

## OT FIT 40/220-240/1A0 NFC (NEW)

OPTOTRONIC FIT NFC | Compact constant current LED driver – Non dimmable



### Product family features

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

### 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

## Areas of application

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

## Technical data

### Electrical data

Nominal input voltage	220...240 V
Nominal output current	700...1050 mA <sup>1)</sup>
Nominal output power	12.6...42 W
Nominal output voltage	18...40 V
Maximum output power	42 W
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	not relevant
Default output current	700 mA
Device power loss	5.5 W
Efficiency in full-load	88 % <sup>2)</sup>
Galvanic isolation primary/secondary	SELV
Inrush current	20 A <sup>3)</sup>
Max. ECG no. on circuit breaker 10 A (B)	15
Max. ECG no. on circuit breaker 16 A (B)	25
Output current tolerance	±7.5 %
Output PSTLM	≤1
Output ripple current (100 Hz)	< 5 %
Output SVM	≤0.4
Power factor λ	0.85C...0.98
Protective conductor current	not relevant
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Total harmonic distortion	< 10 % <sup>4)</sup>
U-OUT (working voltage)	60 V
Current set	NFC

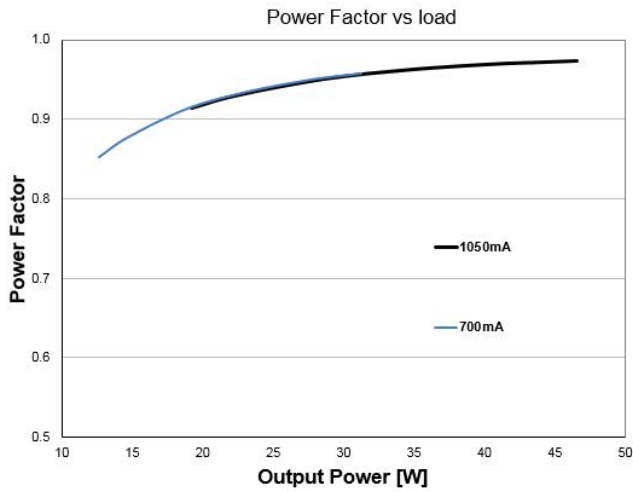
1) ±7.5%

2) at 230 V, 50 Hz

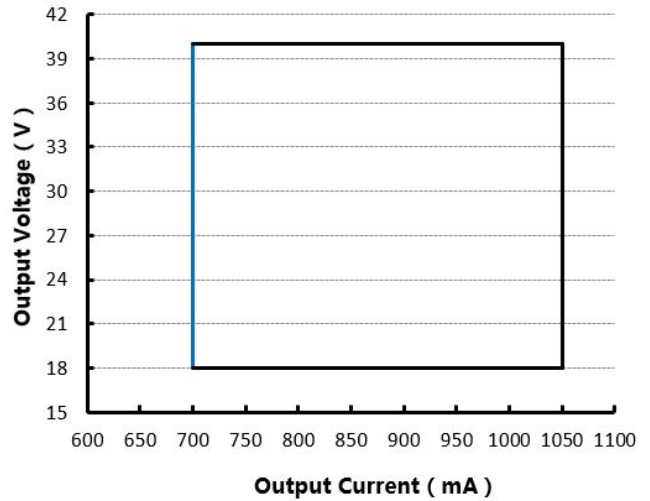
3)  $t_h=200 \mu s$

4) At full load

## Typical Power Factor v Load



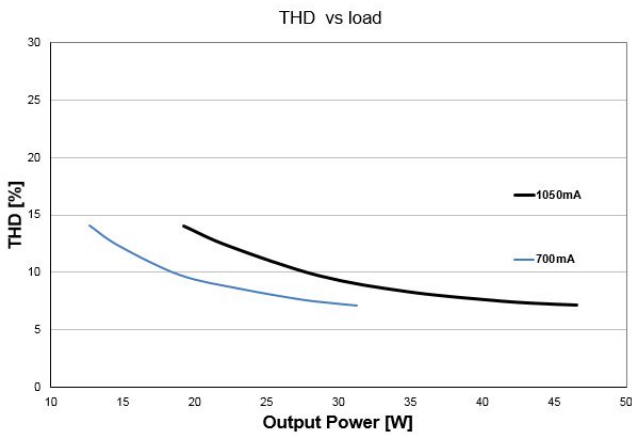
## Operating Window



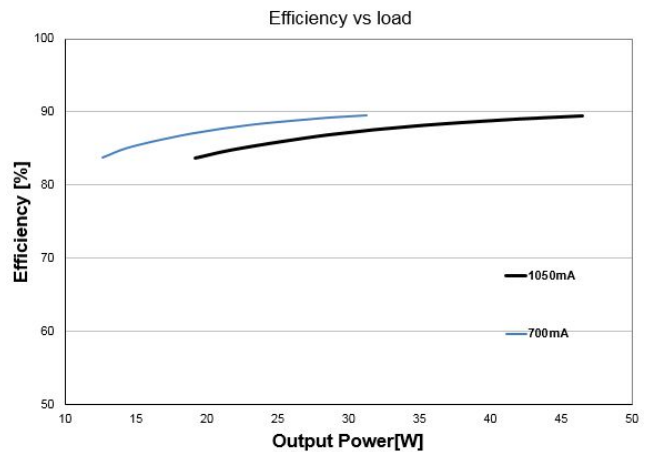
OT FIT 40 NFC Typical Power Factor vs. Load

OT FIT 40 NFC Operating Window

## Typical THD v Load



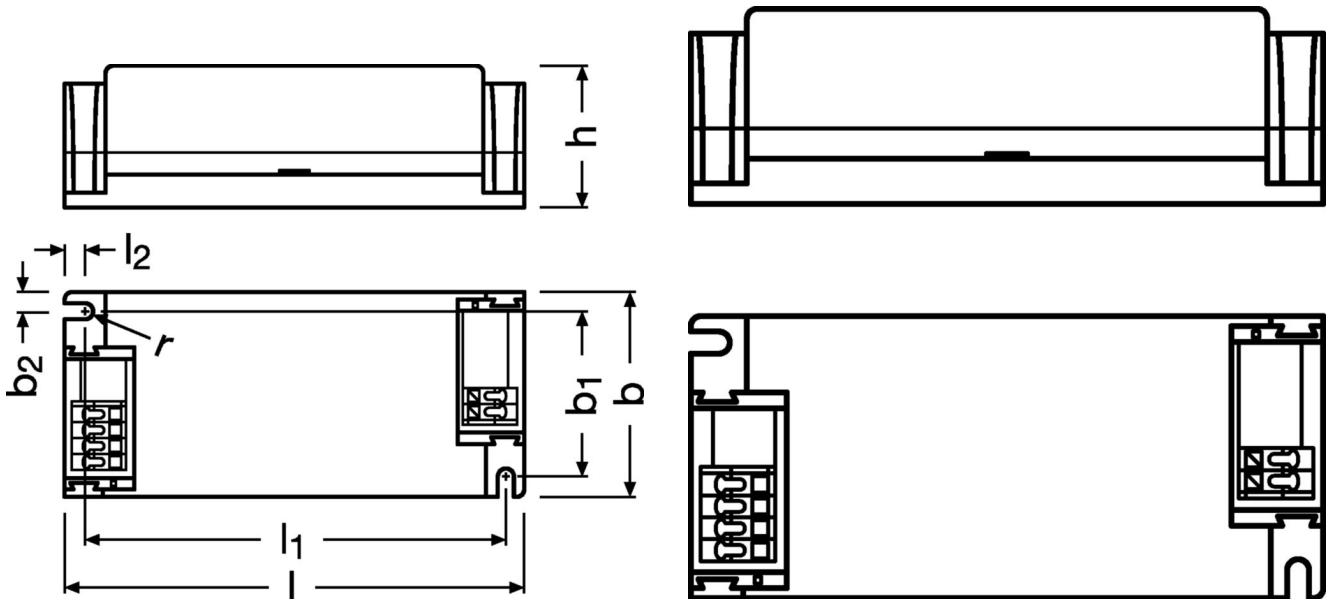
## Typical Efficiency v Load 230 V 50 Hz



OT FIT 40 NFC Typical THD Vs Load

OT FIT 40 NFC Typical Efficiency vs. Load (230 V / 50 Hz)

## Dimensions & weight



Length	97.0 mm
Height	29.5 mm
Width	43.0 mm
Product weight	140.00 g
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup> / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup> / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Mounting hole spacing, length	88.0 mm
Mounting hole spacing, width	34.0 mm

1) Solid/ Flexible Leads

## Colors & materials

Casing material	Plastic
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## Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Max.housing temperature in case of fault	110 °C
Maximum temperature at tc test point	80 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>
Temperature range at storage	-25...85 °C

1) Non-condensing

## Lifespan

<b>ECG lifetime</b>	50000 h / 100000 h <sup>1)</sup>
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1) 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

<b>Predecessor EAN</b>	4052899957015
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## Capabilities

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

1) Output wires must be routed as close as possible to each other

## Programming

Box programming	Yes
Programming device	NFC
Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes

## Certificates & standards

Type of protection	IP20
Approval marks – approval	CCC / CE / ENEC
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

## Logistical data

Commodity code	85044083900
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## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Declaration No. in SCIP database	In work
Date of Declaration	29-07-2024
Primary Article Identifier	4052899617193
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	▶IT DALI OT FIT ENEC 35 113246 02 120723
CAD data 3-dim	Compressed	▶OT FIT NFC CAD3PDF 110624
CAD data	Compressed	▶OT FIT NFC STEP 110624
Mandatory Publications	PDF	▶OT FIT NFC CE 4211505 05 200923
Mandatory Publications	PDF	▶OT FIT NFC UK DoC 4281077 01 220823
User instruction	PDF	▶UI OT FIT NFC

## 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 Pieces	208 x 158 x 107 mm	3.52 dm <sup>3</sup>	145.75 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

## Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 40/220-240/1A0 NFC	OT CABLE CLAMP D-STYLE	▶ 4052899077904
OT FIT 40/220-240/1A0 NFC	OT CABLE CLAMP D-STYLE	▶ 4062172345507
OT FIT 40/220-240/1A0 NFC	OT CABLE CLAMP D-STYLE TL	▶ 4062172349185
OT FIT 40/220-240/1A0 NFC	PRH101 -USB	▶ 6977078996938
OT FIT 40/220-240/1A0 NFC	CPR30 -USB	▶ 6977078996945

## Disclaimer

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