

PRODUCT FAMILY DATASHEET OPTOTRONIC FIT D NFC L

Linear / Area Constant Current – Non dimmable



AREAS OF APPLICATION

- Linear lighting for office, education, industry, storage areas and retail
- 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

PRODUCT FAMILY BENEFITS

- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at $T_c = 65\text{ °C}$, max. 10 % failure rate)
- High quality of light thanks to <1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature protection

PRODUCT FAMILY FEATURES

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 75 W
- Supply voltage: 220...240 V
- Available with output current range: up to 550 mA
- Non-isolated drivers

TECHNICAL DATA

Electrical data

Product description	Nominal voltage	Mains frequency	Input voltage AC	Power factor λ	ECG efficiency	Device power loss	Inrush current
OT FIT 75/220...240/550 D NFC L	220...240 V	50...60 Hz	198...264 V	> 0.95	up to 94 %	7.0 W	41 A
OT FIT 35/220...240/350 D NFC L	220...240 V	50...60 Hz	198...264 V	> 0.95	up to 93 %	4.0 W	30 A

Product description	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 16 A (B)	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)
OT FIT 75/220...240/550 D NFC L	16	26	-	2 kV	1 kV
OT FIT 35/220...240/350 D NFC L	19	30	-	2 kV	1 kV

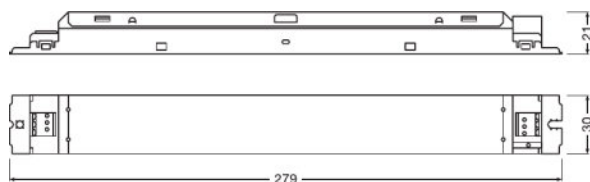
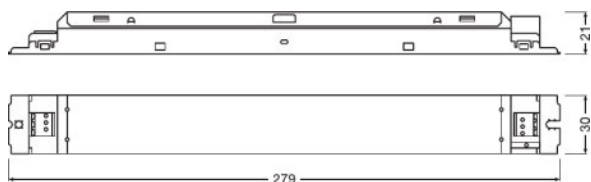
Product description	Nominal output voltage	Nominal output current	Nominal output power
OT FIT 75/220...240/550 D NFC L	54...216 V	125...550 mA ¹⁾	10...75 W
OT FIT 35/220...240/350 D NFC L	54...216 V	75...350 mA ¹⁾	6.1...35 W

¹⁾ ±5%

Dimensions & weight

Product description	Length	Width	Height	Product weight
OT FIT 75/220...240/550 D NFC L	280.0 mm	30.0 mm	21.0 mm	180.00 g
OT FIT 35/220...240/350 D NFC L	280.0 mm	30.0 mm	21.0 mm	180.00 g

Product line drawing



OT FIT 75/220...240/550 D NFC L

OT FIT 35/220...240/350 D NFC L

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Permitted rel. humidity during operation
OT FIT 75/220...240/550 D NFC L	-25...+50 °C	75 °C	110 °C	5...85 % ¹⁾
OT FIT 35/220...240/350 D NFC L	-25...+60 °C	75 °C	110 °C	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT FIT 75/220...240/550 D NFC L	50000 / 100000 h ¹⁾
OT FIT 35/220...240/350 D NFC L	50000 / 100000 h ¹⁾

¹⁾ At maximum T_c = 75°C / 10% failure rate

Additional product data

Product description	Encapsulated
OT FIT 75/220...240/550 D NFC L	No
OT FIT 35/220...240/350 D NFC L	No

Capabilities

Product description	Dimmable	Overheating protection	Overload protection	Short-circuit protection
OT FIT 75/220...240/550 D NFC L	No	Automatic reversible	Automatic reversible	Automatic reversible
OT FIT 35/220...240/350 D NFC L	No	Automatic reversible	Automatic reversible	Automatic reversible

Product description	No-load proof	Max. cable length to lamp/LED module	Suitable for fixtures with prot. class
OT FIT 75/220...240/550 D NFC L	Yes	2.0 m	I
OT FIT 35/220...240/350 D NFC L	Yes	2.0 m	I

Certificates & standards

Product description	Approval marks – approval
OT FIT 75/220...240/550 D NFC L	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM
OT FIT 35/220...240/350 D NFC L	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM

Product description	Standards	Type of protection
OT FIT 75/220...240/550 D NFC L	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	IP20
OT FIT 35/220...240/350 D NFC L	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	IP20

Logistical data

Product description	Temperature range at storage
OT FIT 75/220...240/550 D NFC L	-40...+85 °C
OT FIT 35/220...240/350 D NFC L	-40...+85 °C


APPLICATION ADVICE




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

SALES AND TECHNICAL SUPPORT

Sales and Technical Support www.ledvance.com

DOWNLOAD DATA

File
 User instruction OPTOTRONIC LED Power Supply

	Product Datasheet Product datasheet OT FIT 75 NFC
	Certificates 730563_VDE Certificate
	Certificates VDE ENEC Certificate 40038085
	Certificates VDE EMC Certificate 40044675 (EN)
	Certificates OT EMC 40050085 200220
	Declarations of conformity EU Declaration of Conformity 3694918
	Declarations of conformity EATON(CEAG)-Conformity declaration AM10971 OT FIT 75220-240550 D NFC L
	Declarations of conformity INOTEC-Conformity declaration AM10971 OT FIT 75220-240550 D NEC L
	CAD data CAD data IGS OT FIT 35,75D NFC L
	CAD data CAD data STEP OT FIT 35,75D NFC L
	CAD data OT FIT D NFC L IGS 251119
	CAD data OT FIT D NFC L STEP 251119
	CAD Data 2-dim OT FIT D NFC L CAD2PDF 251119
	CAD data 3-dim OT FIT D NFC L CAD3PDF 251119
	CAD data PDF CAD data PDF OT FIT 35,75D NFC L
	Product Datasheet Product datasheet OT FIT 35 NFC
	Declarations of conformity EATON(CEAG)-Conformity declaration AM10972 OT FIT 35220-240350 D NFC L
	Declarations of conformity INOTEC-Conformity declaration AM10972 OT FIT 35220-240350 D NFC L

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899990197	Shipping carton box 20	305 mm x 161 mm x 104 mm	3777.00 g	5.11 dm ³
4052899990173	Shipping carton box 20	305 mm x 161 mm x 104 mm	3777.00 g	5.11 dm ³

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.