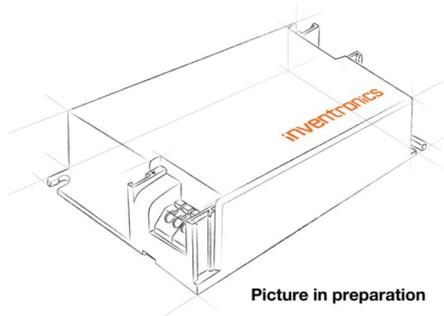# inventronics

The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

OT FIT 15/220-240/350 NFC *(PHASE OUT)*

OPTOTRONIC FIT NFC | Compact constant current LED driver – Non dimmable

Picture in preparation

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 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

Specifications are subject to changes without notice.

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Tue Sep 30 22:30:54 CST 2025

Areas of application

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

Technical data

Electrical data

Nominal input voltage	220…240 V
Mains frequency	50/60 Hz
Input voltage AC	198…264 V
Input voltage DC	not relevant
Nominal input current at 230 V	0.08 A
Total harmonic distortion	< 10 % [1]
Power factor λ	0.65C...0.98
Efficiency in full-load	85 % [2]
Device power loss	2.5 W
Inrush current	20 A [3]
Max. ECG no. on circuit breaker 10 A (B)	40
Max. ECG no. on circuit breaker 16 A (B)	60
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Protective conductor current	not relevant
Nominal output voltage	18…40 V
U-OUT (working voltage)	60 V
Nominal output current	150…350 mA [4]
Default output current	150 mA
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	2.7…14 W
Maximum output power	14 W
Galvanic isolation primary/secondary	SELV

1) At full load
2) at 230 V, 50 Hz
3) th=200 µs
4) ±7.5%

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Typical Power Factor v Load
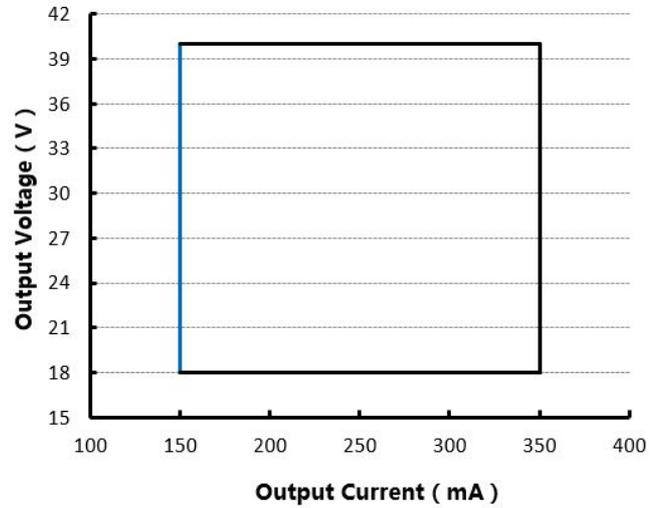
OT FIT 15 NFC Typical Power Factor vs. Load

Operating Window

OT FIT 15 NFC Operating Window
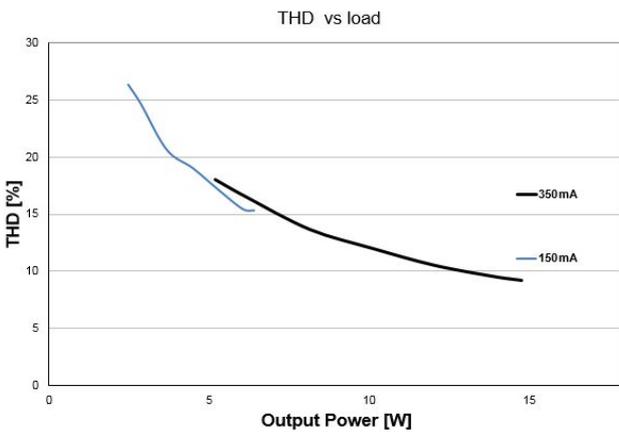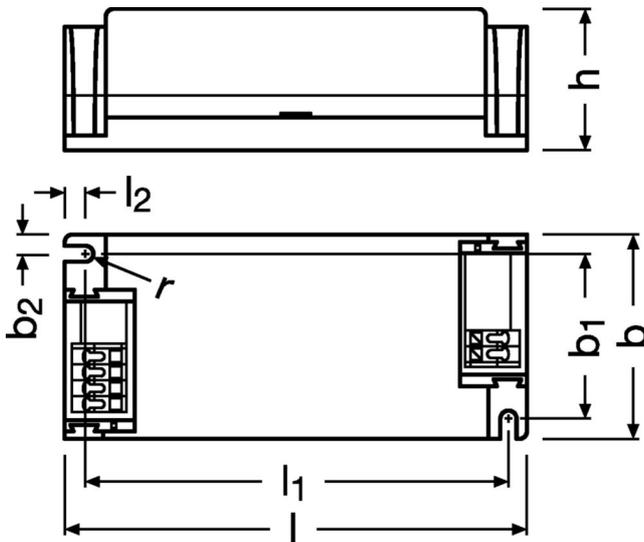
Typical THD v Load

OT FIT 15 NFC Typical THD Vs Load

Typical Efficiency v Load 230 V 50 Hz
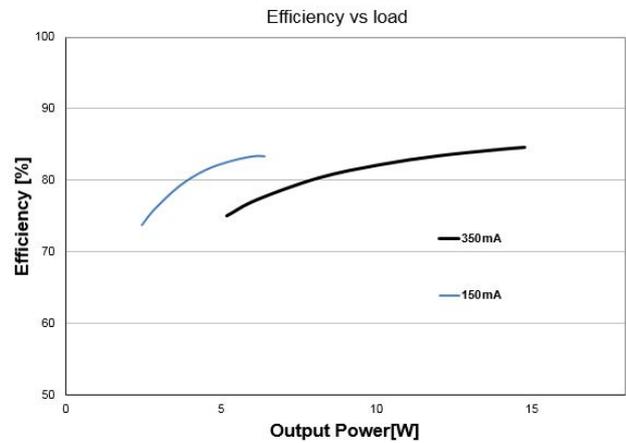
OT FIT 15 NFC Typical Efficiency vs. Load (230 V / 50 Hz)

Dimensions & weight

Product weight	80.00 g
Length	97.0 mm
Width	43.0 mm
Height	29.5 mm
Mounting hole spacing, length	88.0 mm
Mounting hole spacing, width	34.0 mm
Cable cross-section, input side	0.5…1.5 mm² / 0.75…1.5 mm² [1]
Cable cross-section, output side	0.5…1.5 mm² / 0.75…1.5 mm² [1]
Wire preparation length, input side	7…8 mm
Wire preparation length, output side	7…8 mm

1) Solid/ Flexible Leads

Colors & materials

Casing material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C
Maximum temperature at tc test point	70 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-25…85 °C
Permitted rel. humidity during operation	5…85 % [1]

1) Non-condensing

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Lifespan

ECG lifetime	50000 h / 100000 h [1]

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

Capabilities

Dimmable	No
Max. cable length to lamp/LED module	2.0 m [1]
Suitable for fixtures with prot. class	I / II
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Suitable for through-wiring	No
Number of channels	1
Overheating protection	Automatic reversible
Overload protection	Yes
Short-circuit protection	Yes
Intended for no-load operation	No
No-load proof	Yes

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

Programming

Programming device	NFC
Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes
Box programming	Yes

Certificates & standards

Approval marks – approval	CCC / CE / ENEC
Standards	IEC 61347-1 / IEC 61347-2-13 / IEC 62384 / IEC 61000-3-2 / IEC 61000-3-3 / IEC 61547 / EN 55015, CISPR 15 / EN 62386
Type of protection	IP20

Logistical data

Commodity code	85044083900

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	18-09-2025
Primary Article Identifier	4052899617179
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

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.

Download Data

File		
Certificates	PDF	▶IT DALI OT FIT ENEC 35 113246 02 120723
CAD data 3-dim	Compressed	▶OT FIT NFC CAD3PDF 110624
CAD data	Compressed	▶OT FIT NFC STEP 110624
Mandatory Publications	PDF	▶OT FIT NFC CE 4211505 06 180924
Mandatory Publications	PDF	▶OT FIT NFC UK DoC 4281077 01 220823
User instruction	PDF	▶UI OT FIT NFC

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899617179 OSRAM	OT FIT 15/220-240/350 NFC	Shipping carton box 20 Pieces	208 x 158 x 107 mm	3.52 dm³	85.75 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	▶4052899077904
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	▶4050732420573
OT FIT 15/220-240/350 NFC	OT CABLE CLAMP D-STYLE	▶6977770432086
OT FIT 15/220-240/350 NFC	OT CABLE CLAMP D-STYLE TL	▶4062172349185
OT FIT 15/220-240/350 NFC	OT CABLE CLAMP D-STYLE TL	▶6977770432109
OT FIT 15/220-240/350 NFC	PRH101 -USB	▶6977078996938
OT FIT 15/220-240/350 NFC	PRH101 -USB	▶6937186112354
OT FIT 15/220-240/350 NFC	CPR30+	▶6977078996945
OT FIT 15/220-240/350 NFC	CPR30+	▶6937186112378

Disclaimer

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

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