

OT FIT 40/220-240/1A0 NFC

OPTOTRONIC FIT NFC | Constant Current Compact – Non dimmable



Areas of application

- Spot light and down light
- Offices
- Shops
- Hospitality

Product family benefits

- Fast programming / current set via NFC*
- High quality of light thanks to low output ripple current
- Small housing for flexible luminaire designs
- High efficiency

Product family features

- Output current range 150-1050 mA
- NFC Interface
- Low LF-ripple < 5%
- Lifetime: up to 50,000 h (temperature at max. t_c)



Technical data

Electrical data

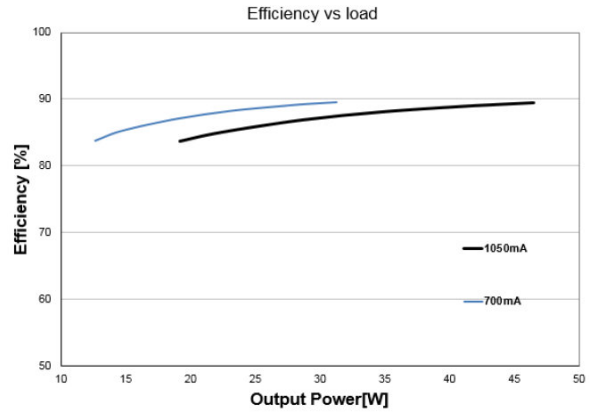
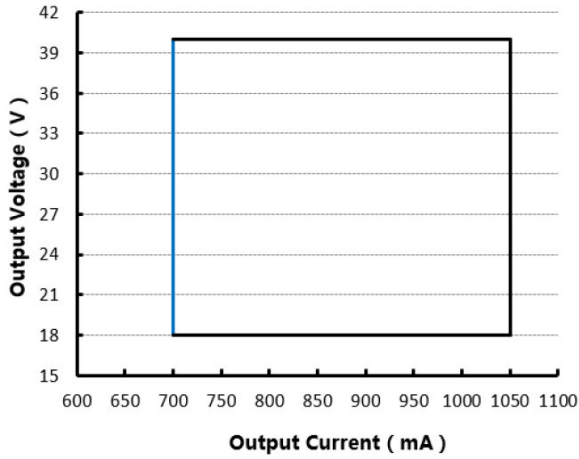
| | |
|--|-----------------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 50/60 Hz |
| Input voltage AC | 198...264 V |
| Total harmonic distortion | < 10 % ¹⁾ |
| Power factor λ | 0.98 |
| ECG efficiency | 89 % ²⁾ |
| Device power loss | 5.5 W |
| Inrush current | 20 A ³⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 15 |
| Max. ECG no. on circuit breaker 10 A (C) | - |
| Max. ECG no. on circuit breaker 16 A (B) | 25 |
| 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 | 18...40 V |
| U-OUT (working voltage) | 60 V |
| Nominal output current | 700...1050 mA ⁴⁾ |
| Output current tolerance | ±7.5 % |
| Output ripple current (100 Hz) | < 5 % |
| Output PSTLM | ≤1 |
| Output SVM | ≤0.4 |
| Nominal output power | 12.6...42 W |
| Galvanic isolation | SELV |
| Current set | NFC |

¹⁾ At full load

²⁾ Full load, 220 - 240 V, 50 Hz

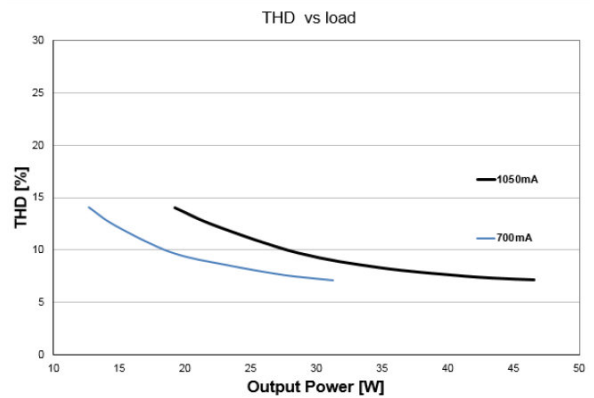
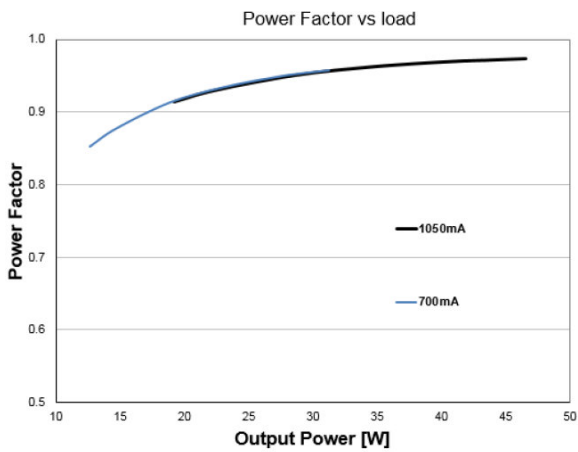
³⁾ $t_h=200 \mu s$

⁴⁾ ±7.5%



Operating Window

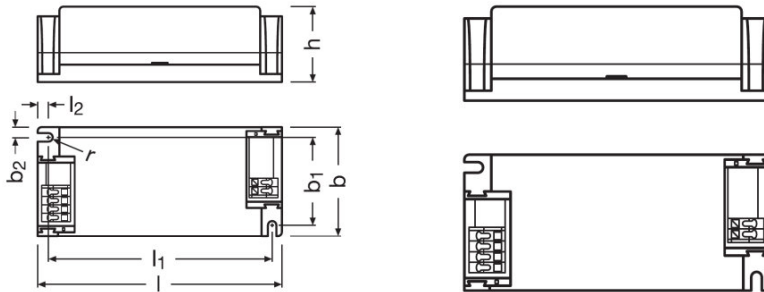
Typical Efficiency v Load 230 V 50 Hz



Typical Power Factor v Load

Typical THD v Load

Dimensions & weight



| | |
|---|---|
| Mounting hole spacing, length | 88.0 mm |
| Mounting hole spacing, width | 34.0 mm |
| Product weight | 120.00 g |
| Cable cross-section, input side | 0.5...1.5 / 0.75...1.5 mm ^{2 1)} |
| Cable cross-section, output side | 0.5...1.5 / 0.75...1.5 mm ^{2 1)} |
| Wire preparation length, input side | 7...8 mm |
| Wire preparation length, output side | 7...8 mm |
| Length | 97.0 mm |
| Width | 43.0 mm |
| Height | 29.5 mm |

¹⁾ Solid/ Flexible Leads

Colors & materials

| | |
|------------------------|---------|
| Casing material | Plastic |
|------------------------|---------|

Temperatures & operating conditions

| | |
|---|----------------------------|
| Ambient temperature range | -20...+50 °C ¹⁾ |
| Maximum temperature at tc test point | 80 °C |
| 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⁾ 700-900mA

²⁾ Non-condensing

Lifespan

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

¹⁾ At $T_c = 80^\circ\text{C} / 0.2\% / 1,000\text{ h failure rate} / T_c = 70^\circ\text{C}, 0.1\% / 1,000\text{ h failure rate}$

Product datasheet

Additional product data

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

Capabilities

| | |
|--|----------------------|
| Dimmable | No |
| Overheating protection | Automatic reversible |
| Overload protection | Yes |
| Short-circuit protection | Yes |
| No-load proof | Yes |
| Max. cable length to lamp/LED module | 2.0 m |
| Suitable for fixtures with prot. class | I / II |
| Type of connection, input side | Push terminal |
| Type of connection, output side | Push terminal |
| Number of channels | 1 |

Programming

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

Certificates & standards




| | |
|---------------------------|--|
| Approval marks – approval | CCC / CE / ENEC ¹⁾ |
| Standards | Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547/Acc. to EN 55015, CISPR 15/Acc. to EN 62386 |
| Type of protection | IP20 |

¹⁾ In preparation

Logistical data

| | |
|----------------|--------------|
| Commodity code | 850440829000 |
|----------------|--------------|

Download Data

| File | |
|---|--|
|  | User instruction OPTOTRONIC LED Power Supply |
|  | Product Datasheet OT FIT 40 NFC DS 050820 |
|  | Declarations of conformity OT FIT NFC CE 4211505 140520 |

Product datasheet

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899617193 | OT FIT 40/220-240/1A0 NFC | Shipping carton box 20 | 228 mm x 208 mm x 78 mm | 3.70 dm ³ | 2506.00 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.