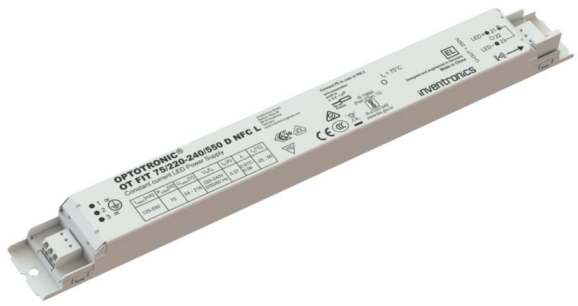
OT FIT 75/220-240/550 D NFC L

OPTOTRONIC FIT D NFC L | Linear / Area Constant Current – Non dimmable



Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 75 W
- Supply voltage: 220…240 V
- Available with output current range: up to 550 mA
- Non-isolated drivers

Product family benefits

- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at T_c = 65 °C, max. 10 % failure rate)
- High quality of light thanks to <1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature protection

Specifications are subject to changes without notice.

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Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Suitable for luminaires of protection class I

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Technical data

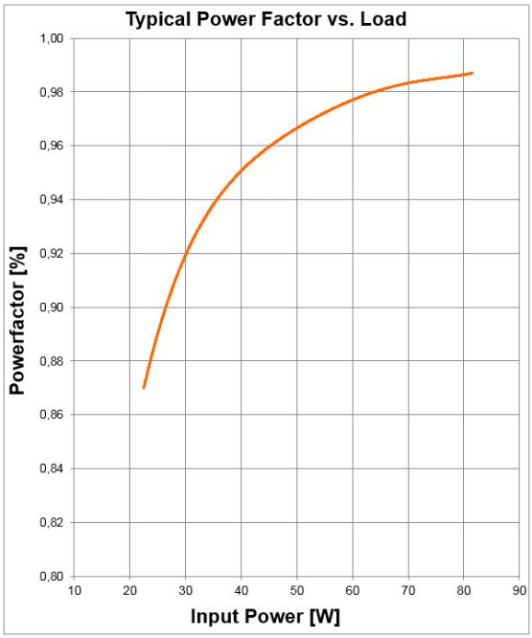
Electrical data

Nominal input voltage	220…240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198…264 V
Input voltage DC	176…276 V
Total harmonic distortion	< 10 %
Power factor λ	0.67C...0.98
Efficiency in full-load	94 % 1)
Device power loss	7.0 W
Networked standby power	not relevant
Inrush current	41 A
Max. ECG no. on circuit breaker 10 A (B)	16
Max. ECG no. on circuit breaker 16 A (B)	26
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Protective conductor current	0.36 mA
Nominal output voltage	54…216 V
U-OUT (working voltage)	< 250 V
Nominal output current	125…550 mA 2)
Default output current	125 mA
Output current tolerance	±3 %
Output ripple current (100 Hz)	< 1 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	10…75 W
Maximum output power	75 W

1) at 230 V, 50 Hz
2) Factory setting: 125 mA

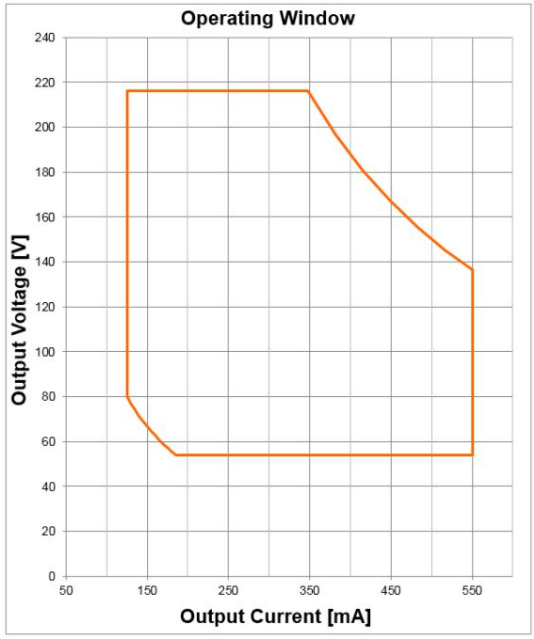
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Typical Power Factor v Load



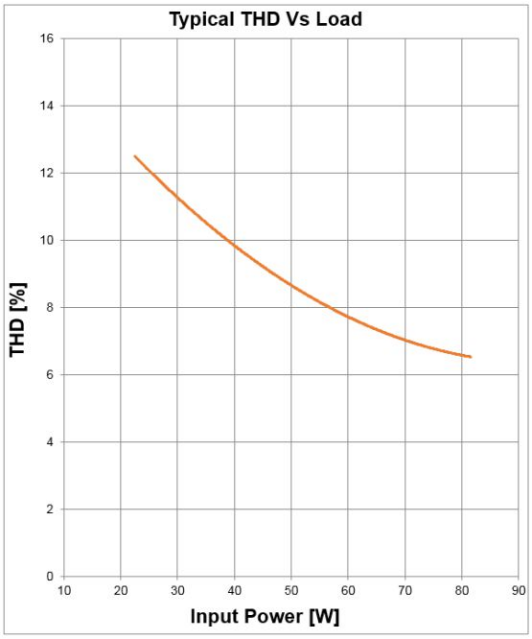
OT FIT 75/220-240/550 D NFC L Typical Power Factor vs. Load

Operating Window



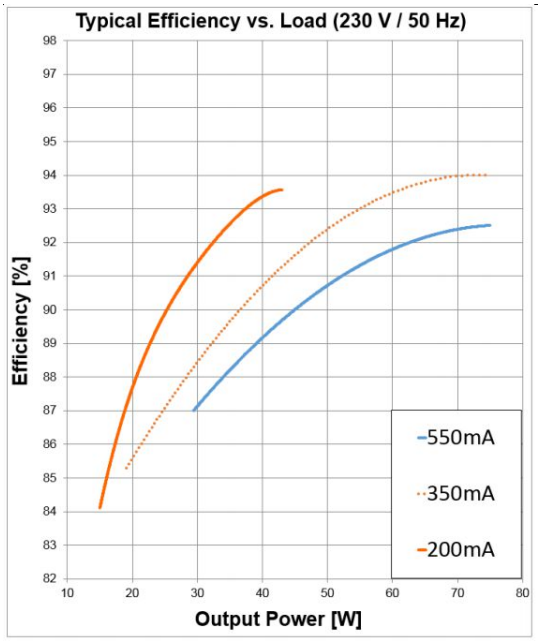
OT FIT 75/220-240/550 D NFC L Operating Window

Typical THD v Load



OT FIT 75/220-240/550 D NFC L Typical THD Vs Load

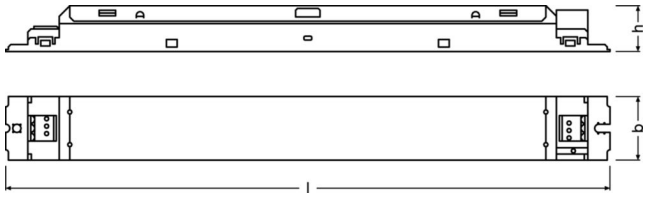
Typical Efficiency v Load 230 V 50 Hz



OT FIT 75/220-240/550 D NFC L Typical Efficiency vs. Load (230 V / 50 Hz)

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Dimensions & weight



Product weight	203.00 g
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Cable cross-section, input side	0.5…1.5 mm²
Cable cross-section, output side	0.5…1.5 mm²
Wire preparation length, input side	8.0…9.0 mm
Wire preparation length, output side	8.0…9.0 mm

Colors & materials

Casing material	Metal

Temperatures & operating conditions

Ambient temperature range	-25…+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40…+85 °C
Permitted rel. humidity during operation	5…85 % [1)]

1) Maximum 56 days/year at 85 %

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Lifespan

ECG lifetime	50000 h / 100000 h [1)]

1) At maximum T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Capabilities

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

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

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Programming

Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes
Box programming	Yes

Certificates & standards

Approval marks – approval	CE / EL / VDE-ENEC / EAC / CCC / BIS / RCM
Standards	EN 61347-1 / EN 61347-2-13 / EN 62384 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
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	12-06-2026
Primary Article Identifier	4052899990180 | 6937186100429
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

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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.

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Download Data

File		
Certificates	PDF	▸CED OT FIT xx NFC L family 2025-02
Certificates	PDF	▸VDE ENEC certificate 40038085
CAD data 3-dim	PDF	▸OT FIT BIN CW NFC IP20 NIS 75 220-240 12 | 3-dim PDF
CAD data 2-dim	PDF	▸OT FIT BIN CW NFC IP20 NIS 75 220-240 12 | 2-dim PDF
CAD data	UNKNOWN	▸OT FIT BIN CW NFC IP20 NIS 75 220-240 12 | IGS
CAD data	UNKNOWN	▸OT FIT BIN CW NFC IP20 NIS 75 220-240 12 | STEP
Mandatory Publications	PDF	▸OT FIT D NFC L CE 3694918 11 200125
User instruction	PDF	▸OPTOTRONIC LED Power Supply

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186100429 INVENTRONICS	OT FIT 75/220-240/550 D NFC L	Shipping carton box 20 Pieces	303 x 159 x 105 mm	5.06 dm³	182.35 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

Disclaimer

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

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Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 75/220-240/550 D NFC L	PRH101 -USB	►6977078996938
OT FIT 75/220-240/550 D NFC L	PRH101 -USB	►6937186112354
OT FIT 75/220-240/550 D NFC L	CPR30+	►6977078996945
OT FIT 75/220-240/550 D NFC L	CPR30+	►6937186112378

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