

ICUTRONIC FIT CS (sq)

Compact constant current LED driver – Non dimmable



Areas of application

- Suitable for downlights, spotlights and LED panels
- Suitable for luminaires of protection classes I and II

Product family benefits

- Higher quality of light thanks to low output ripple current
- High flexibility due to four different output currents
- Small housing for flexible luminaire designs
- High efficiency

Product family features

- Lifetime: up to 50,000 h (temperature at max. t_c)
- Cable clamp kit for independent mounting

Technical data

Electrical data

Product description	Nominal input voltage	Mains frequency	Input voltage AC	Total harmonic distortion	Power factor λ	
OT FIT 75/220-240/1A6 CS	220...240 V	50...60 Hz	198...264 V	< 10 % ¹⁾	095...098	
Product description	Efficiency in full-load		Device power loss	Protective conductor current	Inrush current	Max. ECG no. on circuit breaker 10 A (C)
OT FIT 75/220-240/1A6 CS	91 % ²⁾		8.6 W ³⁾	<0.7 mA	< 40 A ⁴⁾	16
Product description	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 16 A (C)	Max. ECG no. on circuit breaker 16 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)	
OT FIT 75/220-240/1A6 CS	10	26	16	2 kV	1 kV	
Product description	Nominal output voltage	U-OUT (working voltage)	Nominal output current	Output current tolerance	Output ripple current (100 Hz)	
OT FIT 75/220-240/1A6 CS	27...57 / 27...42 V ⁵⁾	70 V	1200 / 1350 / 1500 / 1650 mA	±7.5 %	< 5 %	
Product description	Output PSTLM		Output SVM		Nominal output power	Maximum output power
OT FIT 75/220-240/1A6 CS	≤1		≤0.4		32.5...77 W	77 W
Product description	Default output current		Current set			
OT FIT 75/220-240/1A6 CS	1650 mA		DipSwitch			

¹⁾ At full load, 230 V, 50 Hz / see graphs
²⁾ at 230 V, 50 Hz
³⁾ At 230 V, Input power 85.5 W max.
⁴⁾ $t_{width} = 200 \mu s$ (measured at 50 % I_{peak})
⁵⁾ At output current 1200/1350 mA / At output current 1500/1650 mA

Dimensions & weight

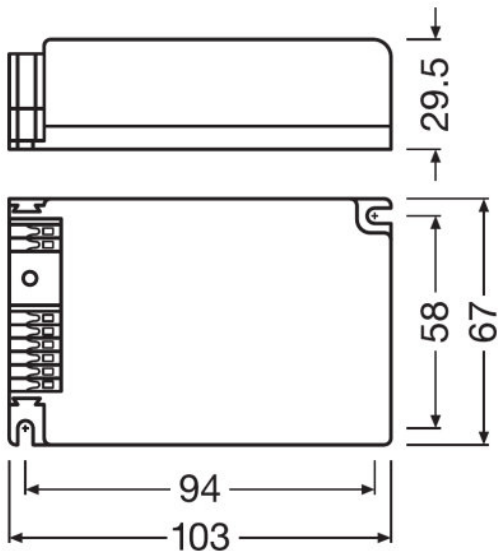
Product description	Mounting hole spacing, length	Mounting hole spacing, width	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT FIT 75/220-240/1A6 CS	94.0 mm	58.0 mm	17000 g	0.5...1.5 / 0.75...1.5 mm ² ¹⁾	0.5...1.5 / 0.75...1.5 mm ² ¹⁾

Product family datasheet

Product description	Wire preparation length, input side	Wire preparation length, output side	Length	Width	Height
OT FIT 75/220-240/1A6 CS	7...8 mm	7...8 mm	1030 mm	670 mm	295 mm

1) Solid/ Flexible Leads

Product line drawing



OT FIT 75/220-240/1A6 CS

Colors & materials

Product description	Casing material
OT FIT 75/220-240/1A6 CS	Plastic

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 75/220-240/1A6 CS	-20...+50/-20...+45 °C 1)	80 °C	110 °C	-20...80 °C

Product description	Permitted rel. humidity during operation
OT FIT 75/220-240/1A6 CS	5...85 % 2)

1) At output current 1200/1350/1500 mA/At output current 1650 mA

2) Non-condensing

Product family datasheet

Lifespan

Product description	ECG lifetime
OT FIT 75/220-240/1A6 CS	50000 / 30000 h ¹⁾

¹⁾ T_c = 70°C, with max. 10% failure rate / T_c = 80°C, with max. 10% failure rate

Additional product data

Product description	Predecessor EAN
OT FIT 75/220-240/1A6 CS	4052899917583

Capabilities

Product description	Dimmable	Overheating protection	Overload protection
OT FIT 75/220-240/1A6 CS	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 75/220-240/1A6 CS	Automatic reversible	Yes	No	2.0 m ¹⁾

Product description	Suitable for fixtures with prot. class	Type of connection, input side	Type of connection, output side
OT FIT 75/220-240/1A6 CS	I / II	Push terminal	Push terminal

Product description	Number of channels	Suitable for through-wiring
OT FIT 75/220-240/1A6 CS	1	Yes with optional cable clamp

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

Programming

Product description	Programming device
OT FIT 75/220-240/1A6 CS	DIPswitch

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection	Protection class
OT FIT 75/220-240/1A6 CS	CCC / CE / RCM / ENEC 05	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	IP20	II

Product family datasheet

Logistical data

Product description	Commodity code
OT FIT 75/220-240/1A6 CS	85044083900

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 75/220-240/1A6 CS	25-05-2023	4052899999565	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
OT FIT 75/220-240/1A6 CS	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	c6979e2a-02ee-44da-a72b-c8b4cdba2eef







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
	Certificates OT FIT 75 CS DEKRA 35 106549 160620
	Declarations of conformity OT FIT CS UK DoC 4290089 150322
	Declarations of conformity OT FIT CS CE 3667905 150322
	CAD data OT FIT 75 1A6 CS STEP 220319
	CAD data PDF OT FIT 75 1A6 CS CAD3PDF 220319

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
4052899999565	OT FIT 75/220-240/1A6 CS	Shipping carton box 20	353 mm x 223 mm x 101 mm	7.95 dm ³	3742.00 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.

Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 75/220-240/1A6 CS	OT CABLE CLAMP B-STYLE	▶ 4052899077881
OT FIT 75/220-240/1A6 CS	OT CABLE CLAMP B-STYLE TL	▶ 4052899948051

Disclaimer

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