



## Product family datasheet

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### Product family features

- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 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)
- Independent connection via through-looping (depending on version of product)

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### Technical data

#### Electrical data

Product description	Nominal input voltage	Mains frequency	Input voltage AC	Input voltage DC	Total harmonic distortion	Power factor $\lambda$
OT FIT 15/220...240/500 LT2 LP	220...240 V	0/50/60 Hz	198...264 V	176...276 V	< 15 %	0.95
OT FIT 25/220...240/700 LT2 LP	220...240 V	0/50/60 Hz	198...264 V	176...276 V	< 15 %	0.95
OT FIT 40/220...240/1A0 LT2 LP	220...240 V	0/50/60 Hz	198...264 V	176...276 V	< 15 %	0.98

Product description	Efficiency in full-load	Device power loss	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 16 A (B)
OT FIT 15/220...240/500 LT2 LP	84 % <sup>1)</sup>	3.0 W	14 A	38	60
OT FIT 25/220...240/700 LT2 LP	86 % <sup>1)</sup>	4.5 W	15 A <sup>3)</sup>	20	30
OT FIT 40/220...240/1A0 LT2 LP	87 % <sup>1)</sup>	6.0 W	17 A <sup>3)</sup>	19	30

Product description	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)	Nominal output voltage
OT FIT 15/220...240/500 LT2 LP	-	2 kV <sup>2)</sup>	1 kV	15...50 V
OT FIT 25/220...240/700 LT2 LP	-	2 kV <sup>2)</sup>	1 kV	15...50 V
OT FIT 40/220...240/1A0 LT2 LP	-	2 kV <sup>2)</sup>	1 kV	15...50 V

Product description	U-OUT (working voltage)	Nominal output current	Output current LEDset open	Output current LEDset shorted
OT FIT 15/220...240/500 LT2 LP	60 V	150...500 mA	Not allowed	500 mA
OT FIT 25/220...240/700 LT2 LP	60 V	300...700 mA	Not allowed	700 mA
OT FIT 40/220...240/1A0 LT2 LP	60 V	500...1050 mA	Not allowed	1050 mA

Product description	Output current tolerance	Output ripple current (100 Hz)	Output PSTLM
OT FIT 15/220...240/500 LT2 LP	±5 %	< 5 %	≤1
OT FIT 25/220...240/700 LT2 LP	±5 %	< 5 %	≤1
OT FIT 40/220...240/1A0 LT2 LP	±5 %	< 5 %	≤1

Product description	Output SVM	Nominal output power	Maximum output power	Galvanic isolation
OT FIT 15/220...240/500 LT2 LP	≤0.4	4.5...17.5 W	17.5 W	SELV
OT FIT 25/220...240/700 LT2 LP	≤0.4	8.0...26.5 W	26.5 W	SELV
OT FIT 40/220...240/1A0 LT2 LP	≤0.4	13...40 W	40 W	SELV

Product description	Current set
OT FIT 15/220...240/500 LT2 LP	LEDset2
OT FIT 25/220...240/700 LT2 LP	LEDset2
OT FIT 40/220...240/1A0 LT2 LP	LEDset2

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1) at 230 V, 50 Hz

2) L+N / PE of basic isolated LED module

3)  $t_{width} = 225 \mu s$  (measured at 50 %  $I_{peak}$ )

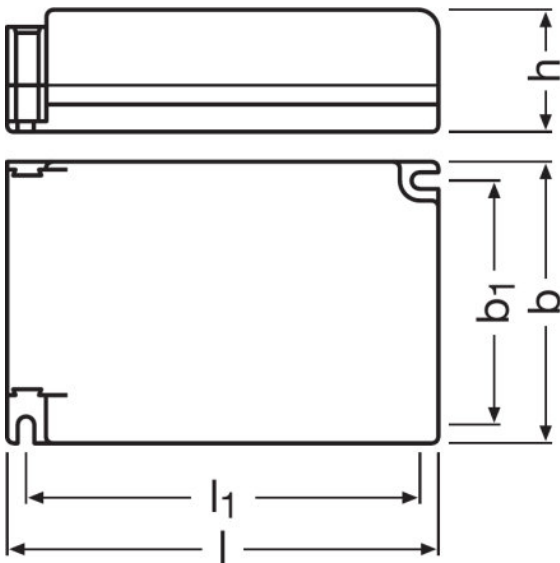
### Dimensions & weight

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 LP	94.0 mm	58.0 mm	110.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 25/220...240/700 LT2 LP	94.0 mm	58.0 mm	125.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 40/220...240/1A0 LT2 LP	94.0 mm	58.0 mm	135.00 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	Height	Width	Length
OT FIT 15/220...240/500 LT2 LP	9.0...10.0 mm	8.0...9.0 mm	22.5 mm	67.0 mm	103.0 mm
OT FIT 25/220...240/700 LT2 LP	9.0...10.0 mm	8.0...9.0 mm	22.5 mm	67.0 mm	103.0 mm
OT FIT 40/220...240/1A0 LT2 LP	9.0...10.0 mm	8.0...9.0 mm	22.5 mm	67.0 mm	103.0 mm

### Product line drawing



OT FIT 15/220...240/500 LT2 LP, OT FIT 25/220...240/700 LT2 LP, OT FIT 40/220...240/1A0 LT2 LP

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### Colors & materials

Product description	Casing material
OT FIT 15/220...240/500 LT2 LP	Plastic
OT FIT 25/220...240/700 LT2 LP	Plastic
OT FIT 40/220...240/1A0 LT2 LP	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 LP	-20...+45 °C	75 °C	110 °C	-40...+85 °C
OT FIT 25/220...240/700 LT2 LP	-20...+45 °C	75 °C	110 °C	-40...+85 °C
OT FIT 40/220...240/1A0 LT2 LP	-20...+45 °C	75 °C	110 °C	-40...+85 °C

Product description	Permitted rel. humidity during operation
OT FIT 15/220...240/500 LT2 LP	5...85 % <sup>1)</sup>
OT FIT 25/220...240/700 LT2 LP	5...85 % <sup>1)</sup>
OT FIT 40/220...240/1A0 LT2 LP	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 LP	50000 / 100000 h <sup>1)</sup>
OT FIT 25/220...240/700 LT2 LP	50000 / 100000 h <sup>1)</sup>
OT FIT 40/220...240/1A0 LT2 LP	50000 / 100000 h <sup>1)</sup>

<sup>1)</sup>  $T_c = 75^\circ\text{C}$ , 0.2% / 1,000 h failure rate /  $T_c = 65^\circ\text{C}$ , 0.1% / 1,000 h failure rate

### Additional product data

Product description	Predecessor EAN
OT FIT 15/220...240/500 LT2 LP	4052899919426
OT FIT 25/220...240/700 LT2 LP	4052899919419, 4052899919402
OT FIT 40/220...240/1A0 LT2 LP	4052899166318

### Capabilities

Product description	Dimmable	Overheating protection	Overload protection
OT FIT 15/220...240/500 LT2 LP	No	Automatic reversible	Automatic reversible
OT FIT 25/220...240/700 LT2 LP	No	Automatic reversible	Automatic reversible
OT FIT 40/220...240/1A0 LT2 LP	No	Automatic reversible	Automatic reversible

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Product description	Short-circuit protection	No-load proof	Intended for no-load operation	Max. cable length to lamp/LED module
OT FIT 15/220...240/500 LT2 LP	Automatic reversible	Yes	No	2.0 m
OT FIT 25/220...240/700 LT2 LP	Automatic reversible	Yes	No	2.0 m
OT FIT 40/220...240/1A0 LT2 LP	Automatic reversible	Yes	No	2.0 m

Product description	Suitable for fixtures with prot. class	Type of connection, output side	Number of channels
OT FIT 15/220...240/500 LT2 LP	I / II	Push terminal	1
OT FIT 25/220...240/700 LT2 LP	I / II	Push terminal	1
OT FIT 40/220...240/1A0 LT2 LP	I / II	Push terminal	1

### Programming

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

### Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OT FIT 15/220...240/500 LT2 LP	CE	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to EN 55015	IP20
OT FIT 25/220...240/700 LT2 LP	CE	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to EN 55015	IP20
OT FIT 40/220...240/1A0 LT2 LP	CE	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to EN 55015	IP20

### Logistical data

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

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### Environmental information

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
OT FIT 15/220...240/500 LT2 LP	23-12-2021	4052899490673	Lead
OT FIT 25/220...240/700 LT2 LP	23-12-2021	4052899490697	Lead
OT FIT 40/220...240/1A0 LT2 LP	23-12-2021	4052899490734	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
OT FIT 15/220...240/500 LT2 LP	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e13b758f-9d84-47a6-b5d3-8a3afef166e1
OT FIT 25/220...240/700 LT2 LP	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	df32838b-6683-4685-8d82-15db87ab2d35
OT FIT 40/220...240/1A0 LT2 LP	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	c7691c4b-1ec0-494d-a33e-373c3dea60ef






### 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
 Certificates OT ENEC 40038447 161221
 Certificates CEAG OT FIT 15220-240500 LT2 LP
 Certificates INOTEC OT FIT 15220-240500 LT2 LP
 Certificates CCC Certificate 2018171002002031

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	Certificates CCC Certificate 2018171002002041
	Declarations of conformity OT FIT LT2 LP CE 3520188 210921
	CAD data 3-dim OT FIT-LT2-15-25-40 cable clamp 3Ddrawing
	CAD data 3-dim OT FIT-LT2-15-25-40 housing 3Ddrawing
	CAD data 3-dim OT FIT-LT2-15-25-40 housing with cable clamp 3Ddrawing
	Certificates CEAG OT FIT 25220-240700 LT2 LP
	Certificates INOTEC OT FIT 25220-240700 LT2 LP
	Certificates CCC Certificate 2018171002002040
	Certificates CCC Certificate 2018171002002039
	Certificates CEAG OT FIT 40220-2401A0 LT2 LP
	Certificates INOTEC OT FIT 40220-2401A0 LT2 LP

### 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
4052899490673	OT FIT 15/220...240/500 LT2 LP	Shipping carton box 20	348 mm x 218 mm x 67 mm	5.08 dm <sup>3</sup>	2362.00 g
4052899490697	OT FIT 25/220...240/700 LT2 LP	Shipping carton box 20	348 mm x 218 mm x 67 mm	5.08 dm <sup>3</sup>	2662.00 g

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### Logistical Data

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4052899490734	OT FIT 40/220...240/1A0 LT2 LP	Shipping carton box 20	348 mm x 218 mm x 67 mm	5.08 dm <sup>3</sup>	2862.00 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 LP	OT CABLE CLAMP B-STYLE LP TL	▶ 4052899530997
OT FIT 25/220...240/700 LT2 LP	OT CABLE CLAMP B-STYLE LP TL	▶ 4052899530997
OT FIT 40/220...240/1A0 LT2 LP	OT CABLE CLAMP B-STYLE LP TL	▶ 4052899530997

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### Disclaimer

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