

## OPTOTRONIC FIT

Linear / Area Constant Current – Non dimmable



### Areas of application

- Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Suitable for central battery systems according to EN 50172
- Suitable for use in luminaires with flexible current setting (Tri-Tap)
- Suitable for use in emergency lighting systems (DC capable)
- Suitable for indoor SELV equivalent installations
- Suitable for luminaires of protection class I

### Product benefits

- Versatile scope of application due to output power range of up to 80 W
- Safety requirement due to overload, overtemperature, Hot Plug protection
- High efficiency and reliability

### Product features

- Supply voltage: 220...240 V
- Line frequency: 0 Hz, 50 Hz...60 Hz
- Line voltage: 198...264 V
- Safety according to EN 61347-1, 61347-2-3, 61347-2-13, 62384
- Module operation according to EN 60929
- RI suppression according to EN 55015:2007+A1:2007/CDN
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 100,000 h (temperature at  $T_c = 65\text{ }^\circ\text{C}$ , max. 10 % failure rate)

## Technical data

### Electrical data

Product description	Output power	Input voltage	DC voltage	Mains frequency
OT FIT 35/220...240/700 CS L	35 W	198...264 V <sup>1)</sup>	176...276 V	50...60 Hz
OT FIT 50/220...240/1A0 CS L	55 W	198...264 V <sup>1)</sup>	176...276 V	50...60 Hz
OT FIT 80/220...240/1A6 CS L	80 W	198...264 V <sup>1)</sup>	176...276 V	50...60 Hz

Product description	Output voltage	Output current	ECG efficiency	Nominal voltage
OT FIT 35/220...240/700 CS L	27...54 V <sup>2)</sup>	700 / 600 / 500 mA <sup>3)</sup>	≥83 % <sup>4)</sup>	220...240 V
OT FIT 50/220...240/1A0 CS L	27...54 V <sup>2)</sup>	1050 / 925 / 800 mA <sup>3)</sup>	≥86 % <sup>4)</sup>	220...240 V
OT FIT 80/220...240/1A6 CS L	27...54 V <sup>2)</sup>	1550 / 1400 / 1200 mA <sup>3)</sup>	≥86 % <sup>4)</sup>	220...240 V

Product description	Nominal current	Device power loss
OT FIT 35/220...240/700 CS L	0.19 A	5.8 W <sup>5)</sup>
OT FIT 50/220...240/1A0 CS L	0.28 A	8.9 W <sup>5)</sup>
OT FIT 80/220...240/1A6 CS L	0.42 A	13.5 W <sup>5)</sup>

<sup>1)</sup> Permitted voltage range

<sup>2)</sup> Maximum 60 V

<sup>3)</sup> ±10 %

<sup>4)</sup> At full load and 230 V

<sup>5)</sup> Maximum

### Dimensions & weight

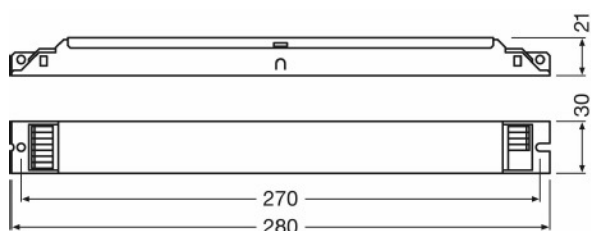
Product description	Length	Width	Height	Product weight
OT FIT 35/220...240/700 CS L	280.0 mm	30.0 mm	21.0 mm	160.00 g
OT FIT 50/220...240/1A0 CS L	280.0 mm	30.0 mm	21.0 mm	160.00 g
OT FIT 80/220...240/1A6 CS L	360.0 mm	30.0 mm	21.0 mm	183.00 g

## Product family datasheet

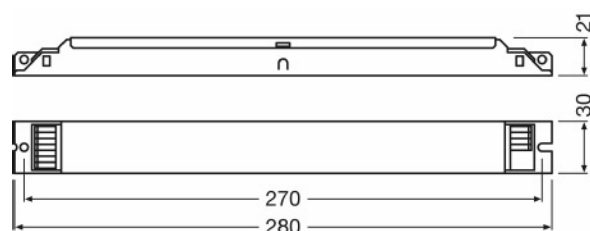
Product description	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
OT FIT 35/220...240/700 CS L	0.5...1.5 mm <sup>2 1)</sup>	0.5...1.5 mm <sup>2 1)</sup>	8.5...9.5 mm
OT FIT 50/220...240/1A0 CS L	0.5...1.5 mm <sup>2 1)</sup>	0.5...1.5 mm <sup>2 1)</sup>	8.5...9.5 mm
OT FIT 80/220...240/1A6 CS L	0.5...1.5 mm <sup>2 1)</sup>	0.5...1.5 mm <sup>2 1)</sup>	8.5...9.5 mm

<sup>1)</sup> Solid or flexible leads

### Produkt Strichzeichnungen (vermasst)



Product line drawing  
OT FIT 35/220...240/700 CS L



Product line drawing  
OT FIT 50/220...240/1A0 CS L

### Colors & materials

Product description	Casing material
OT FIT 35/220...240/700 CS L	Metal
OT FIT 50/220...240/1A0 CS L	Metal
OT FIT 80/220...240/1A6 CS L	Metal

## Product family datasheet

### Temperatures

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault
OT FIT 35/220...240/700 CS L	-25...+50 °C	75 °C	110 °C
OT FIT 50/220...240/1A0 CS L	-25...+50 °C	75 °C	110 °C
OT FIT 80/220...240/1A6 CS L	-25...+50 °C	75 °C	110 °C

### Lifespan

Product description	ECG lifetime
OT FIT 35/220...240/700 CS L	50000 h <sup>1)</sup>
OT FIT 50/220...240/1A0 CS L	50000 h <sup>1)</sup>
OT FIT 80/220...240/1A6 CS L	50000 h <sup>1)</sup>

<sup>1)</sup> At maximum T<sub>c</sub> / 10 % failure rate

### Additional product data

Product description	Encapsulated	New article
OT FIT 35/220...240/700 CS L	No	NEW
OT FIT 50/220...240/1A0 CS L	No	NEW
OT FIT 80/220...240/1A6 CS L	No	NEW

### Capabilities

Product description	Dimmable	Suitable for fixtures with prot. class	NTC input	Overheating protection
OT FIT 35/220...240/700 CS L	No	I	No	Automatic reversible
OT FIT 50/220...240/1A0 CS L	No	I	No	Automatic reversible
OT FIT 80/220...240/1A6 CS L	No	I	No	Automatic reversible

## Product family datasheet

Product description	Overload protection	Short-circuit protection	No-load proof	Maximum wiring length ECG/lamp
OT FIT 35/220...240/700 CS L	Automatic reversible	Automatic reversible	Yes	2.0 m
OT FIT 50/220...240/1A0 CS L	Automatic reversible	Automatic reversible	Yes	2.0 m
OT FIT 80/220...240/1A6 CS L	Automatic reversible	Automatic reversible	Yes	2.0 m

## Certificates & standards

Product description	Type of protection	Standards	Approval marks – approval
OT FIT 35/220...240/700 CS L	IP20	acc. to EN 61347-1/acc. to EN 61347-2-13/acc. to EN 55015/acc. to EN 61547/acc. to EN 61000-3-2/acc. to EN 62384	ENEC 10 / VDE / EMC / EL / CE
OT FIT 50/220...240/1A0 CS L	IP20	acc. to EN 61347-1/acc. to EN 61347-2-13/acc. to EN 55015/acc. to EN 61547/acc. to EN 61000-3-2/acc. to EN 62384	ENEC 10 / VDE / EMC / EL / CE
OT FIT 80/220...240/1A6 CS L	IP20	acc. to EN 61347-1/acc. to EN 61347-2-13/acc. to EN 55015/acc. to EN 61547/acc. to EN 61000-3-2/acc. to EN 62384	ENEC 10 / VDE / EMC / EL / CE

## Application advice

For more detailed application information and graphics please see product datasheet.

## Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4052899032828	OT FIT 35/220...240/700 CS L	Shipping carton box 20	- x - x -		
4052899032804	OT FIT 50/220...240/1A0	Shipping carton box	- x - x -		

## Product family datasheet

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	CS L	20	
4052899032781	OT FIT 80/220...240/1A6 CS L	Shipping carton box 20	- x - x -

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The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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### Disclaimer

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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.