

## PRODUCT FAMILY DATASHEET OPTOTRONIC FIT CS L G2

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 luminaires of protection class I

### PRODUCT FAMILY BENEFITS

- Flexible current setting (DIPswitch – 4 currents)
- Lifetime: up to 100,000 h (temperature at  $T_c = 65\text{ °C}$ , max. 10 % failure rate)
- High efficiency
- High quality of light thanks to low output ripple current
- Fulfill safety requirement due to overload, overtemperature, Hot Plug 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 1,400 mA
- SELV system

## TECHNICAL DATA

## Electrical data

Product description	Nominal voltage	Mains frequency	Input voltage AC	Power factor $\lambda$	ECG efficiency	Device power loss	Inrush current
OT FIT 35/220...240/700 CS L G2	220...240 V	50...60 Hz	198...264 V <sup>1)</sup>	0.98	≤86 %	5.8 W	16 A
OT FIT 55/220...240/1A0 CS L G2	220...240 V	50...60 Hz	198...264 V <sup>1)</sup>	0.98	≤89 %	7.0 W	20 A
OT FIT 75/220...240/1A4 CS L G2	220...240 V	50...60 Hz	198...264 V <sup>1)</sup>	0.98	≤87 %	11 W	40 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 35/220...240/700 CS L G2	21	34	-	2 kV	1 kV
OT FIT 55/220...240/1A0 CS L G2	16	25	-	2 kV	1 kV
OT FIT 75/220...240/1A4 CS L G2	8	13	-	2 kV	1 kV

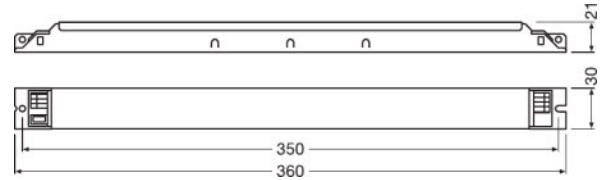
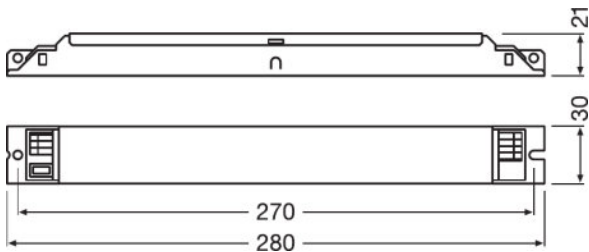
Product description	Nominal output voltage	Nominal output current	Nominal output power	Galvanic isolation primary/secondary
OT FIT 35/220...240/700 CS L G2	27...51 V	500 / 600 / 650 / 700 mA	13.5...35.7 W	-
OT FIT 55/220...240/1A0 CS L G2	27...51 V	800 / 900 / 975 / 1050 mA	21.6...53.6 W	-
OT FIT 75/220...240/1A4 CS L G2	27...51 V	1100 / 1200 / 1300 / 1400 mA	29.7...71.4 W	-

<sup>1)</sup> Permitted voltage range

## Dimensions &amp; weight

Product description	Length	Width	Height	Product weight
OT FIT 35/220...240/700 CS L G2	280.0 mm	30.0 mm	21.0 mm	205.00 g
OT FIT 55/220...240/1A0 CS L G2	280.0 mm	30.0 mm	21.0 mm	217.00 g
OT FIT 75/220...240/1A4 CS L G2	360.0 mm	30.0 mm	21.0 mm	290.00 g

Product line drawing



OT FIT 35/220...240/700 CS L G2, OT FIT 55/220...240/1A0 CS L G2

OT FIT 75/220...240/1A4 CS L G2

— 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 35/220...240/700 CS L G2	-25...+50 °C	80 °C	110 °C	5...85 % <sup>1)</sup>
OT FIT 55/220...240/1A0 CS L G2	-25...+50 °C	80 °C	110 °C	5...85 % <sup>1)</sup>
OT FIT 75/220...240/1A4 CS L G2	-25...+50 °C	80 °C	110 °C	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
OT FIT 35/220...240/700 CS L G2	50000 / 100000 h <sup>1)</sup>
OT FIT 55/220...240/1A0 CS L G2	50000 / 100000 h <sup>1)</sup>
OT FIT 75/220...240/1A4 CS L G2	50000 / 100000 h <sup>1)</sup>

<sup>1)</sup> At maximum T<sub>c</sub> = 75°C / 10% failure rate

**Additional product data**

Product description	Encapsulated
OT FIT 35/220...240/700 CS L G2	No
OT FIT 55/220...240/1A0 CS L G2	No
OT FIT 75/220...240/1A4 CS L G2	No

**Capabilities**

Product description	Dimmable	Overheating protection	Overload protection	Short-circuit protection
OT FIT 35/220...240/700 CS L G2	No	Automatic reversible	Non-reversible	Automatic reversible
OT FIT 55/220...240/1A0 CS L G2	No	Automatic reversible	Non-reversible	Automatic reversible
OT FIT 75/220...240/1A4 CS L G2	No	Automatic reversible	Non-reversible	Automatic reversible

Product description	No-load proof	Max. cable length to lamp/LED module	Suitable for fixtures with prot. class
OT FIT 35/220...240/700 CS L G2	Yes	2.0 m	I
OT FIT 55/220...240/1A0 CS L G2	Yes	2.0 m	I
OT FIT 75/220...240/1A4 CS L G2	Yes	2.0 m	I

**Certificates & standards**

Product description	Approval marks – approval
OT FIT 35/220...240/700 CS L G2	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM
OT FIT 55/220...240/1A0 CS L G2	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM
OT FIT 75/220...240/1A4 CS L G2	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM

Product description	Standards	Type of protection
OT FIT 35/220...240/700 CS L G2	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 55/220...240/1A0 CS L G2	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 75/220...240/1A4 CS L G2	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 35/220...240/700 CS L G2	-25...85 °C
OT FIT 55/220...240/1A0 CS L G2	-25...85 °C
OT FIT 75/220...240/1A4 CS L G2	-25...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](http://www.ledvance.com)

## DOWNLOAD DATA

File	
	User instruction OT FIT 35 55 75 220-240 D LT2 L
	Product Datasheet OT FIT 35220&#150;240700 CS L G2
	Certificates VDE ENEC Certificate 40046756
	Certificates VDE EMC Certificate 40046714
	Certificates INOTEC Certificate OT FIT 35700 CS L G2
	Certificates INOTEC Certificate OT FIT 35700 CS L G2 appendix
	Declarations of conformity 711957_Declaration of Conformity OT FIT CS L
	Declarations of conformity EU Declaration of Conformity 3666934
	Declarations of conformity INOTEC- Conformity declaration AM04351_OT_FIT_35_220-240_700_CS_L_EL
	Product Datasheet OT FIT 55220&#150;2401050 CS L G2
	Certificates INOTEC Certificate OT FIT 551A0 CS L G2
	Certificates INOTEC Certificate OT FIT 551A0 CS L G2 appendix
	Declarations of conformity INOTEC- Conformity declaration AM04352_OT_FIT_55_220-240_1A0_CS_L_EL
	Product Datasheet OT FIT 75220&#150;2401400 CS L G2
	Certificates INOTEC Certificate OT FIT 751A4 CS L G2
	Certificates INOTEC Certificate OT FIT 751A4 CS L G2 appendix
	Declarations of conformity INOTEC- Conformity declaration AM04353_OT_FIT_75_220-240_1A4_CS_L_EL

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899522541	Shipping carton box 20	303 mm x 159 mm x 101 mm	4419.00 g	4.87 dm <sup>3</sup>
4052899522565	Shipping carton box 20	303 mm x 159 mm x 101 mm	4659.00 g	4.87 dm <sup>3</sup>
4052899522589	Shipping carton box 20	385 mm x 160 mm x 100 mm	5971.00 g	6.16 dm <sup>3</sup>

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