

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

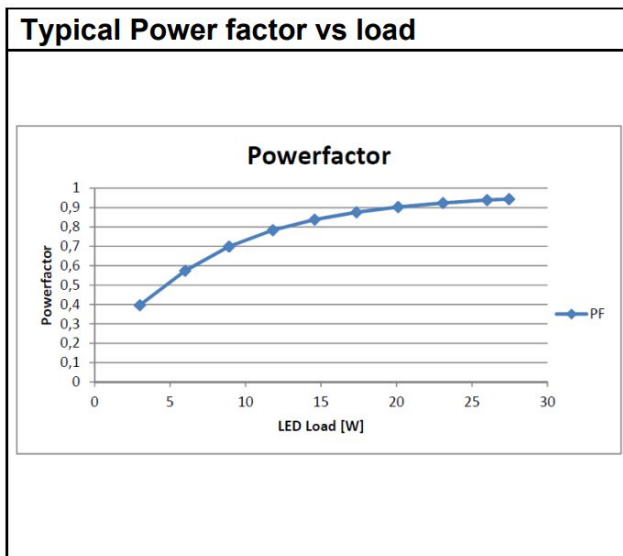
Technical data

Electrical data

| | |
|--|---------------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 0/50/60 Hz |
| Input voltage AC | 198...264 V ¹⁾ |
| Input voltage DC | 176...276 V |
| Nominal input current at 230 V | 0.14 A |
| Total harmonic distortion | < 20 % |
| Power factor λ | > 0.95 ²⁾ |
| Efficiency in full-load | 90 % ³⁾ |
| Device power loss | 3.0 W ⁴⁾ |
| Networked standby power | not relevant |
| Inrush current | not relevant |
| Max. ECG no. on circuit breaker 10 A (B) | 35 |
| Max. ECG no. on circuit breaker 16 A (B) | 56 |
| Surge capability (L-N) | 1 kV |
| Surge capability (L/N-Ground) | 2 kV |
| Protective conductor current | 0.31 mA |
| Nominal output voltage | 54...216 V |
| U-OUT (working voltage) | < 250 V |
| Nominal output current | 125 mA ⁵⁾ |
| Default output current | 125 mA |
| Output current tolerance | ± 10 % |
| Output ripple current (100 Hz) | < 10 % |
| Output PSTLM | ≤ 1 |
| Output SVM | ≤ 0.4 |
| Nominal output power | 6.8...27 W ⁶⁾ |
| Maximum output power | 27 W |

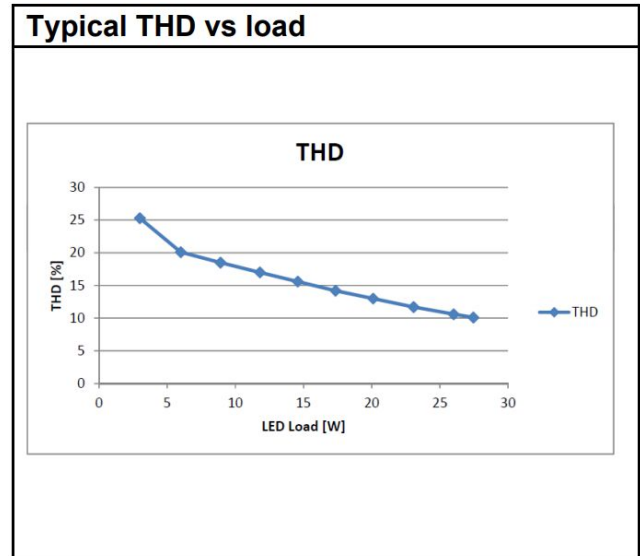
- 1) Permitted voltage range
- 2) Full load at 230 V
- 3) at 230 V, 50 Hz
- 4) Maximum
- 5) ± 10 %
- 6) Partial load 7...27 W

Typical Power Factor v Load



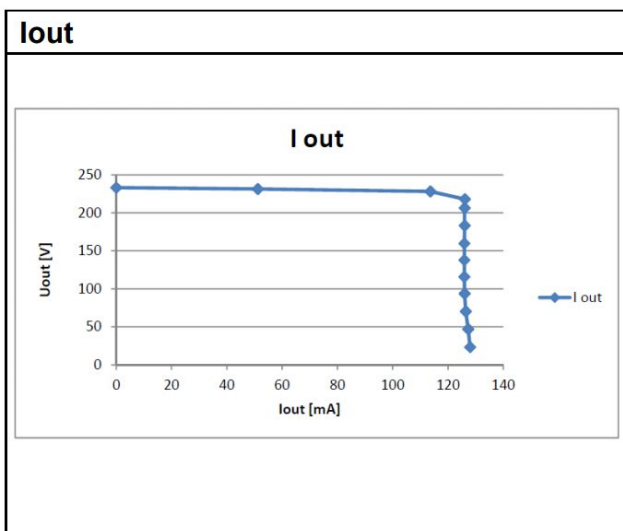
OT FIT 30/220-240/125 D L Typical Power Factor vs. Load

Typical THD v Load



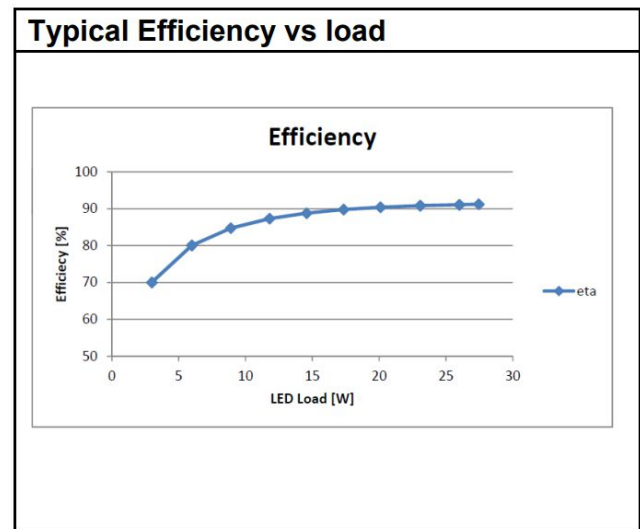
OT FIT 30/220-240/125 D L Typical THD Vs Load

Typical Iout v Rset LEDset2 mode



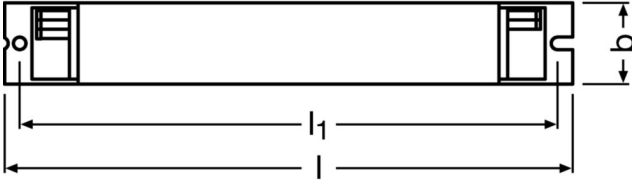
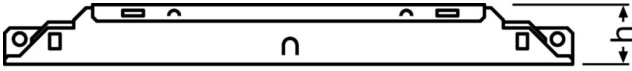
OT FIT 30/220-240/125 D L Typical Iout vs Rset (LEDset2 mode)

Typical Efficiency v Load 230 V 50 Hz



OT FIT 30/220-240/125 D L Typical Efficiency vs. Load (230 V / 50 Hz)

Dimensions & weight



| | |
|--------------------------------------|------------------------------|
| Product weight | 125.00 g |
| Length | 210.0 mm |
| Width | 30.0 mm |
| Height | 21.0 mm |
| Mounting hole spacing, length | 200.0 mm |
| Mounting hole spacing, width | not relevant mm |
| Cable cross-section, input side | 0.5...1.5 mm ^{2 1)} |
| Cable cross-section, output side | 0.5...1.5 mm ^{2 1)} |
| Wire preparation length, input side | 8.5...9.5 mm |
| Wire preparation length, output side | 8.5...9.5 mm |
| Cable/wire length, output side | 2000 mm |

1) Solid or flexible leads

Colors & materials

| | |
|-----------------|-------|
| Casing material | Metal |
| Product color | White |

Temperatures & operating conditions

| | |
|--|------------------------|
| Ambient temperature range | -15...+50 °C |
| Maximum temperature at tc test point | 75 °C ¹⁾ |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range at storage | -25...85 °C |
| Permitted rel. humidity during operation | 5...85 % ²⁾ |

1) Maximum at the Tc-point

2) Maximum 56 days/year at 85 %

Lifespan

| | |
|---------------------|----------------------------------|
| ECG lifetime | 50000 h / 100000 h ¹⁾ |
|---------------------|----------------------------------|

1) At maximum $T_c = 75^\circ\text{C}$ / 10% failure rate / At $T_c = 65^\circ\text{C}$ / 10% failure rate

Capabilities

| | |
|---|----------------------|
| 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

Programming

| | |
|--------------------|--------------|
| Programming device | not relevant |
|--------------------|--------------|

Certificates & standards

| | |
|---------------------------|---|
| Approval marks – approval | CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / RCM |
| Standards | EN 61347-1 / EN 61347-2-13 / EN 55015 / EN 61547 / EN 61000-3-2 / EN 62384 / 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 | 17-10-2024 |
| Primary Article Identifier | 4052899222557 |
| 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 | ▶INOTEC Certificate OT FIT 30/125 D L |
| Certificates | PDF | ▶INOTEC Certificate OT FIT 30/125 D L appendix |
| Certificates | PDF | ▶OT ENEC 40038085 230824 |
| CAD data 3-dim | Compressed | ▶OT FIT D L CAD3PDF 261119 |
| CAD data 2-dim | Compressed | ▶OT FIT D L CAD2PDF 261119 |
| CAD data | Compressed | ▶OT FIT D L IGS 261119 |
| CAD data | Compressed | ▶OT FIT D L STEP 261119 |
| Mandatory Publications | PDF | ▶OT FIT D L CE 4292770 04 160523 |
| Mandatory Publications | PDF | ▶OT FIT D L UK DoC 4289774 01 140222 |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------------|----------------------------------|--------------------------------------|----------------------|--------------|
| 4052899222557 | OT FIT 30/220-240/125 D L | Shipping carton box 20 Pieces | 234 x 161 x 101 mm | 3.81 dm ³ | 133.25 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.