

The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

OT FIT 380/220-400/1A4 D NFC HC L

OPTOTRONIC FIT D NFC HC L | Linear / Area Constant Current – Non dimmable



Product family features

- Line frequency: 47.5...60 Hz
- Versatile scope of application due to output power range of up to 380 W
- Supply voltage: 220...240 V / 277 V / 400 V
- Available with output current range: up to 1,400 mA
- Non-isolated drivers

Product family benefits

- Global usage - CE & cURus approval
- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, max. 10 % failure rate)
- Higher quality of light thanks to < 1% output ripple current
- Very high efficiency (up to 97%)
- Protection against 4 kV burst and 2 kV surge voltage (L-N and L-N/PE)

Areas of application

- Linear and area lighting
- Greenhouse lighting
- Industry lighting
- Suitable for luminaires of protection class I

Technical data

Electrical data

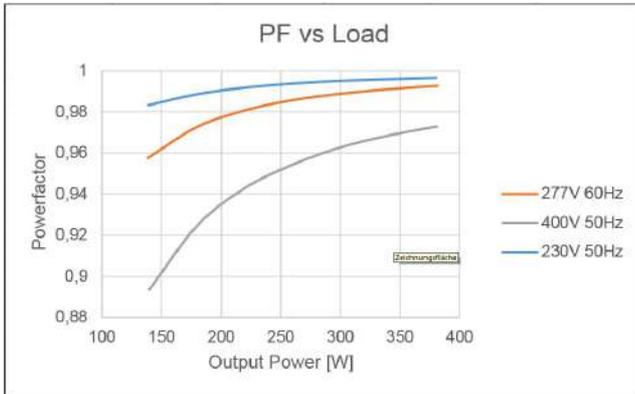
Nominal input voltage	220...240/277/400 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	not relevant
Total harmonic distortion	< 10 %
Power factor λ	> 0.99
Efficiency in full-load	97 % ¹⁾
Device power loss	20 W
Networked standby power	not relevant
Inrush current	$\leq 11 \text{ A} / \leq 19 \text{ A}^{2)}$
Max. ECG no. on circuit breaker 10 A (B)	8
Max. ECG no. on circuit breaker 16 A (B)	13 ³⁾
Surge capability (L-N)	2 kV
Surge capability (L/N-Ground)	2 kV
Protective conductor current	0.39 mA
Nominal output voltage	150...550 V
U-OUT (working voltage)	600 V
Nominal output current	400...1400 mA
Default output current	400 mA
Output current tolerance	$\pm 5 \%$
Output ripple current (100 Hz)	< 1 %
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	140...380 W
Maximum output power	380 W

1) at 400 V, 50 Hz

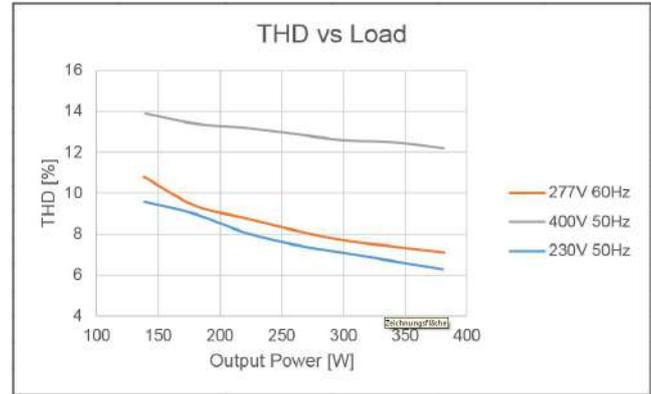
2) At 230V / At 400V

3) At 230 V

Typical Power Factor v Load



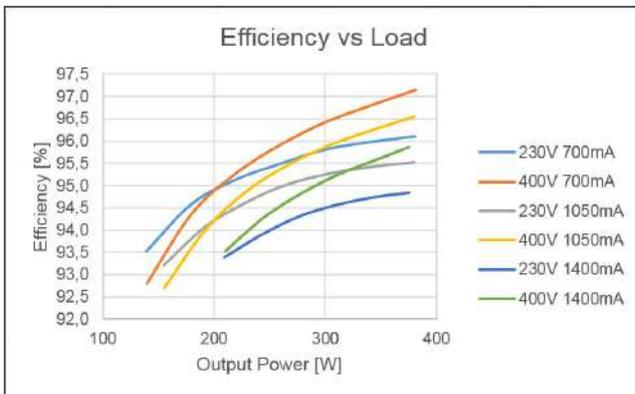
Typical THD v Load



Typical Power Factor vs. Load OT FIT 380/220-400/1A4 D NFC HCL

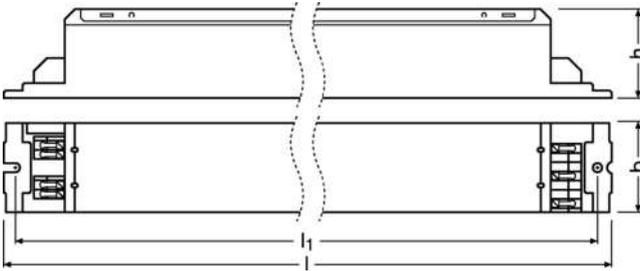
Typical THD Vs Load OT FIT 380/220-400/1A4 D NFC HCL

Typical Efficiency v Load 230 V 50 Hz



Typical Efficiency vs. Load OT FIT 380/220-400/1A4 D NFC HCL

Dimensions & weight



Product weight	645.00 g
Length	400.0 mm
Width	40.0 mm
Height	40.0 mm
Mounting hole spacing, length	380.0 mm
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
Wire preparation length, output side	8.0...9.0 mm

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-25...+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	100000 h / 50000 h
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Capabilities

Programming interface	NFC
Dimmable	No
Constant lumen function	Programmable
Max. cable length to lamp/LED module	2.0 m ¹⁾
Suitable for fixtures with prot. class	I
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	NFC Reader
Tuner4TRONIC Field App	Yes
Box programming	Yes

Certificates & standards

Approval marks – approval	CE / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / cURus
Standards	IEC 61347-1 / IEC 61347-2-13 / IEC 62384 / IEC 61000-3-2 / IEC 61000-3-3 / IEC 61547 / CISPR 15 / UL-8750 / FCC 47 part 15 class A
Type of protection	IP20

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	04-03-2025
Primary Article Identifier	4062172063586 4062172151221
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	▶OT ENEC 40038085 230824
CAD data	Compressed	▶OT FIT 380 D NFC HC L IGS 091019
CAD data	Compressed	▶OT FIT 380 D NFC HC L STEP 091019
CAD data PDF	Compressed	▶OT FIT 380 D NFC HC L CAD2PDF 091019
CAD data PDF	Compressed	▶OT FIT 380 D NFC HC L CAD3PDF 091019
Mandatory Publications	PDF	▶OT FIT D NFC HC L CE 3790189 04 200125
Mandatory Publications	PDF	▶OT FIT D NFC HC L UK DoC 4301507 01 200923
User instruction	PDF	▶UI OT FIT 380 D NFC HC L

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172063586 OSRAM	OT FIT 380/220-400/1A4 D NFC HC L	Shipping carton box 10 Pieces	423 x 208 x 100 mm	8.80 dm ³	663.90 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 380/220-400/1A4 D NFC HC L	PRH101 -USB	▶ 6977078996938
OT FIT 380/220-400/1A4 D NFC HC L	PRH101 -USB	▶ 6937186112354
OT FIT 380/220-400/1A4 D NFC HC L	CPR30+	▶ 6977078996945
OT FIT 380/220-400/1A4 D NFC HC L	CPR30+	▶ 6937186112378

Disclaimer

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