

## OT FIT 25/220-240/700 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

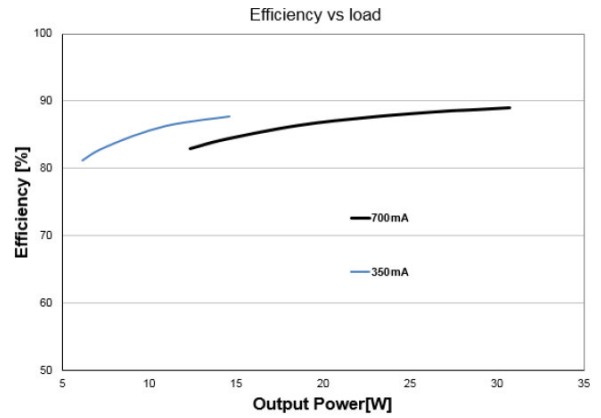
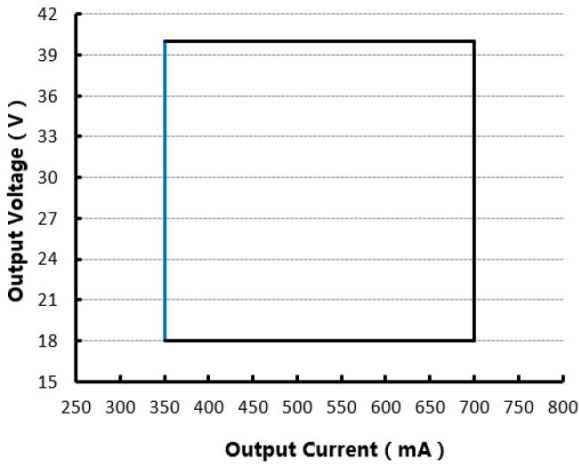
Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 10 % <sup>1)</sup>
Power factor $\lambda$	0.98
ECG efficiency	89 % <sup>2)</sup>
Device power loss	3.6 W
Inrush current	20 A <sup>3)</sup>
Max. ECG no. on circuit breaker 10 A (B)	20
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	30
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	350...700 mA <sup>4)</sup>
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	6.3...28 W
Galvanic isolation	SELV
Current set	NFC

<sup>1)</sup> At full load

<sup>2)</sup> Full load, 220 - 240 V, 50 Hz

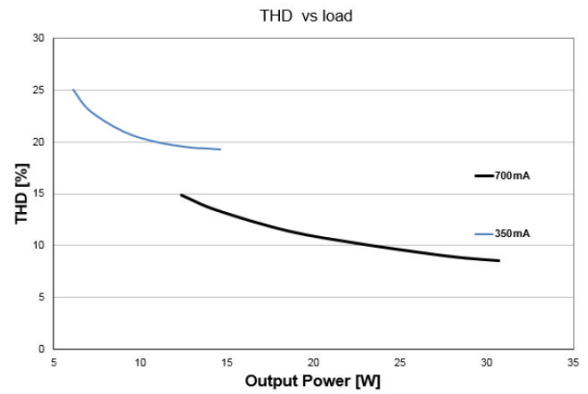
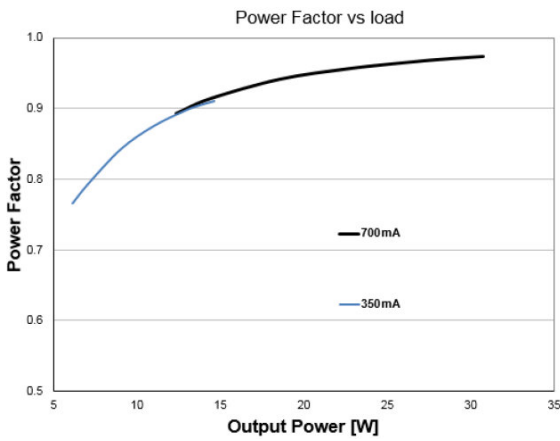
<sup>3)</sup>  $t_h=200 \mu s$

<sup>4)</sup> ±7.5%



Operating Window

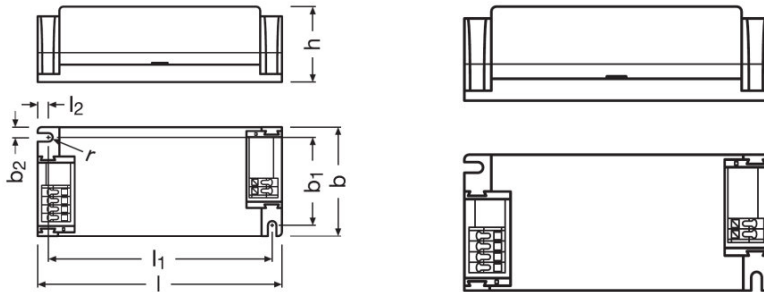
Typical Efficiency v Load 230 V 50 Hz



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 <sup>2 1)</sup>
Cable cross-section, output side	0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup>
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

<sup>1)</sup> Solid/ Flexible Leads

## Colors & materials

Casing material	Plastic
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## Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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 % <sup>1)</sup>

<sup>1)</sup> Non-condensing

## Lifespan

ECG lifetime	50000 / 100000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_c = 80^\circ\text{C}$  / 0.2% / 1,000 h failure rate /  $T_c = 70^\circ\text{C}$ , 0.1% / 1,000 h failure rate

## Additional product data

## Product datasheet

Encapsulated	No
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### 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 <sup>1)</sup>
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

<sup>1)</sup> In preparation

### Logistical data

Commodity code	850440829000
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### Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet OT FIT 25 NFC DS 050820
	Declarations of conformity OT FIT NFC CE 4211505 140520

## Product datasheet

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899617186	OT FIT 25/220-240/700 NFC	Shipping carton box 20	228 mm x 208 mm x 78 mm	3.70 dm <sup>3</sup>	2506.00 g

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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.

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### Disclaimer

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