

## OPTOTRONIC FIT CS G2

Compact constant current LED driver – Non dimmable



### Areas of application

- Suitable for downlights, spotlights and LED panels
- Suitable for luminaires of protection classes I and II

### Product family benefits

- High quality of light thanks to low output ripple current
- High flexibility due to four different output currents
- Small housing for flexible luminaire designs
- High efficiency



## 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 50,000 h (temperature at  $T_c = 70\text{ °C}$ , 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 20/220...240/500 CS	87 % <sup>1)</sup>	21 W
OT FIT 30/220...240/700 CS	89 % <sup>1)</sup>	29.4 W
OT FIT 40/220...240/1A0 CS	90 % <sup>1)</sup>	44 W
OT FIT 75/220-240/1A6 CS	91 % <sup>1)</sup>	77 W

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

#### Dimensions & weight

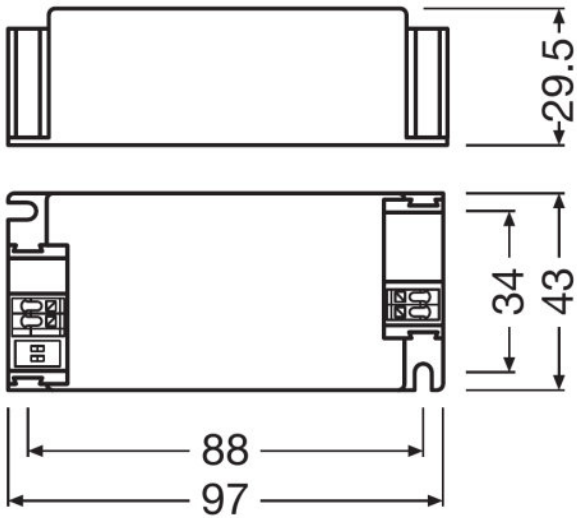
Product description	Mounting hole spacing, length	Mounting hole spacing, width	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT FIT 20/220...240/500 CS	88.0 mm	34.0 mm	85.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 30/220...240/700 CS	88.0 mm	34.0 mm	90.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 40/220...240/1A0 CS	88.0 mm	34.0 mm	110.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 75/220-240/1A6 CS	94.0 mm	58.0 mm	170.00 g	0.5...1.5 / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>	0.5...1.5 / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>

Product description	Wire preparation length, input side	Wire preparation length, output side	Length	Width	Height
OT FIT 20/220...240/500 CS	7...8 mm	7...8 mm	97.0 mm	43.0 mm	29.5 mm
OT FIT 30/220...240/700 CS	7...8 mm	7...8 mm	97.0 mm	43.0 mm	29.5 mm
OT FIT 40/220...240/1A0 CS	7...8 mm	7...8 mm	97.0 mm	43.0 mm	29.5 mm
OT FIT 75/220-240/1A6 CS	7...8 mm	7...8 mm	103.0 mm	67.0 mm	29.5 mm

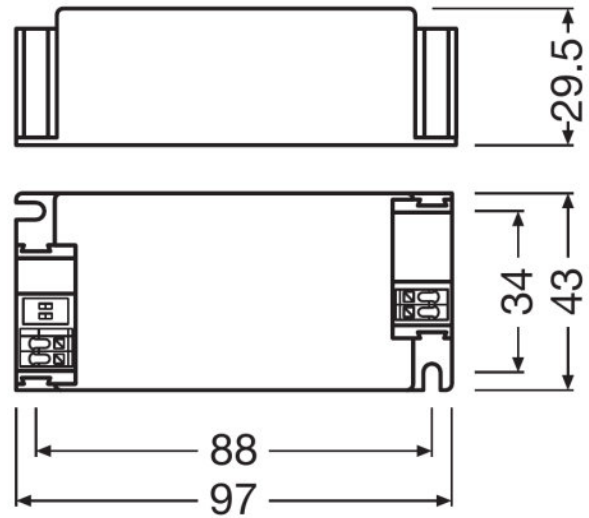
<sup>1)</sup> Solid/ Flexible Leads

# Product family datasheet

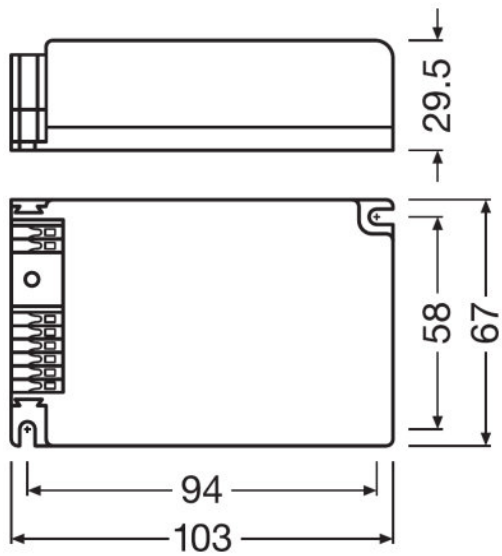
## Product line drawing



OT FIT 20/220...240/500 CS



OT FIT 30/220...240/700 CS, OT FIT 40/220...240/1A0 CS



OT FIT 75/220-240/1A6 CS

## Product family datasheet

### Colors & materials

Product description	Casing material
OT FIT 20/220...240/500 CS	Plastic
OT FIT 30/220...240/700 CS	Plastic
OT FIT 40/220...240/1A0 CS	Plastic
OT FIT 75/220-240/1A6 CS	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 20/220...240/500 CS	-20...+50 °C	80 °C	110 °C	-20...80 °C
OT FIT 30/220...240/700 CS	-20...+50 °C	80 °C	110 °C	-20...80 °C
OT FIT 40/220...240/1A0 CS	-20...+50 °C	80 °C	110 °C	-20...80 °C
OT FIT 75/220-240/1A6 CS	-20...+50/-20...+45 °C <sup>2)</sup>	80 °C	110 °C	-20...80 °C

Product description	Permitted rel. humidity during operation
OT FIT 20/220...240/500 CS	5...85 % <sup>1)</sup>
OT FIT 30/220...240/700 CS	5...85 % <sup>1)</sup>
OT FIT 40/220...240/1A0 CS	5...85 % <sup>1)</sup>
OT FIT 75/220-240/1A6 CS	5...85 % <sup>3)</sup>

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

<sup>2)</sup> At output current 1200/1350/1500 mA/At output current 1650 mA

<sup>3)</sup> Non-condensing

### Lifespan

Product description	ECG lifetime
OT FIT 20/220...240/500 CS	50000 / 30000 h <sup>1)</sup>
OT FIT 30/220...240/700 CS	50000 / 30000 h <sup>1)</sup>
OT FIT 40/220...240/1A0 CS	50000 / 30000 h <sup>1)</sup>
OT FIT 75/220-240/1A6 CS	50000 / 30000 h <sup>1)</sup>

<sup>1)</sup>  $T_c = 70^\circ\text{C}$ , with max. 10% failure rate /  $T_c = 80^\circ\text{C}$ , with max. 10% failure rate

## Product family datasheet

### Capabilities

Product description	Intended for no-load operation
OT FIT 20/220...240/500 CS	No
OT FIT 30/220...240/700 CS	No
OT FIT 40/220...240/1A0 CS	No
OT FIT 75/220-240/1A6 CS	No

### Programming

Product description	Programming device
OT FIT 20/220...240/500 CS	DIPswitch
OT FIT 30/220...240/700 CS	DIPswitch
OT FIT 40/220...240/1A0 CS	DIPswitch
OT FIT 75/220-240/1A6 CS	DIPswitch

### Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OT FIT 20/220...240/500 CS	CCC / CE / RCM / ENEC 05	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 61000-3-3/Acc. to IEC 61547	IP20
OT FIT 30/220...240/700 CS	CCC / CE / RCM / ENEC 05	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 61000-3-3/Acc. to IEC 61547	IP20
OT FIT 40/220...240/1A0 CS	CCC / CE / RCM / ENEC 05	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 61000-3-3/Acc. to IEC 61547	IP20
OT FIT 75/220-240/1A6 CS	CCC / CE / RCM / ENEC 05	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547/Acc. to CISPR 15	IP20

## Product family datasheet

### Logistical data

Product description	Commodity code
OT FIT 20/220...240/500 CS	850440829000
OT FIT 30/220...240/700 CS	850440829000
OT FIT 40/220...240/1A0 CS	850440829000
OT FIT 75/220-240/1A6 CS	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
 User instruction OPTOTRONIC LED Power Supply
 User instruction OPTOTRONIC LED Power Supply
 Certificates OT FIT 20 30 40 CS EMC 4330577 01 221019
 Certificates OT FIT 20 30 40 CS ENEC 35 104727 221019
 Certificates Certificate 2196588.02 ENEC
 Certificates CCC Certificate 2018171002002235
 Certificates CCC Certificate 2018171002002236
 Declarations of conformity OT FIT CS UK DoC 4290089 180221
 Declarations of conformity 489246_DoC_OT FIT CS
 Declarations of conformity OT FIT CS CE 3667905 190821

## Product family datasheet

	CAD data OT FIT 20 CS IGS 071020
	CAD data OT FIT 20 CS STEP 071020
	CAD data PDF OT FIT 20 CS CADPDF 071020
	Certificates CCC Certificate 2018171002002233
	Certificates CCC Certificate 2018171002002234
	CAD data OT FIT 30 40 CS IGS 071020
	CAD data OT FIT 30 40 CS STEP 071020
	CAD data PDF OT FIT 30 40 CS CADPDF 071020
	User instruction OPTOTRONIC LED Power Supply
	Certificates OT FIT 75 CS DEKRA 35 106549 160620
	CAD data OT FIT 751A6 CS - built in step
	CAD data PDF OT FIT 751A6 CS - built in pdf

### 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
4052899435612	OT FIT 20/220...240/500 CS	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm <sup>3</sup>	1903.00 g



## Product family datasheet

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### Logistical Data

4052899435636	OT FIT 30/220...240/700 CS	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm <sup>3</sup>	2003.00 g
4052899435650	OT FIT 40/220...240/1A0 CS	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm <sup>3</sup>	2403.00 g
4052899999565	OT FIT 75/220-240/1A6 CS	Shipping carton box 20	353 mm x 223 mm x 101 mm	7.95 dm <sup>3</sup>	3742.00 g

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 20/220...240/500 CS	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 30/220...240/700 CS	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 40/220...240/1A0 CS	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 75/220-240/1A6 CS	OT CABLE CLAMP B-STYLE	▶ 4052899077881
OT FIT 75/220-240/1A6 CS	OT CABLE CLAMP B-STYLE TL	▶ 4052899948051

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### Disclaimer

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