

OPTOTRONIC FIT CS L G2

Linear / Area Constant Current – Non dimmable



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

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

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 datasheet

Technical data

Product description	Electrical data					
	Nominal input voltage	Mains frequency	Input voltage AC	Current set	Total harmonic distortion	Power factor λ
OT FIT 35/220...240/700 CS L G2	220...240 V	0/50/60 Hz	198...264 V ¹⁾	DipSwitch	< 10 %	0.85C...0.98 8
OT FIT 55/220...240/1A0 CS L G2	220...240 V	0/50/60 Hz	198...264 V ¹⁾	DipSwitch	< 10 %	0.87C...0.98
OT FIT 75/220...240/1A4 CS L G2	220...240 V	0/50/60 Hz	198...264 V ¹⁾	DipSwitch	< 20 %	0.95...0.98

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 16 A (B)	Max. ECG no. on circuit breaker 25 A (B)
OT FIT 35/220...240/700 CS L G2	85 % ²⁾	5.8 W	16 A	21	34	-
OT FIT 55/220...240/1A0 CS L G2		7.0 W	20 A	16	25	-
OT FIT 75/220...240/1A4 CS L G2	87 % ²⁾	11 W	40 A	8	13	-

Product description	Surge capability (L/N-Ground)	Surge capability (L-N)	Nominal output voltage	U-OUT (working voltage)	Nominal output current
OT FIT 35/220...240/700 CS L G2	2 kV	1 kV	27...51 V	< 60 V	500 / 600 / 650 / 700 mA
OT FIT 55/220...240/1A0 CS L G2	2 kV	1 kV	27...51 V	< 60 V	800 / 900 / 975 / 1050 mA
OT FIT 75/220...240/1A4 CS L G2	2 kV	1 kV	27...51 V	< 60 V	1100 / 1200 / 1300 / 1400 mA

Product description	Output current tolerance	Output ripple current (100 Hz)	Output PSTLM	Output SVM	Nominal output power
OT FIT 35/220...240/700 CS L G2	±7.5 %	< 5 %	≤1	≤0.4	13.5...35.7 W
OT FIT 55/220...240/1A0 CS L G2	±7.5 %	< 5 %	≤1	≤0.4	21.6...53.6 W
OT FIT 75/220...240/1A4 CS L G2	±7.5 %	< 5 %	≤1	≤0.4	29.7...71.4 W

Product family datasheet

Product description	Maximum output power	Galvanic isolation	Default output current	Protective conductor current
OT FIT 35/220...240/700 CS L G2	35.7 W	SELV	700 mA	0.5 mA
OT FIT 55/220...240/1A0 CS L G2		SELV	1000 mA	2.0 mA
OT FIT 75/220...240/1A4 CS L G2	71.4 W	SELV	1400 mA	2.0 mA

Product description	Galvanic isolation primary/secondary	Dimensions & weight			
		Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT FIT 35/220...240/700 CS L G2	-	270.0 mm	205.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²
OT FIT 55/220...240/1A0 CS L G2	-	270.0 mm	217.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²
OT FIT 75/220...240/1A4 CS L G2	-	350.0 mm	288.00 g	0.5...1.5 mm ²	0.5...1.5 mm ²

Product description	Wire preparation length, input side	Wire preparation length, output side	Length	Width	Height
OT FIT 35/220...240/700 CS L G2	8.5...9.5 mm	8.5...9.5 mm	280.0 mm	30.0 mm	21.0 mm
OT FIT 55/220...240/1A0 CS L G2	8.5...9.5 mm	8.5...9.5 mm	280.0 mm	30.0 mm	21.0 mm
OT FIT 75/220...240/1A4 CS L G2	8.5...9.5 mm	8.5...9.5 mm	360.0 mm	30.0 mm	21.0 mm

Product description	Colors & materials	Temperatures & operating conditions			
	Casing material	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
OT FIT 35/220...240/700 CS L G2	Metal	-25...+50 °C	80 °C	110 °C	-25...85 °C
OT FIT 55/220...240/1A0 CS L G2	Metal	-25...+50 °C	80 °C	110 °C	-25...85 °C
OT FIT 75/220...240/1A4 CS L G2	Metal	-25...+50 °C	80 °C	110 °C	-25...85 °C

Product description	Permitted rel. humidity during operation	Lifespan	Additional product data	Capabilities	
		ECG lifetime	Encapsulated	Dimmable	Overheating protection
OT FIT 35/220...240/700 CS L G2	5...85 % ³⁾	50000 / 100000 h ⁴⁾	No	No	Automatic reversible
OT FIT 55/220...240/1A0 CS L G2	5...85 % ³⁾	50000 / 100000 h ⁴⁾		No	Automatic reversible
OT FIT 75/220...240/1A4 CS L G2	5...85 % ³⁾	50000 / 100000 h ⁴⁾		No	Automatic reversible

Product family datasheet

Product description	Overload protection	Short-circuit protection	No-load proof	Intended for no-load operation
OT FIT 35/220...240/700 CS L G2	Non-reversible	Automatic reversible	Yes	No
OT FIT 55/220...240/1A0 CS L G2	Non-reversible	Automatic reversible	Yes	
OT FIT 75/220...240/1A4 CS L G2	Non-reversible	Automatic reversible	Yes	No

Product description	Max. cable length to lamp/LED module	Suitable for fixtures with prot. class	Suitable for emergency lighting	Type of connection, output side
OT FIT 35/220...240/700 CS L G2	2.0 m ⁵⁾	I	Yes	Push terminal
OT FIT 55/220...240/1A0 CS L G2	2.0 m ⁵⁾	I	Yes	Push terminal
OT FIT 75/220...240/1A4 CS L G2	2.0 m ⁵⁾	I	Yes	Push terminal

Product description	Number of channels	Programming	Certificates & standards	
		Programming device	Approval marks – approval	Standards
OT FIT 35/220...240/700 CS L G2	1	DIPswitch	CE / EL / ENEC 05 / EAC / CCC / RCM / BIS	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
OT FIT 55/220...240/1A0 CS L G2	1	DIPswitch	CE / EL / ENEC 05 / EAC / CCC / RCM / BIS	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
OT FIT 75/220...240/1A4 CS L G2	1	DIPswitch	CE / EL / ENEC 05 / EAC / CCC / RCM / BIS	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

Product description	Protection class	Type of protection	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
			Commodity code	Date of Declaration
OT FIT 35/220...240/700 CS L G2	I	IP20	85044083900	08-12-2023
OT FIT 55/220...240/1A0 CS L G2	I	IP20	85044083900	08-12-2023
OT FIT 75/220...240/1A4 CS L G2	I	IP20	85044083900	08-12-2023

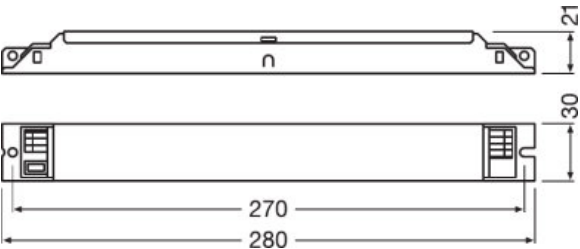
Product family datasheet

Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
OT FIT 35/220...240/700 CS L G2	4052899522534 4052899569096	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
OT FIT 55/220...240/1A0 CS L G2	4052899522558	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
OT FIT 75/220...240/1A4 CS L G2	4052899522572 4052899569119	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

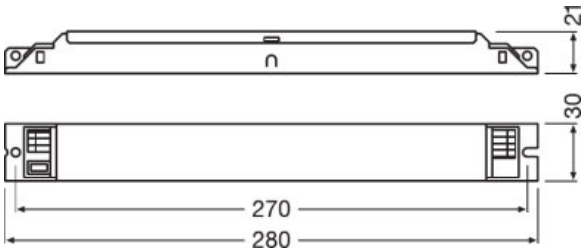
Product description	Declaration No. in SCIP database
OT FIT 35/220...240/700 CS L G2	ff734c56-9637-40d2-ac9e-38d39e0028f5 6b4d6e18-2d72-41af-a5ff-7f831bfb3e76
OT FIT 55/220...240/1A0 CS L G2	07f8e836-8454-4b16-8f39-d240678760bf
OT FIT 75/220...240/1A4 CS L G2	bdec3c3b-f996-4fff-9ca6-85db4b0c5684 bd4f4910-d9ad-450c-aaca-a6ebce753260

1) Permitted voltage range
2) at 230 V, 50 Hz
3) Maximum 56 days/year at 85 %
4) At maximum $T_c = 75^{\circ}\text{C}$ / 10% failure rate
5) Output wires must be routed as close as possible to each other

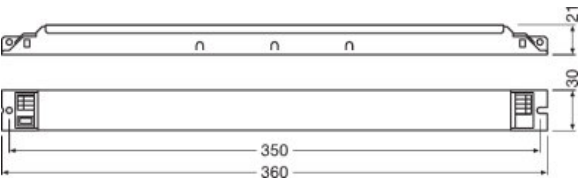
Product family datasheet



AM043510055 OT FIT 35220-240700 CS L G2 VS20
OSRAM



OT FIT 55220-2401A0 CS L G2 UNV1 OSRAM



AM043530055 OT FIT 75220-2401A4 CS L G2 VS20
OSRAM

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 OT FIT 35 55 75 220-240 CS L G2

Product family datasheet

	Certificates INOTEC Certificate OT FIT 35700 CS L G2
	Certificates INOTEC Certificate OT FIT 35700 CS L G2 appendix
	Certificates OT EMC 40038482 290922
	Certificates OT FIT 35 CS L G2 CCC 2023171002005163 071223
	Certificates OT ENEC 40038447 260623
	Certificates VDE ENEC Certificate 40046756
	Declarations of conformity OT FIT CS L G2 UK DoC 4281119 150222
	Declarations of conformity OT FIT CS L G2 CE 3666934 150222
	Declarations of conformity 711957_Declaration of Conformity OT FIT CS L
	Certificates INOTEC Certificate OT FIT 551A0 CS L G2
	Certificates INOTEC Certificate OT FIT 551A0 CS L G2 appendix
	Certificates OT FIT 55 CS L G2 CCC 2023171002005165 071223
	Certificates INOTEC Certificate OT FIT 751A4 CS L G2
	Certificates INOTEC Certificate OT FIT 751A4 CS L G2 appendix
	Certificates OT FIT 75 CS L G2 CCC 2023171002005166 071223

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.

Product family datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899522534	OT FIT 35/220...240/700 CS L G2	Shipping carton box 20	303 mm x 159 mm x 101 mm	4.87 dm ³	4419.00 g
4052899522558	OT FIT 55/220...240/1A0 CS L G2	Shipping carton box 20	303 mm x 159 mm x 101 mm	4.87 dm ³	4659.00 g
4052899522572	OT FIT 75/220...240/1A4 CS L G2	Shipping carton box 20	385 mm x 160 mm x 100 mm	6.16 dm ³	5931.00 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.