

## OT FIT 75/220-240/1A6 CS

ICUTRONIC FIT CS (sq) | Compact constant current LED driver – Non dimmable



### Product family features

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

### 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

## Areas of application

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

## Technical data

### Electrical data

Nominal input voltage	220...240 V
Nominal output current	1200 mA / 1350 mA / 1500 mA / 1650 mA
Nominal output power	32.5...77 W
Nominal output voltage	27...57 V / 27...42 V <sup>1)</sup>
Maximum output power	77 W
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Default output current	1650 mA
Device power loss	8.6 W <sup>2)</sup>
Efficiency in full-load	91 % <sup>3)</sup>
Galvanic isolation primary/secondary	SELV
Inrush current	< 40 A <sup>4)</sup>
Max. ECG no. on circuit breaker 10 A (B)	10
Max. ECG no. on circuit breaker 16 A (B)	16
Output current tolerance	±7.5 %
Output PSTLM	≤1
Output ripple current (100 Hz)	< 5 %
Output SVM	≤0.4
Power factor λ	0.95...0.98
Protective conductor current	<0.7 mA
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Total harmonic distortion	< 10 % <sup>5)</sup>
U-OUT (working voltage)	70 V
Current set	DipSwitch

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

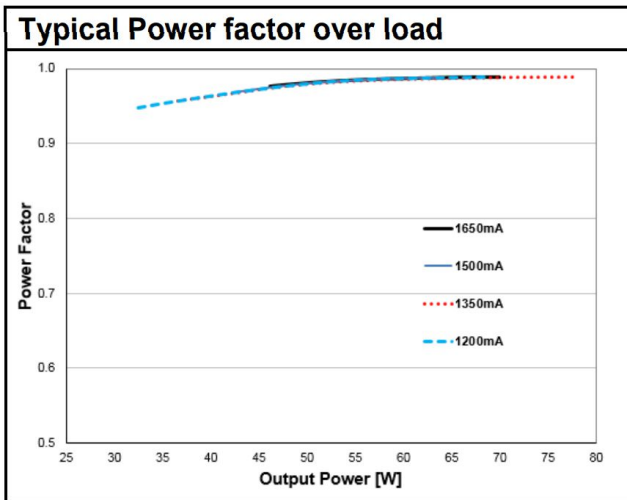
2) At 230 V, Input power 85.5 W max.

3) at 230 V, 50 Hz

4)  $t_{width} = 200 \mu s$  (measured at 50 %  $I_{peak}$ )

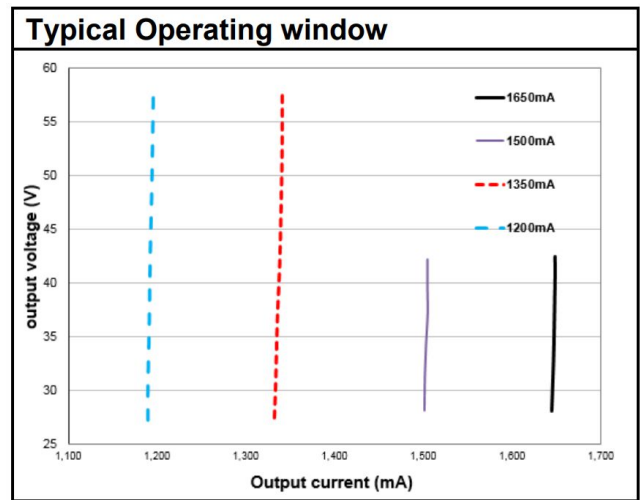
5) At full load, 230 V, 50 Hz / see graphs

## Typical Power Factor v Load



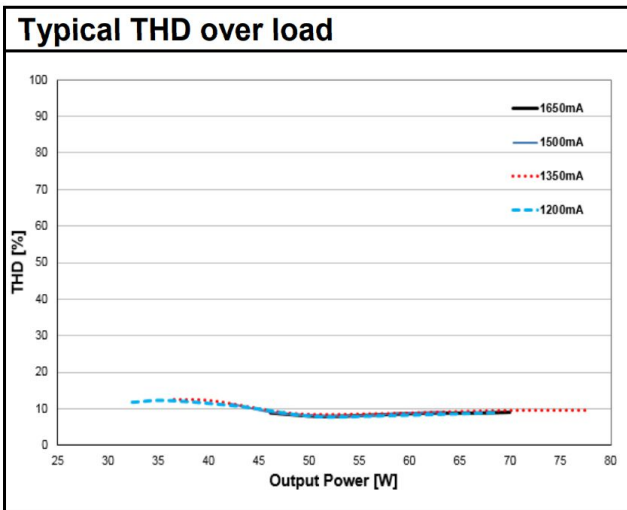
OT FIT 75/220-240/1A6 CS Typical Power Factor vs. Load

## Operating Window



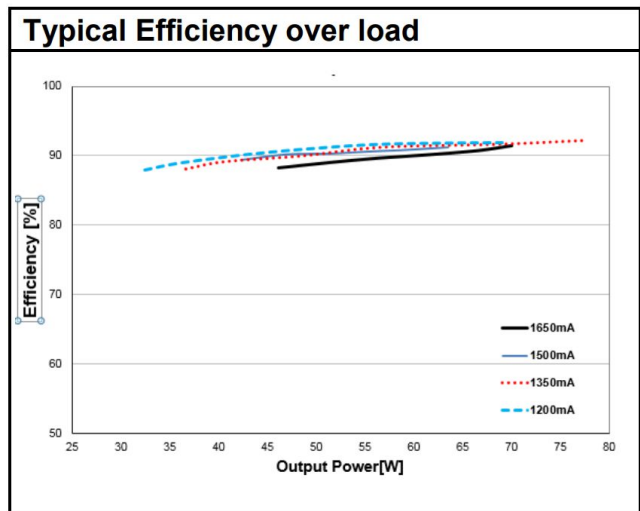
OT FIT 75/220-240/1A6 CS Operating Window

## Typical THD v Load



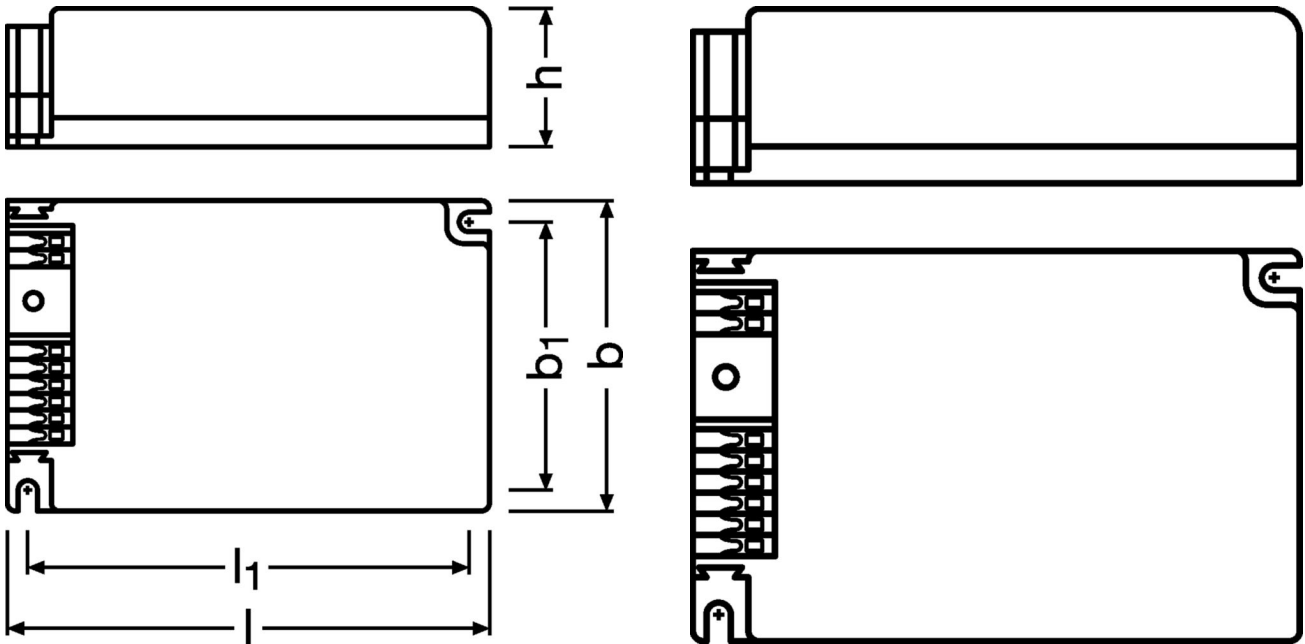
OT FIT 75/220-240/1A6 CS Typical THD Vs Load

## Typical Efficiency v Load 230 V 50 Hz



OT FIT 75/220-240/1A6 CS Typical Efficiency vs. Load (230 V / 50 Hz)

## Dimensions & weight



Length	103.0 mm
Height	29.5 mm
Width	67.0 mm
Product weight	170.00 g
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup> / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup> / 0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm

1) Solid/ Flexible Leads

## Colors & materials

Casing material	Plastic
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## Temperatures & operating conditions

Ambient temperature range	-20...+50 / -20...+45 °C
Max.housing temperature in case of fault	110 °C
Maximum temperature at tc test point	80 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>
Temperature range at storage	-20...80 °C

1) Non-condensing

## Lifespan

<b>ECG lifetime</b>	50000 h / 30000 h <sup>1)</sup>
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1)  $T_c = 70^\circ\text{C}$ , with max. 10% failure rate /  $T_c = 80^\circ\text{C}$ , with max. 10% failure rate

## Additional product data

<b>Predecessor EAN</b>	4052899917583
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## Capabilities

<b>Dimmable</b>	No
<b>Max. cable length to lamp/LED module</b>	2.0 m <sup>1)</sup>
<b>Overload protection</b>	Automatic reversible
<b>Overheating protection</b>	Automatic reversible
<b>Suitable for fixtures with prot. class</b>	I / II
<b>Suitable for through-wiring</b>	Yes with optional cable clamp
<b>Type of connection, input side</b>	Push terminal
<b>Type of connection, output side</b>	Push terminal
<b>Intended for no-load operation</b>	No
<b>No-load proof</b>	Yes
<b>Number of channels</b>	1
<b>Short-circuit protection</b>	Automatic reversible

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

## Programming

Programming device	DIPswitch
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## Certificates & standards

Type of protection	IP20
Approval marks – approval	CCC / CE / RCM / ENEC 05
Standards	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

## Logistical data

Commodity code	85044083900
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## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Declaration No. in SCIP database	In work
Date of Declaration	29-07-2024
Primary Article Identifier	4052899999565
SCIP_STATUS	In work
SCIP_ID	

## 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.



## Download Data

File		
Certificates	PDF	▶ OT FIT 75 CS ENEC 35 129252 270623
CAD data	Compressed	▶ OT FIT 75 1A6 CS STEP 220319
CAD data PDF	Compressed	▶ OT FIT 75 1A6 CS CAD3PDF 220319
Mandatory Publications	PDF	▶ OT FIT CS UK DoC 4290089 03 220923
Mandatory Publications	PDF	▶ OT FIT CS CE 3667905 11 180823
User instruction	PDF	▶ UI OT FIT 75 CS

## 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 Pieces	353 x 223 x 101 mm	7.95 dm <sup>3</sup>	187.10 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.