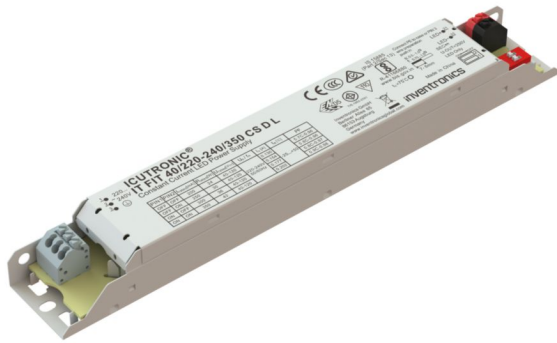


## OT FIT 35/220-240/350 D NFC L

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  $T_c = 65^\circ\text{C}$ , 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

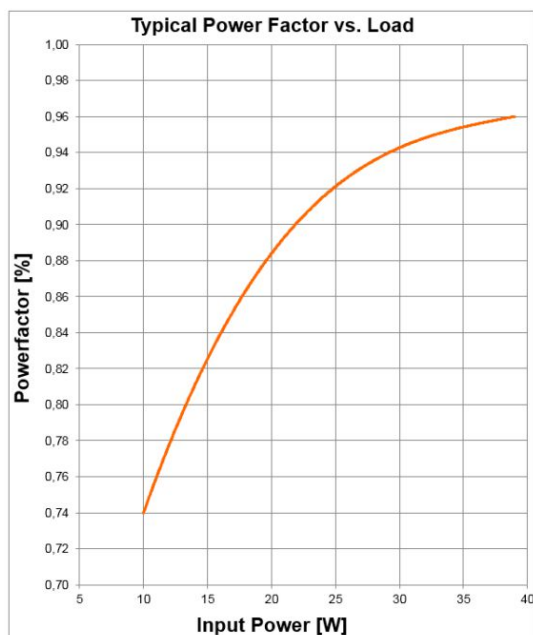
### Electrical data

|                                          |                           |
|------------------------------------------|---------------------------|
| Nominal input voltage                    | 220...240 V               |
| Mains frequency                          | 0/50/60 Hz                |
| Input voltage AC                         | 198...264 V               |
| Input voltage DC                         | 176...276 V               |
| Total harmonic distortion                | < 10 %                    |
| Power factor $\lambda$                   | 0.65C...0.97              |
| Efficiency in full-load                  | 91 % <sup>1)</sup>        |
| Device power loss                        | 4.0 W                     |
| Networked standby power                  | not relevant              |
| Inrush current                           | 30 A                      |
| Max. ECG no. on circuit breaker 10 A (B) | 19                        |
| Max. ECG no. on circuit breaker 16 A (B) | 30                        |
| Surge capability (L-N)                   | 1 kV                      |
| Surge capability (L/N-Ground)            | 2 kV                      |
| Protective conductor current             | 0.39 mA                   |
| Nominal output voltage                   | 54...216 V                |
| U-OUT (working voltage)                  | < 250 V                   |
| Nominal output current                   | 75...350 mA <sup>2)</sup> |
| Default output current                   | 75 mA                     |
| Output current tolerance                 | ±3 %                      |
| Output ripple current (100 Hz)           | < 1 %                     |
| Output PSTLM                             | ≤1                        |
| Output SVM                               | ≤0.4                      |
| Nominal output power                     | 6.1...35 W                |
| Maximum output power                     | 35 W                      |

1) at 230 V, 50 Hz

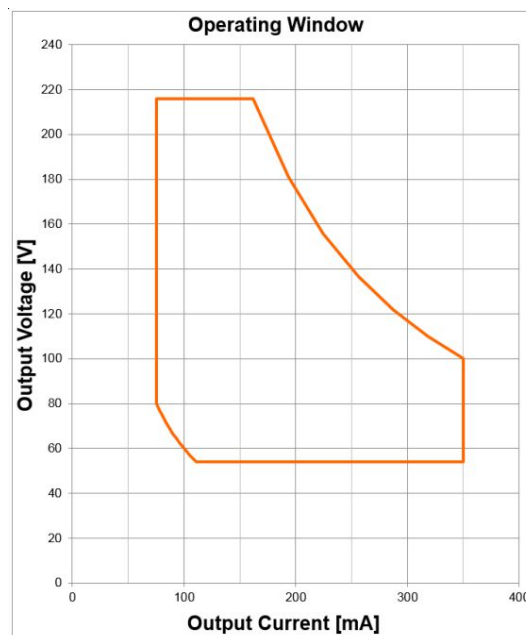
2) Factory setting: 75 mA

## Typical Power Factor v Load



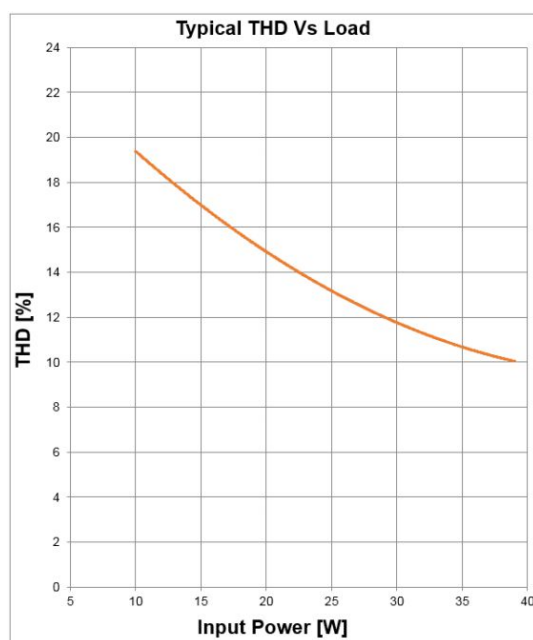
OT FIT 35/220-240/350 D NFC L Typical Power Factor vs. Load

## Operating Window



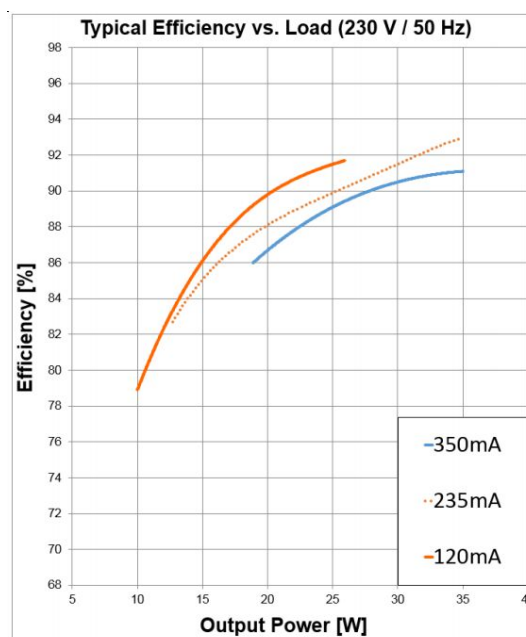
OT FIT 35/220-240/350 D NFC L Operating Window

## Typical THD v Load



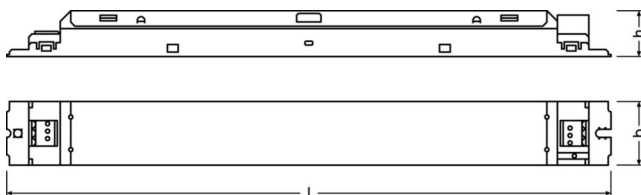
OT FIT 35/220-240/350 D NFC L Typical THD Vs Load

## 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



|                                      |                           |
|--------------------------------------|---------------------------|
| Product weight                       | 185.00 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 mm <sup>2</sup> |
| Cable cross-section, output side     | 0.5...1.5 mm <sup>2</sup> |
| 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...+60 °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 % <sup>1)</sup> |

1) Maximum 56 days/year at 85 %

## Lifespan

|              |                                  |
|--------------|----------------------------------|
| ECG lifetime | 50000 h / 100000 h <sup>1)</sup> |
|--------------|----------------------------------|

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

|              |    |
|--------------|----|
| Encapsulated | No |
|--------------|----|

## Capabilities

|                                        |                      |
|----------------------------------------|----------------------|
| Programming interface                  | NFC                  |
| Dimmable                               | No                   |
| Constant lumen function                | No                   |
| Max. cable length to lamp/LED module   | 2.0 m <sup>1)</sup>  |
| 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

## 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                                                             |
| Applicable region | APAC (excl. China, India, Japan) / EUROPE / INDIA / MEA / SOUTH AMERICA |

## Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                               |
|-----------------------------------------------------------------------|-------------------------------|
| Date of Declaration                                                   | 28-07-2026                    |
| Primary Article Identifier                                            | 4052899990166   6937186100405 |
| 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     | ▶ 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                          |

## Logistical Data

| Product code                  | Product description              | Packaging unit<br>(Pieces/Unit)  | Dimensions (length<br>x width x height) | Volume               | Gross weight |
|-------------------------------|----------------------------------|----------------------------------|-----------------------------------------|----------------------|--------------|
| 6937186100405<br>INVENTRONICS | OT FIT 35/220-240/350<br>D NFC L | Shipping carton box<br>20 Pieces | 303 x 159 x 105 mm                      | 5.06 dm <sup>3</sup> | 174.35 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.

## 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 | PRH101 -USB    | ▶ 6937186112354 |
| OT FIT 35/220-240/350 D NFC L | CPR30+         | ▶ 6977078996945 |
| OT FIT 35/220-240/350 D NFC L | CPR30+         | ▶ 6937186112378 |