

## OT FIT 35/220-240/350 D NFC L (NEW)

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  $T_c = 65\text{ °C}$ , 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

### 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

## Technical data

### Electrical data

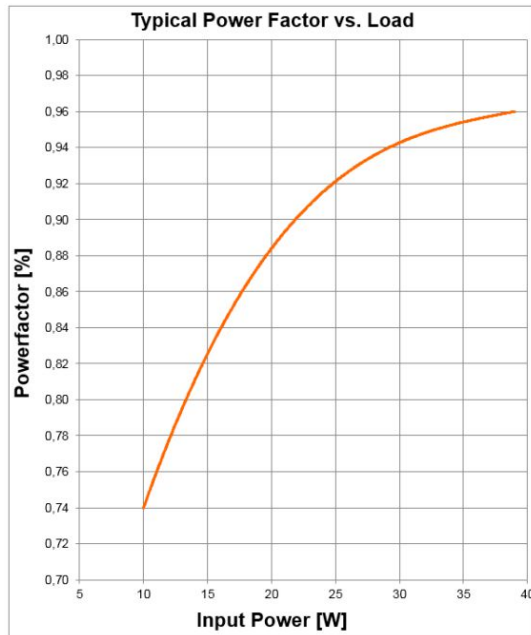
Nominal input voltage	220...240 V
Nominal output current	75...350 mA <sup>1)</sup>
Nominal output power	6.1...35 W
Nominal output voltage	54...216 V
Maximum output power	35 W
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Default output current	75 mA
Device power loss	4.0 W
Efficiency in full-load	91 % <sup>2)</sup>
Inrush current	30 A
Networked standby power	not relevant
Max. ECG no. on circuit breaker 10 A (B)	19
Max. ECG no. on circuit breaker 16 A (B)	30
Output current tolerance	±3 %
Output PSTLM	≤1
Output ripple current (100 Hz)	< 1 %
Output SVM	≤0.4
Power factor λ	0.65C...0.97
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Total harmonic distortion	< 10 %
U-OUT (working voltage)	< 250 V
Current set	NFC <sup>3)</sup>

1) Factory setting: 75 mA

2) at 230 V, 50 Hz

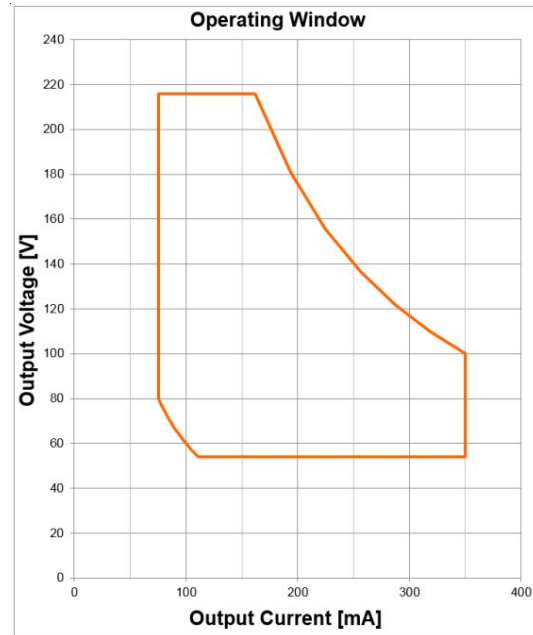
3) Factory setting: minimum nominal output current

## Typical Power Factor v Load



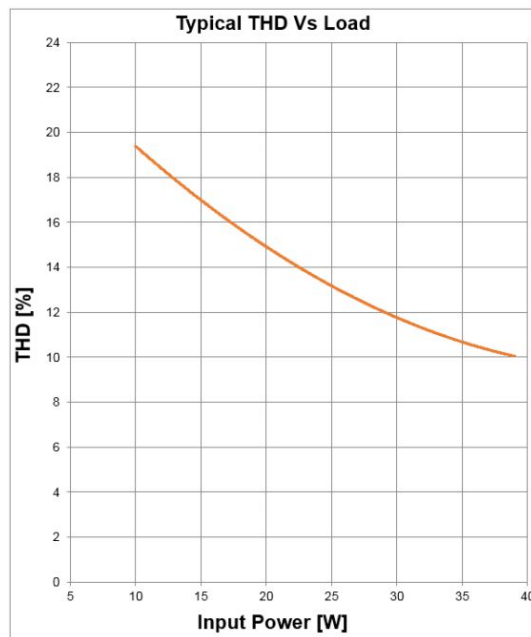
OT FIT 35/220-240/350 D NFC L Typical Power Factor vs. Load

## Operating Window



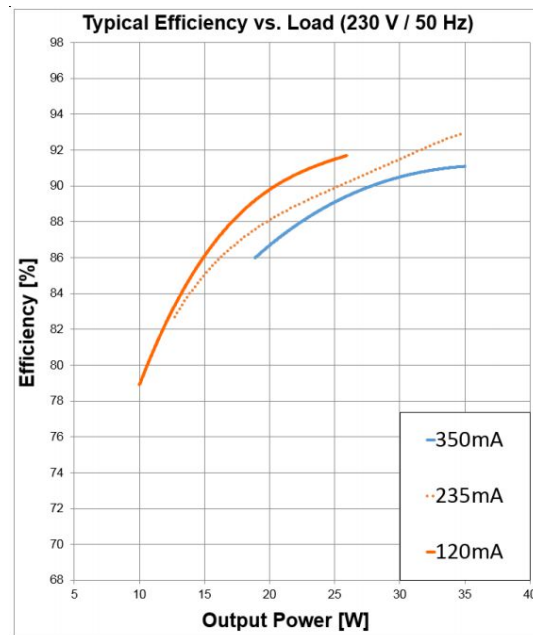
OT FIT 35/220-240/350 D NFC L Operating Window

## Typical THD v Load



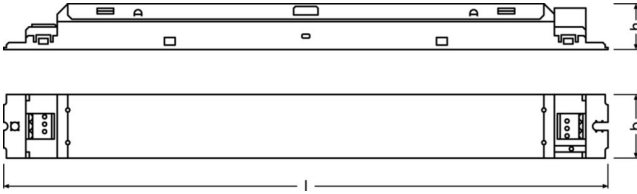
OT FIT 35/220-240/350 D NFC L Typical THD Vs Load

## Typical Efficiency v Load 230 V 50 Hz



OT FIT 35/220-240/350 D NFC L Typical Efficiency vs. Load (230 V / 50 Hz)

## Dimensions & weight



<b>Length</b>	280.0 mm
<b>Height</b>	21.0 mm
<b>Width</b>	30.0 mm
<b>Product weight</b>	185.00 g
<b>Cable cross-section, input side</b>	0.5...1.5 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	0.5...1.5 mm <sup>2</sup>
<b>Wire preparation length, input side</b>	8.0...9.0 mm
<b>Wire preparation length, output side</b>	8.0...9.0 mm
<b>Mounting hole spacing, length</b>	270.0 mm

## Colors & materials

<b>Casing material</b>	Metal
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## Temperatures & operating conditions

<b>Ambient temperature range</b>	-25...+60 °C
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Maximum temperature at tc test point</b>	75 °C
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>1)</sup>
<b>Temperature range at storage</b>	-40...+85 °C

1) Maximum 56 days/year at 85 %

## Lifespan

<b>ECG lifetime</b>	50000 h / 100000 h <sup>1)</sup>
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1) At maximum  $T_c = 75^\circ\text{C}$  / 10% failure rate / At  $T_c = 65^\circ\text{C}$  / 10% failure rate

## Additional product data

<b>Encapsulated</b>	No
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## Capabilities

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

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

## Programming

Box programming	Yes
Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes

## Certificates & standards

Type of protection	IP20
Approval marks – approval	CE / EL / VDE-ENEC / EAC / CCC / BIS / RCM
Standards	Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 62384 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 61547

## Logistical data

Commodity code	85044083900
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## Environmental information

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

Declaration No. in SCIP database	In work
Date of Declaration	25-09-2024
Primary Article Identifier	4052899990166
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	▶ OT ENEC 40038085 230824
Certificates	PDF	▶ EATON(CEAG)-Conformity declaration AM10972 OT FIT 35/220-240/350 D NFC L
Certificates	PDF	▶ INOTEC-Conformity declaration AM10972 OT FIT 35/220-240/350 D NFC L
CAD data 3-dim	Compressed	▶ OT FIT D NFC L CAD3PDF 251119
CAD data 2-dim	Compressed	▶ OT FIT D NFC L CAD2PDF 251119
CAD data	Compressed	▶ OT FIT D NFC L IGS 251119
CAD data	Compressed	▶ OT FIT D NFC L STEP 251119
Mandatory Publications	PDF	▶ OT FIT D NFC L UK DoC 4281277 02 080923
Mandatory Publications	PDF	▶ OT FIT D NFC L CE 3694918 161023
User instruction	PDF	▶ OPTOTRONIC LED Power Supply

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899990166	OT FIT 35/220-240/350 D NFC L	Shipping carton box 20 Pieces	305 x 161 x 104 mm	5.11 dm <sup>3</sup>	193.85 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 35/220-240/350 D NFC L	PRH101 -USB	▶ 6977078996938
OT FIT 35/220-240/350 D NFC L	CPR30 -USB	▶ 6977078996945

## Disclaimer

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