine Simple Fix C

Product features
- Compact casing shape

Electrical features
- Mains voltage: 220–240 V ±10%
- Mains frequency: 50–60 Hz
- Push-in terminals primary: 0.75–1.5 mm², secondary: 0.3–1.5 mm²
- Power factor at full load: > 0.9
- Open circuit voltage ($U_{max.}$): 60 V
- Secondary side switching of LED modules is not allowed.

Safety features
- Protection against transient main peaks (between L and N) up to 1 kV
- Electronic short-circuit protection
- Overload protection
- Protection against "no load" operation
- Degree of protection: IP20
- Protection class II
- SELV
- SVM: < 0.4
- PstLM: < 1

Packaging units

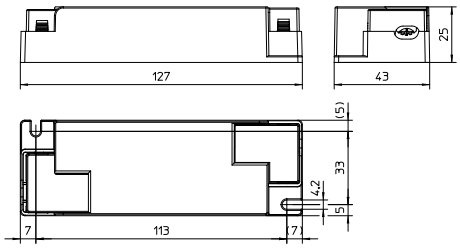
Ref. No.	Packaging unit		
	Pieces per box	Boxes per pallet	Weight g
All types	50	56	150

The LED driver and the cord grips are supplied separately in the same box.

Dimensions

Ref. No.	Casing	Length mm	Width mm	Height mm
All types	K97	127	43	25

K97



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

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.

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CC-EasyLine-Simple-Fix-C_187621_187622_187623_187624_187625_187626_EN – 2/8 – 06/2025

Electrical characteristics

Max. output W	Type	**Ref. No.**	Voltage 50–60 Hz V	Mains current mA	Inrush current A / µs	Current output DC mA (± 7.5%)	Voltage output DC (V)	THD at full load % (230 V)	Efficiency at full load % (230 V)	Ripple 100 Hz %
20	ECXe 500.752	**187621**	220–240	130	18.7 / 218	500	30–40	15	87	<5
24	ECXe 600.753	**187622**	220–240	150	18.7 / 218	600	30–40	15	87	<5
28	ECXe 700.754	**187623**	220–240	175	18.7 / 218	700	30–40	15	88	<5
32	ECXe 800.755	**187624**	220–240	190	18.7 / 218	800	30–40	15	88	<5
36	ECXe 900.756	**187625**	220–240	210	18.7 / 218	900	30–40	15	88	<5
42	ECXe 1050.757	**187626**	220–240	240	20.9 / 286	1050	30–40	10	89	<5

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	Degree of protection
	°C min.	°C max.	% min.	% max.	°C min.	°C max.	% min.	% max.	°C	
187621, 187622, 187623	–20	+40	10	90	–40	+85	5	95	+80	IP20
187624, 187625, 187626									+85	

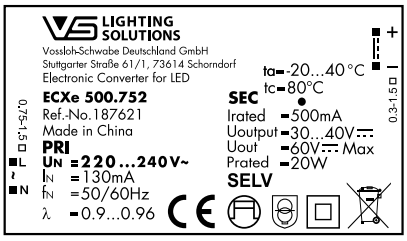
Expected service life time

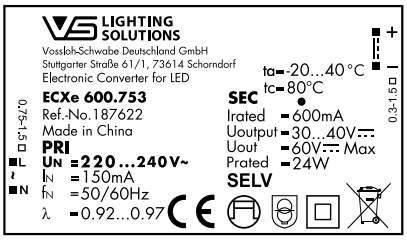
at operation temperatures at t_c point

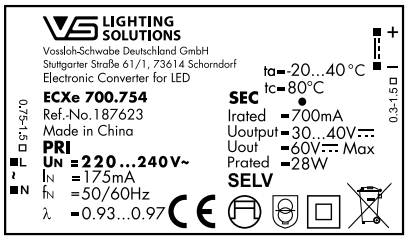
Operation current	Ref. No. **187621, 187622, 187623**		**187624, 187625, 187626**	
All	70 °C	80 °C	75 °C	85 °C
hrs.	50.000	30.000	50.000	30.000

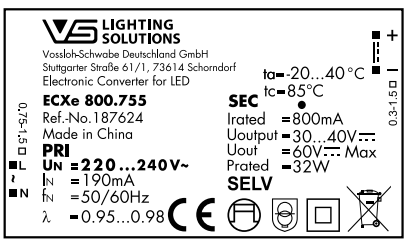
* recommended operation temperature

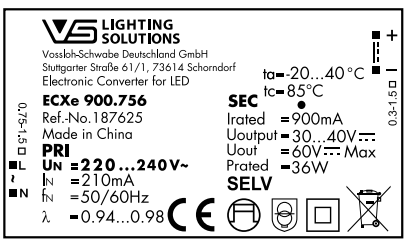
Product labels

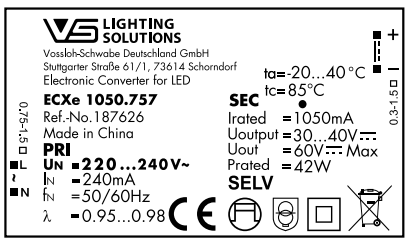












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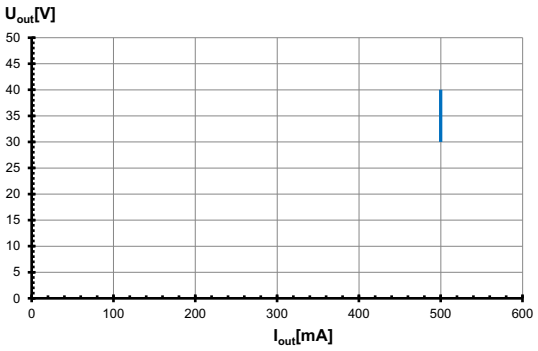
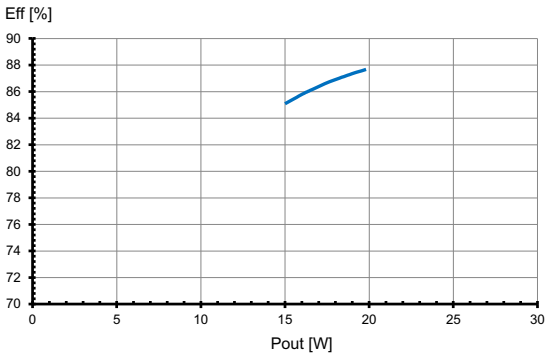
Typ. performance graphs for 187621/ Type ECXe 500.752

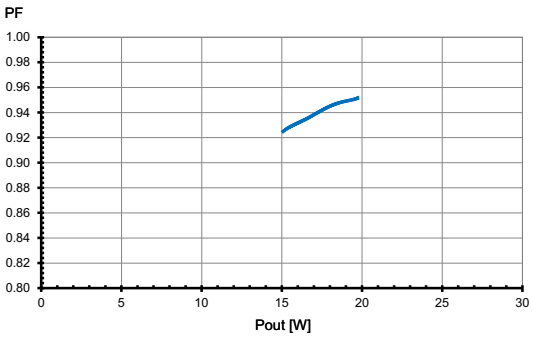
Working area



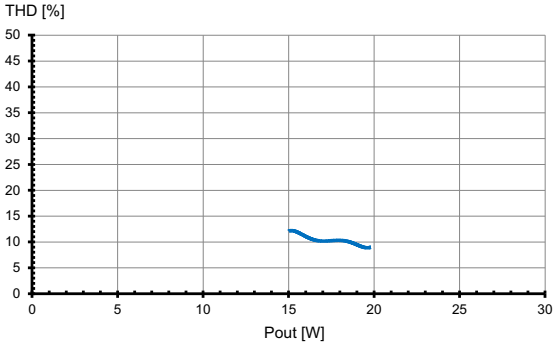
Efficiency



Power factor

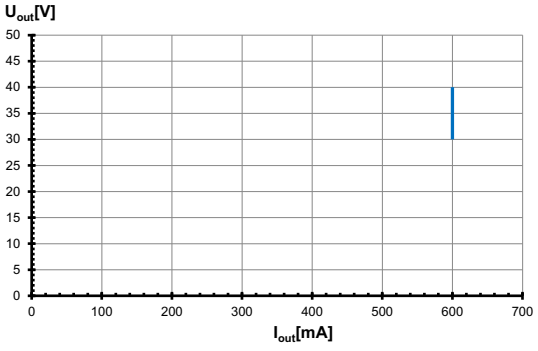


Total harmonic factor (THD)

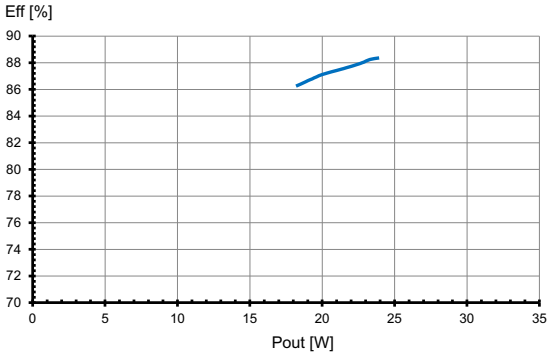


Typ. performance graphs for 187622/ Type ECXe 600.753

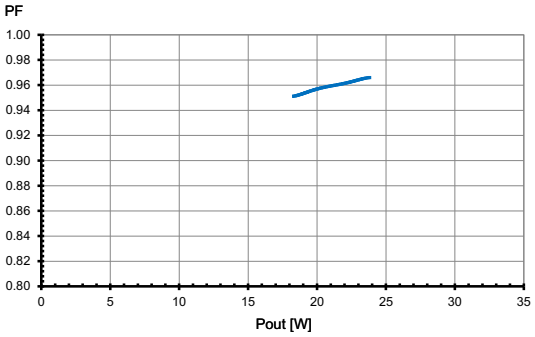
Working area



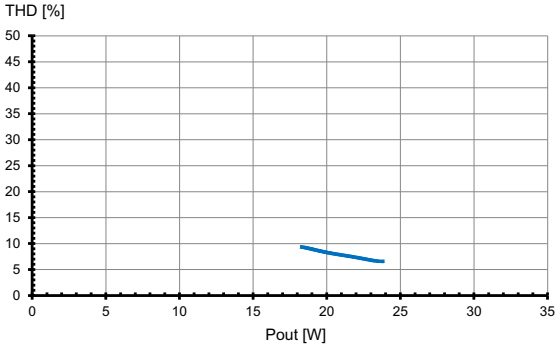
Efficiency



Power factor



Total harmonic factor (THD)



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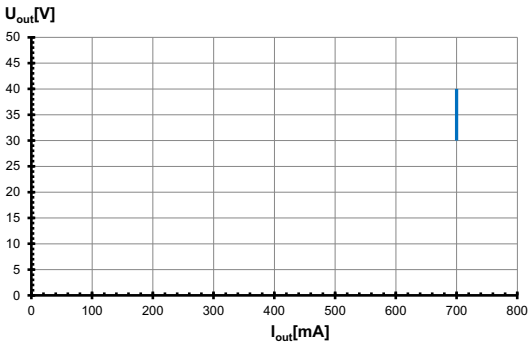
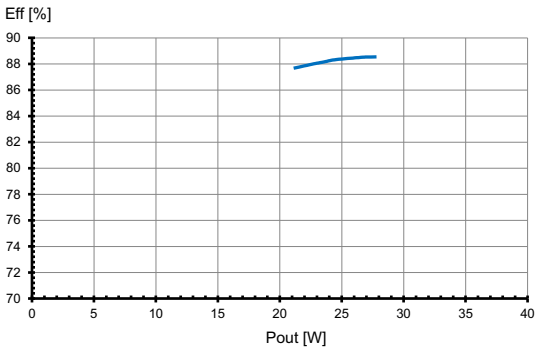
Typ. performance graphs for 187623/ Type ECXe 700.754

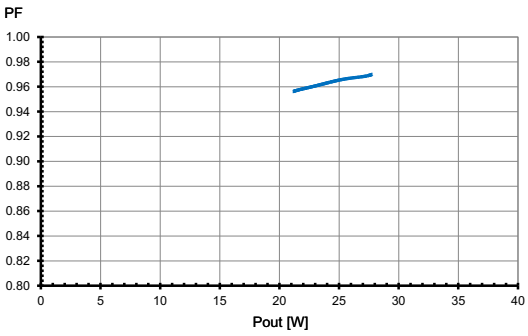
Working area



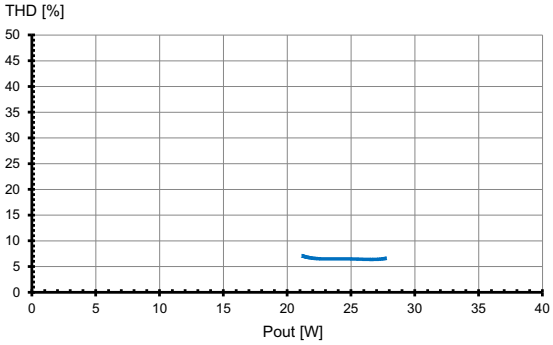
Efficiency



Power factor

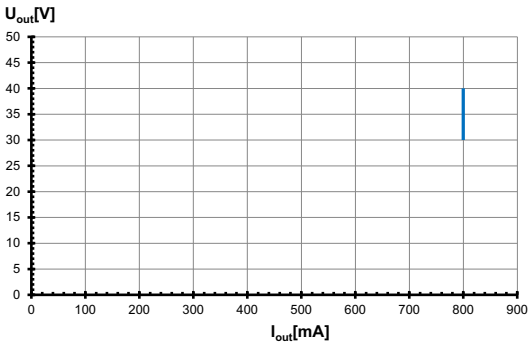


Total harmonic factor (THD)

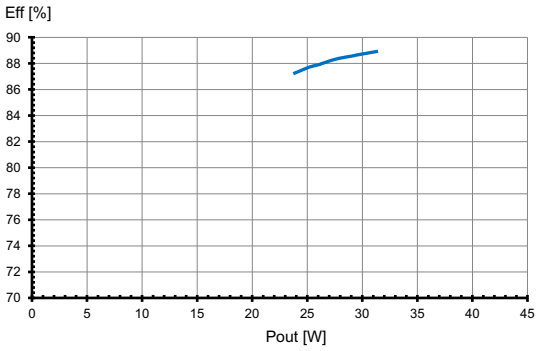


Typ. performance graphs for 187624/ Type ECXe 800.755

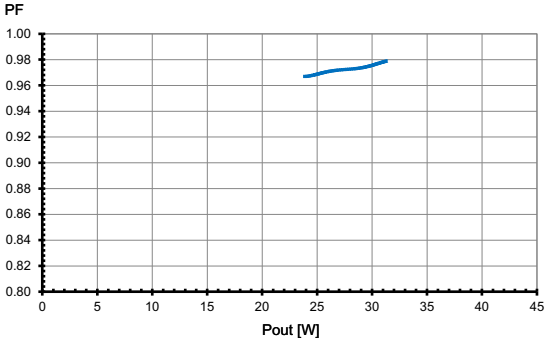
Working area



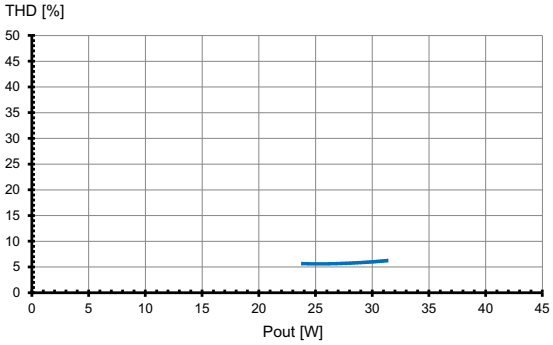
Efficiency



Power factor



Total harmonic factor (THD)



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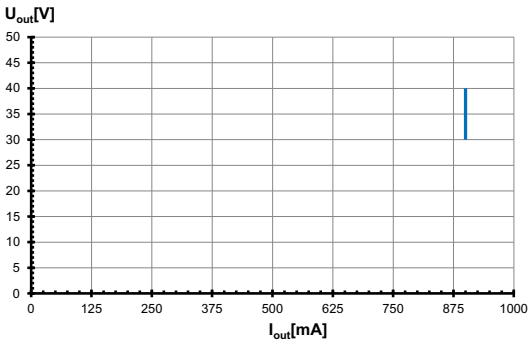
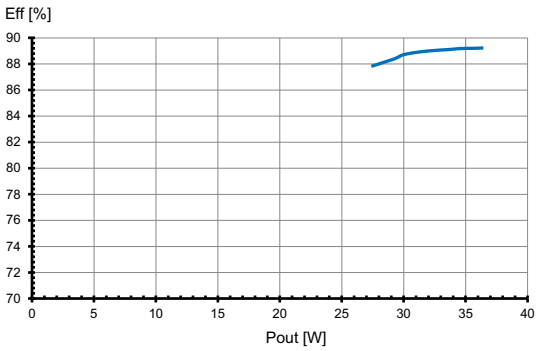
Typ. performance graphs for 187625/ Type ECXe 900.756

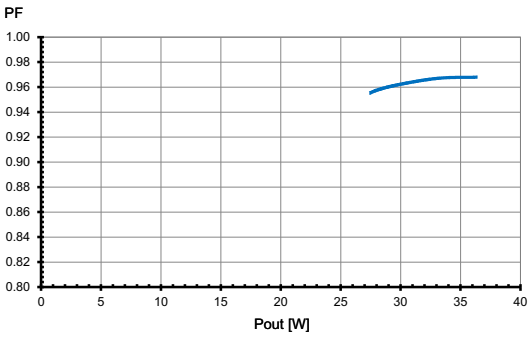
Working area



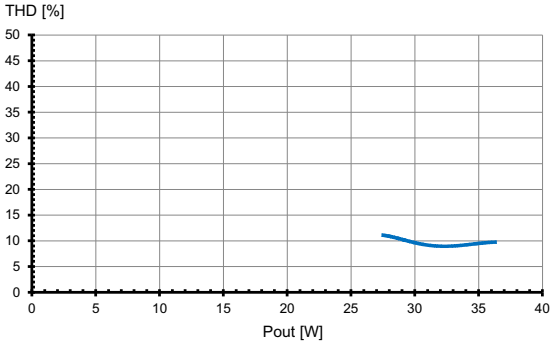
Efficiency



Power factor

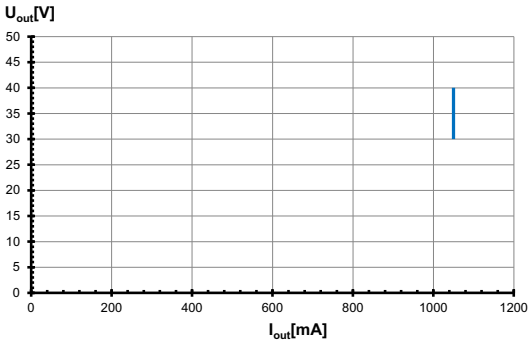


Total harmonic factor (THD)

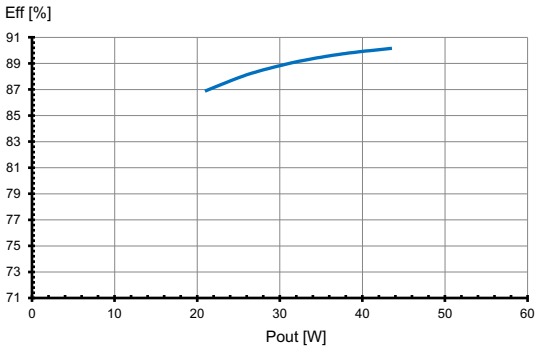


Typ. performance graphs for 187626/ Type ECXe 1050.757

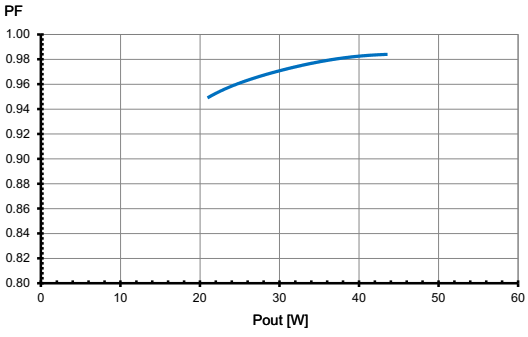
Working area



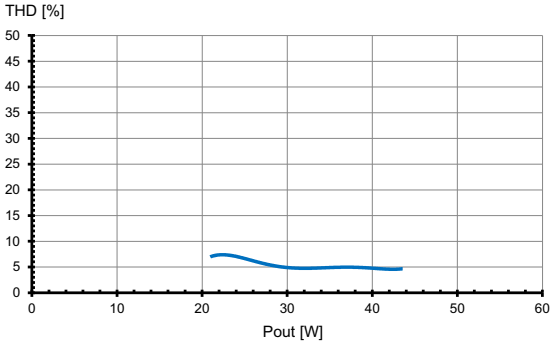
Efficiency



Power factor



Total harmonic factor (THD)



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Safety functions

- Transient mains peaks protection:
  Values are in compliance with EN 61547 (interference immunity).
  Surges between L–N: up to 1 kV
- Short-circuit protection: Control gears are protected against short-term short-circuit
- Overload protection: Control gears only work in range of rated output power and voltage problemfree (< 60 V DC).
  Please check before switch-on mains power supply that the selected LED load is suitable (see Electrical Characteristics on data sheet).
- No load operation: Control gears are protected against no load operation (open load).
- If any of the above mentioned safety functions will be triggered, disconnect the control gear from the power supply then find and eliminate the cause of the problem.

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Assembly and Safety Information

Installation must be carried out under observation of the relevant regulations and standards. Installation must be carried out in a voltage-free state (i.e. disconnection from the mains). The following advices must be observed; non-observance can result in the destruction of the LED drivers, fire and/or other hazards.

Mandatory regulations

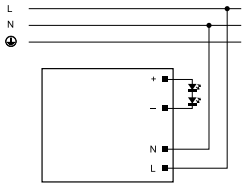
- DIN VDE 0100
- EN 60598-1

Mechanical mounting

- Mounting position: Independent application: Drivers are allowed to use for independent applications
- Mounting location: Independent LED drivers do not need to be integrated into a casing.
  Installation in outdoor luminaires: degree of protection for luminaire with water protection rate ≥ 4 (e.g. IP54 required).
- Degree of protection: IP20
- Clearance: Min. 0.10 m from walls. ceilings and insulation
- Surface: Solid and plane surface for optimum heat dissipation required.
- Heat transfer: If the driver is destined for installation in a luminaire. sufficient heat transfer must be ensured between the driver and the luminaire casing.
  LED drivers should be mounted with the greatest possible clearance to heat sources.
  During operation. the temperature measure at the driver's t_c point must not exceed the specified maximum value.
- Fastening: Using M4 screws in the designated holes
- Tightening torque: 0.2 Nm

Electrical installation

- Connection terminals: Push-in terminals for rigid or flexible conductors with a section of primary: 0.75–1.5 mm², secondary: 0.3–1.0 mm²
- Stripped length: 8.5–10 mm
- Wiring: The mains conductor within the luminaire must be kept short (to reduce the induction of interference).
  Mains and lamp conductors must be kept separate and if possible should not be laid in parallel to one another.
  Max. secondary side lead length: 3 m
- Polarity: Please ensure the correct polarity of the leads prior to commissioning. Reversed polarity can destroy the modules.
- Through-wiring: Is not allowed.
- Secondary load: The sum of forward voltages of LED loads is within the tolerances which are mentioned in the Electrical Characteristics on the data sheet.
- Parallel wiring: Parallel connection of LED loads is not allowed.
- Wiring diagram:



Selection of automatic cut-outs for VS LED drivers

- Dimensioning automatic cut-outs
  High transient currents occur when an LED driver is switched on because the capacitors have to load. Ignition of LED modules occurs almost simultaneously. This also causes a simultaneous high demand for power. These high currents when the system is switched on put a strain on the automatic conductor cut-outs. which must be selected and dimensioned to suit.
- Release reaction
  The release reaction of the automatic conductor cut-outs comply with VDE 0641. part 11. for B. C characteristics. The values shown in the following tables are for guidance purposes only and are subject to system-dependent change.
- No. of LED drivers
  The maximum number of VS LED drivers applies to cases where the devices are switched on simultaneously. Specifications apply to single-pole fuses. The number of permissible drivers must be reduced by 20% for multi-pole fuses. The considered circuit impedance equals 400 mΩ (approx. 20 m [2.5 mm²] of conductor from the power supply to the distributor and a further 15 m to the luminaire).

Type	**Ref. No.**	Automatic cut-out type and possible no. of VS drivers pcs.					
Automatic cut-out type		B 10 A	B 13 A	B 16 A	C 10 A	C 13 A	C 16 A
ECXe 500.752	**187621**	19	25	31	33	43	53
ECXe 600.753	**187622**	19	25	31	33	43	53
ECXe 700.754	**187623**	19	25	31	33	43	53
ECXe 800.755	**187624**	19	25	31	33	43	53
ECXe 900.756	**187625**	19	25	31	33	43	53
ECXe 1050.757	**187626**	13	17	21	22	29	35

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