

OT FIT 100/220...240/700 D NFC IND L

OPTOTRONIC FIT D NFC IND 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 150 W
- Supply voltage: 220...240 V
- Available with output current range: up to 1,000 mA
- Constant Lumen Output (CLO)
- Non-isolated drivers
- Constant Lumen Output (CLO)

Product family benefits

- Flexible and future-proof current setting via NFC and LT2
- Lifetime: up to 100,000 h (temperature at $T_c = 75^\circ\text{C}$, max. 10 % failure rate)
- Wide operating temperature range: $-40...+65^\circ\text{C}$
- High quality of light thanks to $<1\%$ output ripple current
- High surge protection: up to 4 kV (L-N) / 4 kV (L/N-PE)
- Very high efficiency (up to 96%)
- Integrated inrush current limiter
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Areas of application

- Linear lighting solutions for industry, storage areas and retail applications
- 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

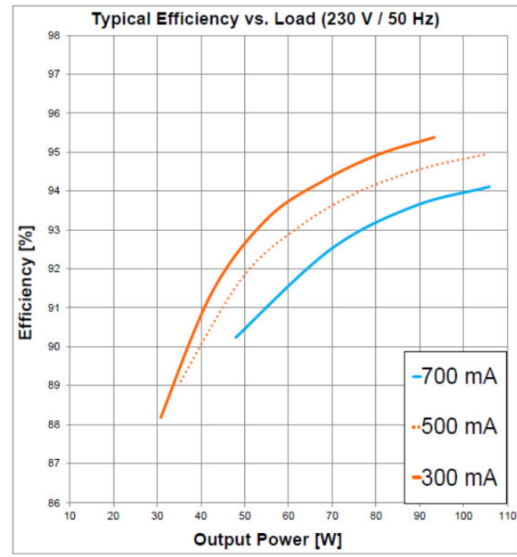
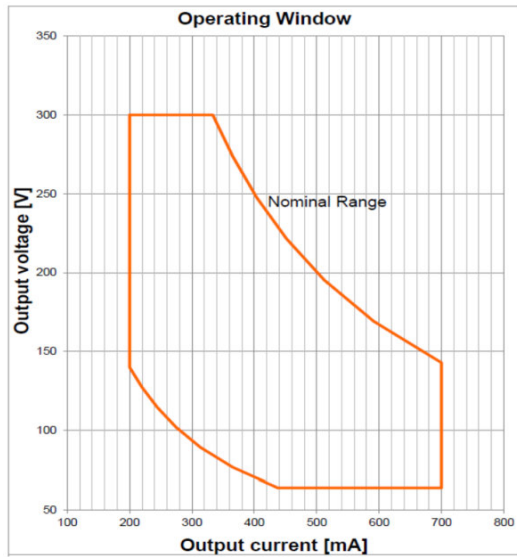


Technical data

Electrical data

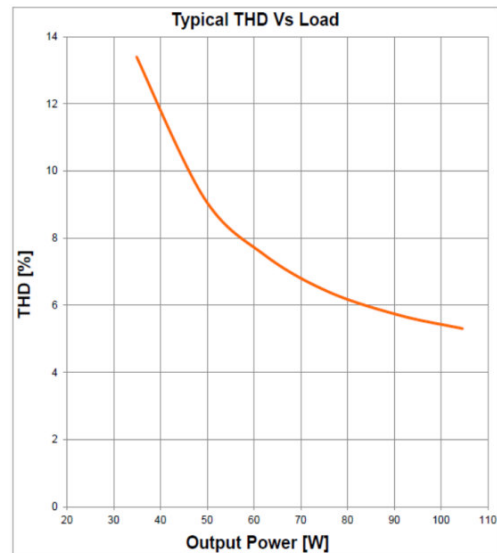
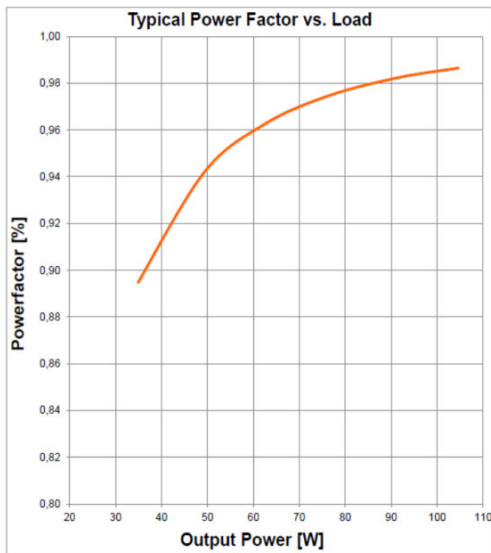
Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Current set	LEDset / NFC
Power factor λ	> 0.98
ECG efficiency	up to 96 %
Device power loss	9.0 W
Inrush current	4 A
Max. ECG no. on circuit breaker 10 A (B)	20
Max. ECG no. on circuit breaker 16 A (B)	32
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	4 kV
Surge capability (L-N)	4 kV
Nominal output voltage	64...300 V
Nominal output current	200...700 mA
Default output current	100 mA ¹⁾
Output ripple current (100 Hz)	< 1 %
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	28...100 W
Galvanic isolation	Non isolated

¹⁾ LEDset deactivated



OT FIT 100220-240700 D NFC IND Operating Window

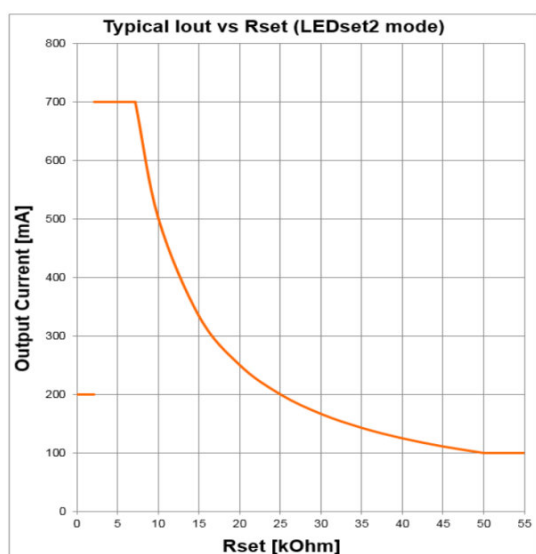
OT FIT 100220-240700 D NFC IND Typical Efficiency vs. Load (230 V 50 Hz)



OT FIT 100220-240700 D NFC IND Typical Power Factor vs. Load

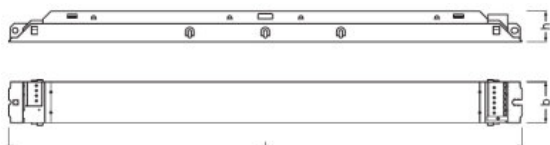
OT FIT 100220-240700 D NFC IND Typical THD Vs Load

Product datasheet



OT FIT 100220-240700 D NFC IND Typical Iout vs Rset (LEDset2 mode)

Dimensions & weight



Mounting hole spacing, length	350.0 mm
Product weight	260.00 g
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	8.0...9.0 mm
Length	360.0 mm
Width	30.0 mm
Height	21.0 mm

Temperatures & operating conditions

Ambient temperature range	-40...+70 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 / 100000 h ¹⁾
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¹⁾ At maximum $T_c = 85^\circ\text{C}$ / 10% failure rate / At $T_{\text{case}} = 75^\circ\text{C}$ at T_c point / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	5.0 m
Suitable for fixtures with prot. class	I
Number of channels	1

Programming

Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes
Programming device	NFC / LEDset

Certificates & standards














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
Type of protection	IP20

Logistical data

Commodity code	850440829000
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Product datasheet

Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet Product datasheet OT FIT 100 IND
	Certificates OT EMC 40050085 200220
	Certificates OT ENEC 40038085 130720
	Certificates OT EMC 40044675 010321
	Declarations of conformity OT FIT D NFC IND L UK DoC 4281285 120221
	Declarations of conformity OT FIT D NFC IND L CE 3695761 120221
	Declarations of conformity INOTEC-Conformity declaration AM16013 OT FIT 100 220-24 700 D NFC IND L (EN)
	Declarations of conformity EATON(CEAG) Conformity declaration AM16013 OT FIT 100 220-240 700 D NFC IND L (EN)
	CAD data OT FIT D NFC IND L IGS 281119
	CAD data OT FIT D NFC IND L STEP 281119
	CAD Data 2-dim OT FIT D NFC IND L CAD2PDF 281119
	CAD data 3-dim OT FIT D NFC IND L CAD3PDF 281119

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899990128	OT FIT 100/220...240/700 D NFC IND L	Shipping carton box 20	385 mm x 160 mm x 100 mm	6.16 dm ³	5375.00 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.

Product datasheet

Disclaimer

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