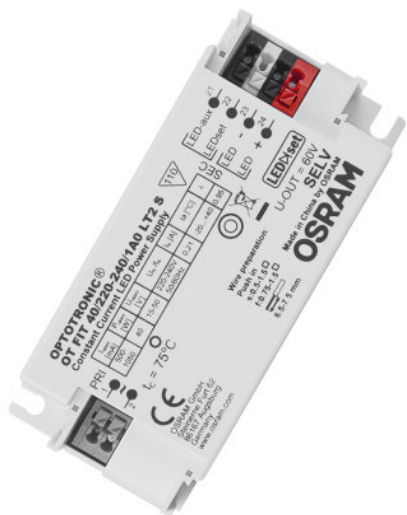


## OPTOTRONIC FIT LT2 S

Compact constant current LED driver – Non dimmable



### Areas of application

- Luminaires with flexible current setting (LEDset2)
- Suitable for indoor SELV installations
- Suitable for luminaires of protection classes I and II
- Suitable for downlights, spotlights and LED panels
- Independent mounting via Cable Clamp Kit possible

### Product family benefits

- Versatile scope of application due to output power range of up to 40 W
- Fulfill safety requirement due to overload, overtemperature protection
- High efficiency
- High quality of light thanks to <1% output ripple current
- Small housing for flexible luminaire designs



## Product family datasheet

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### Product family features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression: to EN 55015
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 100,000 h (temperature at  $T_c = 65\text{ °C}$ , max. 10 % failure rate)
- Cable clamp kit for independent mounting

## Product family datasheet

### Technical data

#### Electrical data

Product description	Efficiency in full-load	Maximum output power
OT FIT 15/220...240/500 LT2 S	83 % <sup>1)</sup>	17.5 W
OT FIT 25/220...240/700 LT2 S	86 % <sup>1)</sup>	26.5 W
OT FIT 40/220...240/1A0 LT2 S	86 % <sup>1)</sup>	40 W

<sup>1)</sup> at 230 V, 50 Hz

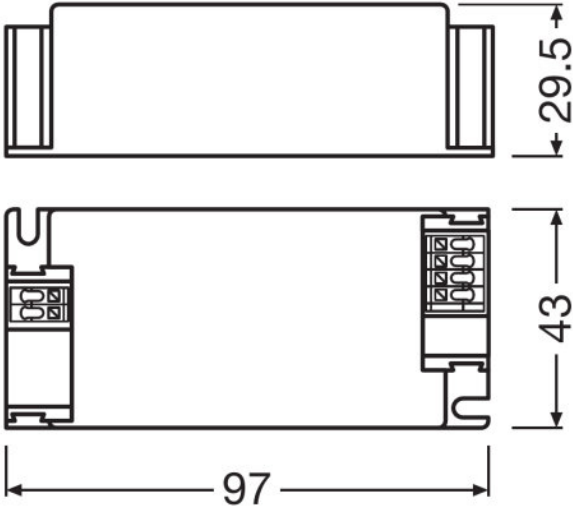
#### Dimensions & weight

Product description	Mounting hole spacing, length	Mounting hole spacing, width	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT FIT 15/220...240/500 LT2 S	88.0 mm	34.0 mm	86.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 25/220...240/700 LT2 S	88.0 mm	34.0 mm	95.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 40/220...240/1A0 LT2 S	88.0 mm	34.0 mm	105.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>

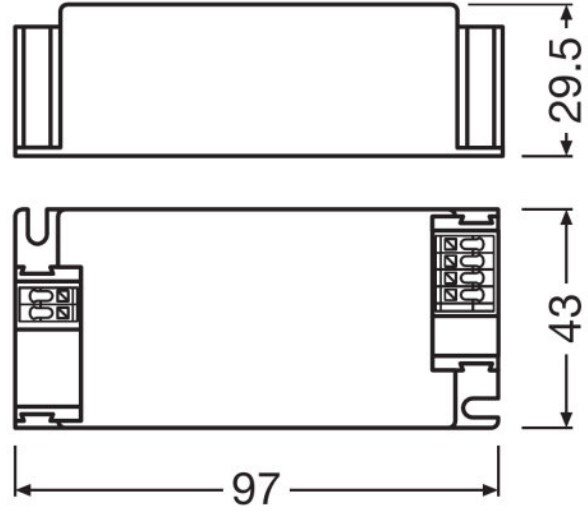
Product description	Wire preparation length, input side	Wire preparation length, output side	Length	Width	Height
OT FIT 15/220...240/500 LT2 S	6.5...7.5 mm	6.5...7.5 mm	97.0 mm	43.0 mm	29.5 mm
OT FIT 25/220...240/700 LT2 S	6.5...7.5 mm	6.5...7.5 mm	97.0 mm	43.0 mm	29.5 mm
OT FIT 40/220...240/1A0 LT2 S	6.5...7.5 mm	6.5...7.5 mm	97.0 mm	43.0 mm	29.5 mm

Product family datasheet

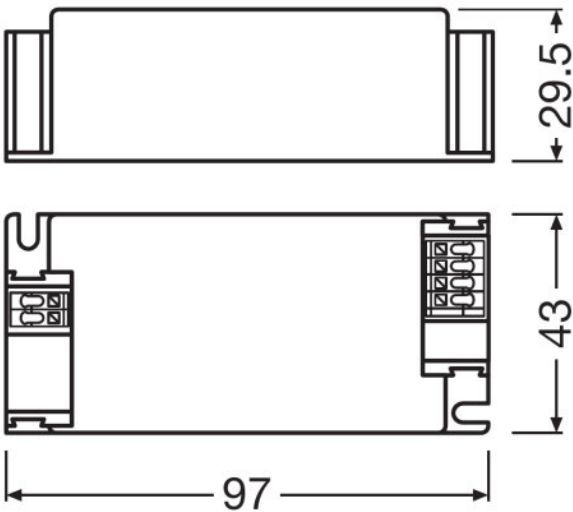
Product line drawing



OT FIT 15/220...240/500 LT2 S



OT FIT 25/220...240/700 LT2 S



OT FIT 40/220...240/1A0 LT2 S

## Product family datasheet

### Colors & materials

Product description	Casing material
OT FIT 15/220...240/500 LT2 S	Plastic
OT FIT 25/220...240/700 LT2 S	Plastic
OT FIT 40/220...240/1A0 LT2 S	Plastic

### Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
OT FIT 15/220...240/500 LT2 S	-20...+50 °C	75 °C	110 °C	-40...+85 °C
OT FIT 25/220...240/700 LT2 S	-20...+50 °C	75 °C	110 °C	-40...+85 °C
OT FIT 40/220...240/1A0 LT2 S	-20...+40 °C	75 °C	110 °C	-40...+85 °C

Product description	Permitted rel. humidity during operation
OT FIT 15/220...240/500 LT2 S	5...85 % <sup>1)</sup>
OT FIT 25/220...240/700 LT2 S	5...85 % <sup>1)</sup>
OT FIT 40/220...240/1A0 LT2 S	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

Product description	ECG lifetime
OT FIT 15/220...240/500 LT2 S	100000 h <sup>1)</sup>
OT FIT 25/220...240/700 LT2 S	100000 h <sup>1)</sup>
OT FIT 40/220...240/1A0 LT2 S	100000 h <sup>1)</sup>

<sup>1)</sup> At  $T_{case} = 65^{\circ}C$  at  $T_c$  point / 10% failure rate

### Capabilities

Product description	Intended for no-load operation
OT FIT 15/220...240/500 LT2 S	No
OT FIT 25/220...240/700 LT2 S	No
OT FIT 40/220...240/1A0 LT2 S	No

### Programming

Product description	Programming device
OT FIT 15/220...240/500 LT2 S	LEDset
OT FIT 25/220...240/700 LT2 S	LEDset
OT FIT 40/220...240/1A0 LT2 S	LEDset

## Product family datasheet

### Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OT FIT 15/220...240/500 LT2 S	CE	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 61000-3-3	IP20
OT FIT 25/220...240/700 LT2 S	CE	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 61000-3-3	IP20
OT FIT 40/220...240/1A0 LT2 S	CE	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 61000-3-3	IP20

### Logistical data

Product description	Commodity code
OT FIT 15/220...240/500 LT2 S	850440829000
OT FIT 25/220...240/700 LT2 S	850440829000
OT FIT 40/220...240/1A0 LT2 S	850440829000



### 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)

### Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Brochures 730877_Brochure OT FIT LT2 S (EN)

## Product family datasheet

	Certificates OT FIT OTI DALI LT2 CB DE1 63464 060520
	Certificates 729794_Certificate OT FIT LT2 S
	Certificates OT EMC 40038482 220421
	Certificates OT ENEC 40038447 210721
	Certificates CCC Certificate 2018171002002029 (CE)
	Certificates CCC Certificate 2018171002002030 (CE)
	Declarations of conformity OT FIT LT2 S CE 3432845 200821
	Declarations of conformity OT FIT LT2 S UK DoC 4288997 170221
	CAD data 722872_OT FIT-LT2S-15-25-40-housing-3Ddrawing STEP
	CAD data 722871_OT FIT-LT2S-15-25-40-cable clamp 3Ddrawing.STEP
	CAD data 722873_OT FIT-LT2S-15-25-40-housing with cable clamps-3Ddrawing STEP

### Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899956995	OT FIT 15/220...240/500 LT2 S	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm <sup>3</sup>	1923.00 g
4052899957008	OT FIT 25/220...240/700 LT2 S	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm <sup>3</sup>	2103.00 g

## Product family datasheet

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### Logistical Data

4052899957015	OT FIT 40/220...240/1A0 LT2 S	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm <sup>3</sup>	2303.00 g
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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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### Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 15/220...240/500 LT2 S	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 25/220...240/700 LT2 S	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 40/220...240/1A0 LT2 S	OT CABLE CLAMP D-STYLE	▶ 4052899077904

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### Disclaimer

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