

## OT FIT 35/220...240/400 D NFC FL

OPTOTRONIC FIT D NFC FL | 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
- Constant Lumen Output (CLO)
- Supply voltage: 220...240 V
- Available with output current range: up to 500 mA
- Non-isolated drivers

### Product family benefits

- Flat housing (16 mm height) for innovative luminaire designs and applications
- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at  $T_c = 65\text{ }^\circ\text{C}$ , max. 10 % failure rate)
- Higher quality of light thanks to < 1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature protection

### Areas of application

- Linear and area lighting
- Industry lighting
- 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        |
| Current set                              | NFC                |
| Power factor $\lambda$                   | > 0.96             |
| Efficiency in full-load                  | 92 % <sup>1)</sup> |
| Device power loss                        | 4.0 W              |
| Inrush current                           | 14.8 mA            |
| Max. ECG no. on circuit breaker 10 A (B) | 22                 |
| Max. ECG no. on circuit breaker 10 A (C) | -                  |
| Max. ECG no. on circuit breaker 16 A (B) | 36                 |
| Max. ECG no. on circuit breaker 16 A (C) | -                  |
| Max. ECG no. on circuit breaker 25 A (B) | -                  |
| Surge capability (L/N-Ground)            | 2 kV               |
| Surge capability (L-N)                   | 1 kV               |
| Nominal output voltage                   | 54...216 V         |
| Nominal output current                   | 75...400 mA        |
| Default output current                   | 75 mA              |
| Output PSTLM                             | $\leq 1$           |
| Output SVM                               | $\leq 0.4$         |
| Nominal output power                     | 6...35 W           |
| Maximum output power                     | 35 W               |
| U-OUT (working voltage)                  | < 250 V            |
| Total harmonic distortion                | < 10 %             |
| Output current tolerance                 | $\pm 3$ %          |
| Output ripple current (100 Hz)           | $\leq 1$ %         |

<sup>1)</sup> at 230 V, 50 Hz

## Dimensions & weight



|   |                           |
|---|---------------------------|
| <b>Mounting hole spacing, length</b>        | 270.0 mm                  |
| <b>Product weight</b>                       | 205.00 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>Length</b>                               | 280.0 mm                  |
| <b>Width</b>                                | 30.0 mm                   |
| <b>Height</b>                               | 16.0 mm                   |

## Colors & materials

|                        |       |
|------------------------|-------|
| <b>Casing material</b> | Metal |
|------------------------|-------|

## Temperatures & operating conditions

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

<sup>1)</sup> Maximum 56 days/year at 85 %

## Lifespan

|                     |                  |
|---------------------|------------------|
| <b>ECG lifetime</b> | 100000 / 50000 h |
|---------------------|------------------|

## Capabilities

|                               |                      |
|-------------------------------|----------------------|
| <b>Dimmable</b>               | No                   |
| <b>Overheating protection</b> | Automatic reversible |

## Product datasheet

|  |                      |
|--|----------------------|
| Overload protection                    | Automatic reversible |
| Short-circuit protection               | Automatic reversible |
| No-load proof                          | Yes                  |
| Intended for no-load operation         | 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                  |
| Constant lumen function                | Programmable         |
| Number of channels                     | 1                    |

<sup>1)</sup> Output wires must be routed as close as possible to each other

### Programming

|                        |      |
|------------------------|------|
| Tuner4TRONIC Field App | Yes  |
| Programming device     | FEIG |

### Certificates & standards

|                           |  |
|---------------------------|--|
| Approval marks – approval | CE / EL / VDE-ENEC / EAC / CCC / RCM / BIS   |
| Standards                 | Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 62386/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547 |
| Type of protection        | IP20   |

### Logistical data






|                |              |
|----------------|--------------|
| Commodity code | 850440839000 |
|----------------|--------------|

### Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |  |
|---|--|
| Date of Declaration   | 14-04-2022   |
| Primary Article Identifier  | 4062172063944  |
| Candidate List Substance 1  | Lead   |
| CAS No. of substance 1  | 7439-92-1  |
| Candidate List Substance 2  | SCCP   |
| CAS No. of substance 2  | 85535-84-8   |
| Safe Use Instruction  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| Declaration No. in SCIP database                                      | e4a51a19-a85e-41bd-a8c8-395a15bca296   |

### Download Data

## Product datasheet

| File  |   |
|---|---|
|  | User instruction<br>OPTOTRONIC LED Power Supply                 |
|  | Certificates<br>OT FIT OTI DALI CB DE1 62965 270220             |
|  | Certificates<br>OT ENEC 40038085 010322                         |
|  | Certificates<br>OT EMC 40044675 031022                          |
|  | Declarations of conformity<br>OT FIT D NFC FL CE 3976681 230322 |

### 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 |
|---------------|-------------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4062172063944 | OT FIT 35/220...240/400<br>D NFC FL | Shipping carton box<br>20    | 309 mm x 175 mm x 78 mm              | 4.22 dm <sup>3</sup> | 4238.00 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.

### Disclaimer

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