

OPTOTRONIC FIT D NFC HC L

Linear / Area Constant Current – Non dimmable



Areas of application

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

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 $T_c = 65\text{ }^\circ\text{C}$, 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)

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 datasheet

Technical data

Electrical data

Product description	Nominal input voltage	Mains frequency	Input voltage AC	Current set	Power factor λ
OT FIT 380/220...400/1A4 D NFC HC L	220...240/277/400 V	50/60 Hz	198...440 V	NFC	> 0.99
Product description	Efficiency in full-load	Device power loss	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 10 A (C)
OT FIT 380/220...400/1A4 D NFC HC L	97 % ¹⁾	20 W	$\leq 11 / \leq 19$ A ²⁾	8	-
Product description	Max. ECG no. on circuit breaker 16 A (B)	Max. ECG no. on circuit breaker 16 A (C)	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)
OT FIT 380/220...400/1A4 D NFC HC L	13 ³⁾	12	-	2 kV	2 kV
Product description	Nominal output voltage	Nominal output current	Default output current	Output ripple current (100 Hz)	
OT FIT 380/220...400/1A4 D NFC HC L	150...550 V	400...1400 mA	400 mA	< 1 %	
Product description	Output PSTLM	Output SVM	Nominal output power	Maximum output power	
OT FIT 380/220...400/1A4 D NFC HC L	≤ 1	≤ 0.4	140...380 W	380 W	
Product description	Galvanic isolation	U-OUT (working voltage)	Total harmonic distortion	Output current tolerance	
OT FIT 380/220...400/1A4 D NFC HC L	Non isolated	< 250 V	< 10 %	± 5 %	

¹⁾ at 400 V, 50 Hz

²⁾ At 230V / At 400V

³⁾ At 230 V

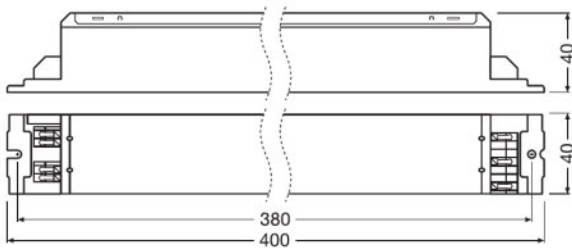
Dimensions & weight

Product description	Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
OT FIT 380/220...400/1A4 D NFC HC L	380.0 mm	645.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²	8.0...9.0 mm

Product family datasheet

Product description	Wire preparation length, output side	Width	Length	Height
OT FIT 380/220...400/1A4 D NFC HC L	8.0...9.0 mm	40.0 mm	400.0 mm	40.0 mm

Product line drawing



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

Colors & materials

Product description	Casing material
OT FIT 380/220...400/1A4 D NFC HC L	Metal

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
OT FIT 380/220...400/1A4 D NFC HC L	-25...+70 °C	85 °C	110 °C	-40...+85 °C

Product description	Permitted rel. humidity during operation
OT FIT 380/220...400/1A4 D NFC HC L	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Product family datasheet

Lifespan

Product description	ECG lifetime
OT FIT 380/220...400/1A4 D NFC HC L	100000 / 50000 h

Capabilities

Product description	Dimmable	Overheating protection	Overload protection
OT FIT 380/220...400/1A4 D NFC HC L	No	Automatic reversible	Automatic reversible

Product description	Short-circuit protection	No-load proof	Intended for no-load operation	Max. cable length to lamp/LED module
OT FIT 380/220...400/1A4 D NFC HC L	Automatic reversible	Yes	No	2.0 m ¹⁾

Product description	Suitable for fixtures with prot. class	Number of channels
OT FIT 380/220...400/1A4 D NFC HC L	I	1

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

Programming

Product description	Programming device
OT FIT 380/220...400/1A4 D NFC HC L	NFC Reader

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
OT FIT 380/220...400/1A4 D NFC HC L	CE / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / cURus	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 CISPR 15/UL-8750/Acc. to FCC 47 part 15 class A	IP20

Logistical data

Product description	Commodity code
OT FIT 380/220...400/1A4 D NFC HC L	85044083900

Product family datasheet

Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
OT FIT 380/220...400/1A4 D NFC HC L	21-07-2023	4062172063586 4062172151221	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
OT FIT 380/220...400/1A4 D NFC HC L	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	46137b19-2456-427b-b0a5-9b2c7a3461f2 cdd27f0f-b3c6-4377-97f7-8f1e14c0f98a




Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 User instruction OPTOTRONIC LED Power Supply
 Certificates OT ENEC 40038085 010322
 Certificates OT EMC 40044675 031022
 Declarations of conformity OT FIT D NFC HC L CE 3790189 030921
 CAD data OT FIT 380 D NFC HC L IGS 091019
 CAD data OT FIT 380 D NFC HC L STEP 091019
 CAD data PDF OT FIT 380 D NFC HC L CAD2PDF 091019
 CAD data PDF OT FIT 380 D NFC HC L CAD3PDF 091019

Product family datasheet

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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172063586	OT FIT 380/220...400/1A4 D NFC HC L	Shipping carton box 10	423 mm x 208 mm x 100 mm	8.80 dm ³	6639.00 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.