

OPTOTRONIC FIT NFC

Compact constant current LED driver – Non dimmable



Areas of application

- Spot light and down light
- Offices
- Shops
- Hospitality

Product family benefits

- Fast programming / current set via NFC*
- High quality of light thanks to low output ripple current
- Small housing for flexible luminaire designs
- High efficiency

Product family features

- Output current range 150-1050 mA
- NFC Interface
- Low LF-ripple < 5%
- Lifetime: up to 50,000 h (temperature at max. t_c)

Product family datasheet

Technical data

Electrical data

Product description	Nominal input voltage	Mains frequency	Input voltage AC	Total harmonic distortion	Power factor λ
OT FIT 15/220-240/350 NFC	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.65C...0.98
OT FIT 25/220-240/700 NFC	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.77C...0.98
OT FIT 40/220-240/1A0 NFC	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.85C...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 10 A (C)
OT FIT 15/220-240/350 NFC	85 % ²⁾	2.5 W	20 A ³⁾	40	-
OT FIT 25/220-240/700 NFC	89 % ²⁾	3.6 W	20 A ³⁾	20	-
OT FIT 40/220-240/1A0 NFC	88 % ²⁾	5.5 W	20 A ³⁾	15	-

Product description	Max. ECG no. on circuit breaker 16 A (B)	Max. ECG no. on circuit breaker 16 A (C)	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)
OT FIT 15/220-240/350 NFC	60	-	-	2 kV	1 kV
OT FIT 25/220-240/700 NFC	30	-	-	2 kV	1 kV
OT FIT 40/220-240/1A0 NFC	25	-	-	2 kV	1 kV

Product description	Nominal output voltage	U-OUT (working voltage)	Nominal output current	Output current tolerance	Default output current
OT FIT 15/220-240/350 NFC	18...40 V	60 V	150...350 mA ⁴⁾	±7.5 %	150 mA
OT FIT 25/220-240/700 NFC	18...40 V	60 V	350...700 mA ⁴⁾	±7.5 %	350 mA
OT FIT 40/220-240/1A0 NFC	18...40 V	60 V	700...1050 mA ⁴⁾	±7.5 %	700 mA

Product description	Output ripple current (100 Hz)	Output PSTLM	Output SVM	Nominal output power
OT FIT 15/220-240/350 NFC	< 5 %	≤1	≤0.4	2.7...14 W
OT FIT 25/220-240/700 NFC	< 5 %	≤1	≤0.4	6.3...28 W
OT FIT 40/220-240/1A0 NFC	< 5 %	≤1	≤0.4	12.6...42 W

Product description	Maximum output power	Current set	Galvanic isolation
OT FIT 15/220-240/350 NFC	14 W	NFC	SELV
OT FIT 25/220-240/700 NFC	28 W	NFC	SELV
OT FIT 40/220-240/1A0 NFC	42 W	NFC	SELV

¹⁾ At full load

²⁾ at 230 V, 50 Hz

³⁾ $t_h=200 \mu s$

⁴⁾ ±7.5%

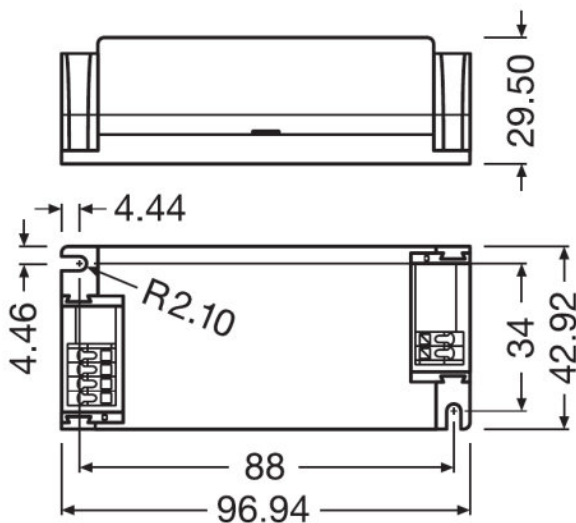
Dimensions & weight

Product description	Mounting hole spacing, length	Mounting hole spacing, width	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT FIT 15/220-240/350 NFC	88.0 mm	34.0 mm	80.00 g	0.5...1.5 / 0.75...1.5 mm ^{2 1)}	0.5...1.5 / 0.75...1.5 mm ^{2 1)}
OT FIT 25/220-240/700 NFC	88.0 mm	34.0 mm	120.00 g	0.5...1.5 / 0.75...1.5 mm ^{2 1)}	0.5...1.5 / 0.75...1.5 mm ^{2 1)}
OT FIT 40/220-240/1A0 NFC	88.0 mm	34.0 mm	140.00 g	0.5...1.5 / 0.75...1.5 mm ^{2 1)}	0.5...1.5 / 0.75...1.5 mm ^{2 1)}

Product description	Wire preparation length, input side	Wire preparation length, output side	Height	Width	Length
OT FIT 15/220-240/350 NFC	7...8 mm	7...8 mm	29.5 mm	43.0 mm	97.0 mm
OT FIT 25/220-240/700 NFC	7...8 mm	7...8 mm	29.5 mm	43.0 mm	97.0 mm
OT FIT 40/220-240/1A0 NFC	7...8 mm	7...8 mm	29.5 mm	43.0 mm	97.0 mm

1) Solid/ Flexible Leads

Product line drawing



OT FIT 15/220-240/350 NFC, OT FIT 25/220-240/700 NFC,
OT FIT 40/220-240/1A0 NFC

Colors & materials

Product description	Casing material
OT FIT 15/220-240/350 NFC	Plastic
OT FIT 25/220-240/700 NFC	Plastic
OT FIT 40/220-240/1A0 NFC	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 15/220-240/350 NFC	-20...+50 °C	70 °C	110 °C	-25...85 °C
OT FIT 25/220-240/700 NFC	-20...+50 °C	80 °C	110 °C	-25...85 °C
OT FIT 40/220-240/1A0 NFC	-20...+50 °C ²⁾	80 °C	110 °C	-25...85 °C

Product description	Permitted rel. humidity during operation
OT FIT 15/220-240/350 NFC	5...85 % ¹⁾
OT FIT 25/220-240/700 NFC	5...85 % ¹⁾
OT FIT 40/220-240/1A0 NFC	5...85 % ¹⁾

¹⁾ Non-condensing

²⁾ 700-900 mA

Lifespan

Product description	ECG lifetime
OT FIT 15/220-240/350 NFC	50000 / 100000 h ¹⁾
OT FIT 25/220-240/700 NFC	50000 / 100000 h ²⁾
OT FIT 40/220-240/1A0 NFC	50000 / 100000 h ²⁾

¹⁾ T_C = 70°C, 0.2% / 1,000 h failure rate / T_C = 60°C, 0.1% / 1,000 h failure rate

²⁾ At T_C = 80°C / 0.2% / 1,000 h failure rate / T_C = 70°C, 0.1% / 1,000 h failure rate

Additional product data

Product description	Predecessor EAN
OT FIT 15/220-240/350 NFC	4052899956995
OT FIT 25/220-240/700 NFC	4052899957008
OT FIT 40/220-240/1A0 NFC	4052899957015

Capabilities

Product description	Dimmable	Overheating protection	Overload protection
OT FIT 15/220-240/350 NFC	No	Automatic reversible	Yes
OT FIT 25/220-240/700 NFC	No	Automatic reversible	Yes
OT FIT 40/220-240/1A0 NFC	No	Automatic reversible	Yes

Product description	Short-circuit protection	No-load proof	Intended for no-load operation	Max. cable length to lamp/LED module
OT FIT 15/220-240/350 NFC	Yes	Yes	No	2.0 m ¹⁾
OT FIT 25/220-240/700 NFC	Yes	Yes	No	2.0 m ¹⁾
OT FIT 40/220-240/1A0 NFC	Yes	Yes	No	2.0 m ¹⁾

Product description	Suitable for fixtures with prot. class	Type of connection, input side	Type of connection, output side
OT FIT 15/220-240/350 NFC	I / II	Push terminal	Push terminal
OT FIT 25/220-240/700 NFC	I / II	Push terminal	Push terminal
OT FIT 40/220-240/1A0 NFC	I / II	Push terminal	Push terminal

Product description	Suitable for through-wiring	Number of channels
OT FIT 15/220-240/350 NFC	No	1
OT FIT 25/220-240/700 NFC	No	1
OT FIT 40/220-240/1A0 NFC	No	1

¹⁾ Output wires must be routed as close as possible to each other

Programming

Product description	Box programming	Tuner4TRONIC	Tuner4TRONIC Field App
OT FIT 15/220-240/350 NFC	Yes	Yes	Yes
OT FIT 25/220-240/700 NFC	Yes	Yes	Yes
OT FIT 40/220-240/1A0 NFC	Yes	Yes	Yes

Product description	Programming device
OT FIT 15/220-240/350 NFC	NFC
OT FIT 25/220-240/700 NFC	NFC
OT FIT 40/220-240/1A0 NFC	NFC

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection	Protection class
OT FIT 15/220-240/350 NFC	CCC / CE / ENEC	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 EN 55015, CISPR 15/Acc. to EN 62386	IP20	II
OT FIT 25/220-240/700 NFC	CCC / CE / ENEC	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 EN 55015, CISPR 15/Acc. to EN 62386	IP20	II
OT FIT 40/220-240/1A0 NFC	CCC / CE / ENEC	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 EN 55015, CISPR 15/Acc. to EN 62386	IP20	II

Logistical data

Product description	Commodity code
OT FIT 15/220-240/350 NFC	85044083900
OT FIT 25/220-240/700 NFC	85044083900
OT FIT 40/220-240/1A0 NFC	85044083900

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
OT FIT 15/220-240/350 NFC	16-08-2023	4052899617179	Lead
OT FIT 25/220-240/700 NFC	25-05-2023	4052899617186	Lead
OT FIT 40/220-240/1A0 NFC	06-09-2023	4052899617193	Lead
Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
OT FIT 15/220-240/350 NFC	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	cf82b489-d43f-4437-b36a-5eb6274a589c

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Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
OT FIT 25/220-240/700 NFC	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	49a9918f-8fd2-491e-a4b0-0e2834faf26e
OT FIT 40/220-240/1A0 NFC	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	4a6498b1-73e8-4914-820c-5775ae4be28a

Application advice

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

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	User instruction OPTOTRONIC LED Power Supply
	Certificates OT FIT IT DALI NFC ENEC 35 113246 060420
	Certificates OT FIT IT DALI NFC RCM NSW27559 080421
	Declarations of conformity OT FIT NFC CE 4211505 230821
	Declarations of conformity OT FIT NFC UK DoC 4281077 220823

Product family datasheet

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
4052899617179	OT FIT 15/220-240/350 NFC	Shipping carton box 20	208 mm x 158 mm x 107 mm	3.52 dm ³	1715.00 g
4052899617186	OT FIT 25/220-240/700 NFC	Shipping carton box 20	208 mm x 158 mm x 107 mm	3.52 dm ³	2515.00 g
4052899617193	OT FIT 40/220-240/1A0 NFC	Shipping carton box 20	208 mm x 158 mm x 107 mm	3.52 dm ³	2915.00 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.

Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 15/220-240/350 NFC	OT CABLE CLAMP D-STYLE	▶ 4062172345507
OT FIT 15/220-240/350 NFC	OT CABLE CLAMP D-STYLE TL	▶ 4062172349185
OT FIT 25/220-240/700 NFC	OT CABLE CLAMP D-STYLE	▶ 4062172345507
OT FIT 25/220-240/700 NFC	OT CABLE CLAMP D-STYLE TL	▶ 4062172349185
OT FIT 40/220-240/1A0 NFC	OT CABLE CLAMP D-STYLE	▶ 4062172345507
OT FIT 40/220-240/1A0 NFC	OT CABLE CLAMP D-STYLE TL	▶ 4062172349185

Disclaimer

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