

## IT FIT 40/220-240/1A0 CS (NEW)

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

### Product family features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...254 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression according to CISPR 15
- Line harmonics according to IEC 61000-3-2
- Immunity according to IEC 61547
- Fixed output (no dimming)



### Product family benefits

- Higher quality of light thanks to low output ripple current
- High flexibility due to eight different output currents
- Small housing for flexible luminaire designs
- High efficiency
- Long lasting and high reliability
- Safety ensured by OSRAM (SELV)



### Areas of application

- Suitable for downlights, spotlights and LED panels
- Suitable for indoor SELV installations
- Installation and independent mounting via Cable Clamp Kit possible

## Technical data

## Electrical data

<b>Nominal input voltage</b>	220...240 V
<b>Mains frequency</b>	50/60 Hz
<b>Input voltage AC</b>	198...264 V <sup>1)</sup>
<b>Total harmonic distortion</b>	< 10 % <sup>2)</sup>
<b>Power factor λ</b>	0.90C...0.98 <sup>3)</sup>
<b>Efficiency in full-load</b>	89 % <sup>4)</sup>
<b>Device power loss</b>	5.9 W <sup>5)</sup>
<b>Networked standby power</b>	not relevant
<b>Inrush current</b>	32 A <sup>6)</sup>
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	17
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	27
<b>Surge capability (L-N)</b>	1 kV <sup>7)</sup>
<b>Surge capability (L/N-Ground)</b>	2 kV <sup>8)</sup>
<b>Protective conductor current</b>	<0.7 mA
<b>Nominal output voltage</b>	23...42 V
<b>U-OUT (working voltage)</b>	60 V
<b>Nominal output current</b>	700 mA / 750 mA / 800 mA / 850 mA / 900 mA / 950 mA / 1000 mA / 1050 mA <sup>9)</sup>
<b>Default output current</b>	1050 mA
<b>Output current tolerance</b>	±5 %
<b>Output ripple current (100 Hz)</b>	< 3 % <sup>10)</sup>
<b>Output PSTLM</b>	≤1
<b>Output SVM</b>	≤0.4
<b>Nominal output power</b>	16.1...44.1 W
<b>Maximum output power</b>	44.1 W
<b>Galvanic isolation primary/secondary</b>	SELV

1) Permitted voltage range

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

3) Full load at 230 V / 50 Hz

4) at 230 V, 50 Hz

5) At 230 V, Input power 50 W max.

6)  $t_{width} = 100 \mu s$  (measured at 50 %  $I_{peak}$ )

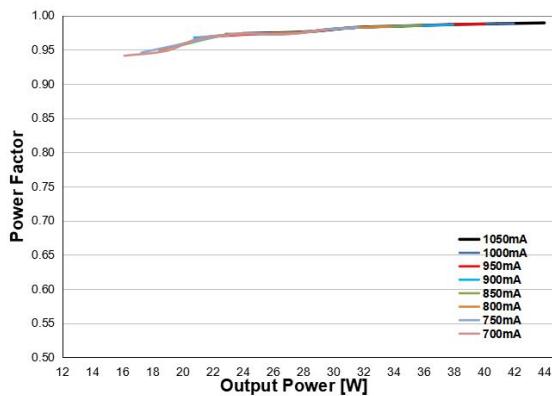
7) L/N

8) L/N – PE acc to EN 61547 Clause 5.7

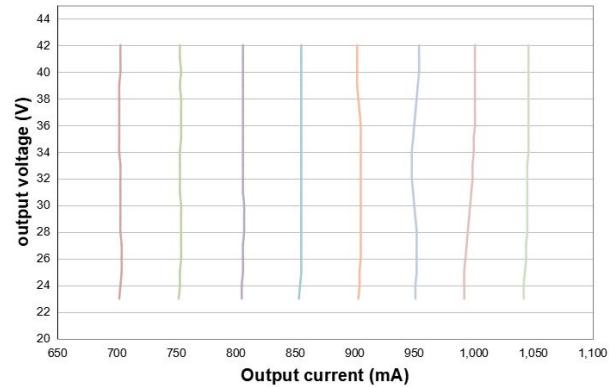
9) ±5%

10) Ripple average at 100 Hz

Typical Power Factor v Load

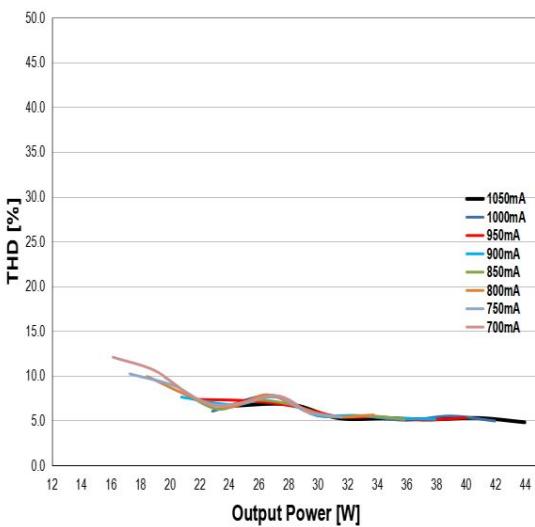


Operating Window



IT FIT 40 1A0 CS Independent Typical Power Factor vs Load

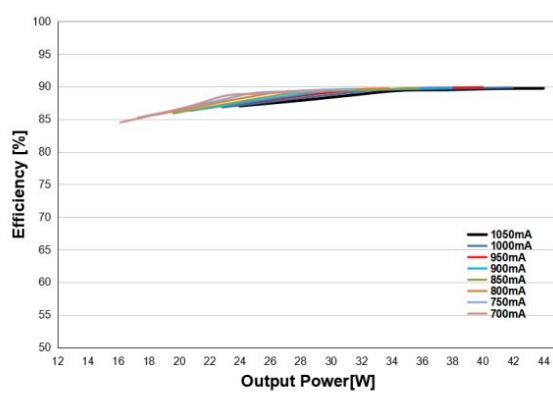
Typical THD v Load



IT FIT 40 1A0 CS Independent Typical THD vs Load

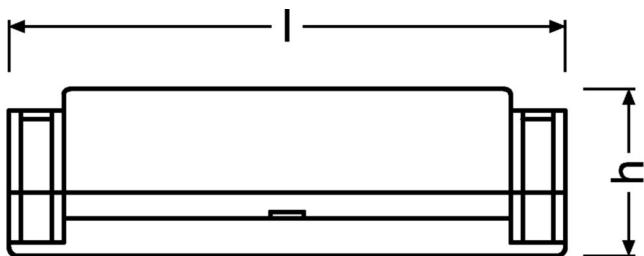
IT FIT 40 1A0 CS Independent Operating Window

Typical Efficiency v Load 230 V 50 Hz



IT FIT 40 1A0 CS Independent Typical Efficiency vs Load

## Dimensions &amp; weight



Product weight	108.00 g
Length	97.0 mm
Width	43.0 mm
Height	29.5 mm
Mounting hole spacing, length	88.0 mm
Mounting hole spacing, width	34.0 mm
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup>
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Cable/wire length, output side	2000 mm

## Colors &amp; materials

Casing material	Plastic
Product color	White

## Temperatures &amp; operating conditions

Ambient temperature range	-20...+50 / -20...+45 °C
Maximum temperature at tc test point	80 °C <sup>1)</sup>
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-20...80 °C <sup>2)</sup>
Permitted rel. humidity during operation	5...85 % <sup>3)</sup>

1) Measured on tc point indicated on the product label.

2) Cool down before operating

3) Maximum 56 days/year at 85 %

**Lifespan**

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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1) At maximum  $T_c = 80^\circ\text{C}$  / 10% failure rate**Additional product data**

<b>Encapsulated</b>	No
<b>Predecessor EAN</b>	4052899617339

**Capabilities**

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

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

**Programming**

<b>Programming device</b>	DIPswitch
<b>Tuner4TRONIC</b>	not relevant
<b>Tuner4TRONIC Field App</b>	not relevant
<b>Box programming</b>	not relevant

**Certificates & standards**

<b>Approval marks – approval</b>	CE / CCC / RCM / UKCA / ENEC 25
<b>Standards</b>	Acc. to IEC 61347-1 / Acc. to IEC 61347-2-13 / Acc. to IEC 62384 / Acc. to CISPR 15 / Acc. to IEC 61000-3-2 / Acc. to IEC 61000-3-3 / Acc. to IEC 61547
<b>Type of protection</b>	IP20

**Logistical data**

<b>Commodity code</b>	85044083900
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**Environmental information****Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)**

<b>Date of Declaration</b>	26-09-2024
<b>Primary Article Identifier</b>	4062172326384   6977078991797
<b>Declaration No. in SCIP database</b>	In work
<b>SCIP_STATUS</b>	In work
<b>SCIP_ID</b>	

## 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.

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### Additional product information

- Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.

## Download Data

<b>File</b>		
CAD data 3-dim	Compressed	►IT FIT 220-240 CS CAD3PDF 120122
Mandatory Publications	PDF	►IT FIT CS I CE 4304021 05 080823
Mandatory Publications	PDF	►IT FIT CS I UK DoC 4304027 03 220923
User instruction	PDF	►IT FIT 220-240 CS UI 15116985 120122

**Logistical Data**

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172326384	IT FIT 40/220-240/1A0 CS	Shipping carton box 50 Pieces	225 x 214 x 180 mm	8.67 dm <sup>3</sup>	114.10 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
IT FIT 40/220-240/1A0 CS	OT CABLE CLAMP D-STYLE	►4052899077904
IT FIT 40/220-240/1A0 CS	OT CABLE CLAMP D-STYLE	►4062172345507
IT FIT 40/220-240/1A0 CS	OT CABLE CLAMP D-STYLE	►4050732420573
IT FIT 40/220-240/1A0 CS	OT CABLE CLAMP D-STYLE	►6977770432086
IT FIT 40/220-240/1A0 CS	OT CABLE CLAMP D-STYLE TL	►4062172349185
IT FIT 40/220-240/1A0 CS	OT CABLE CLAMP D-STYLE TL	►6977770432109

**Disclaimer**

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