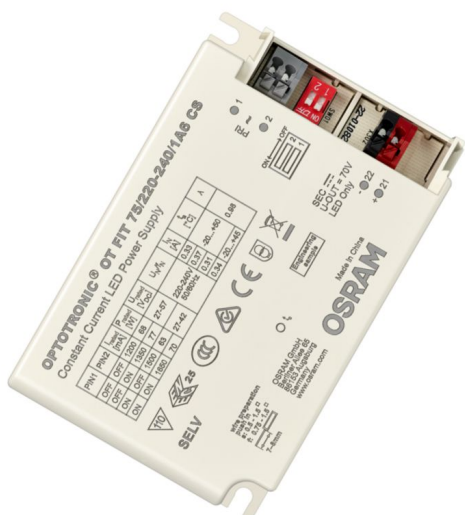


The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

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
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Nominal input current at 230 V	0.370 A
Total harmonic distortion	< 10 % ¹⁾
Power factor λ	0.95...0.98
Efficiency in full-load	91 % ²⁾
Device power loss	8.6 W ³⁾
Inrush current	< 40 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	10
Max. ECG no. on circuit breaker 16 A (B)	16
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Protective conductor current	<0.7 mA
Nominal output voltage	27...57 V / 27...42 V ⁵⁾
U-OUT (working voltage)	70 V
Nominal output current	1200 mA / 1350 mA / 1500 mA / 1650 mA
Default output current	1650 mA
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	32.5...77 W
Maximum output power	77 W
Galvanic isolation primary/secondary	SELV

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

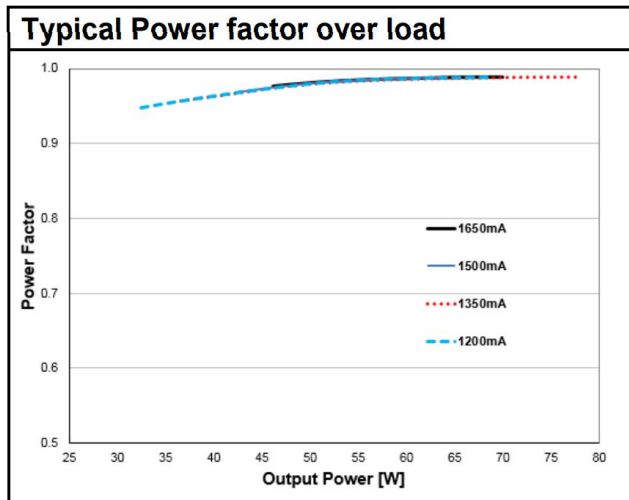
2) at 230 V, 50 Hz

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

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

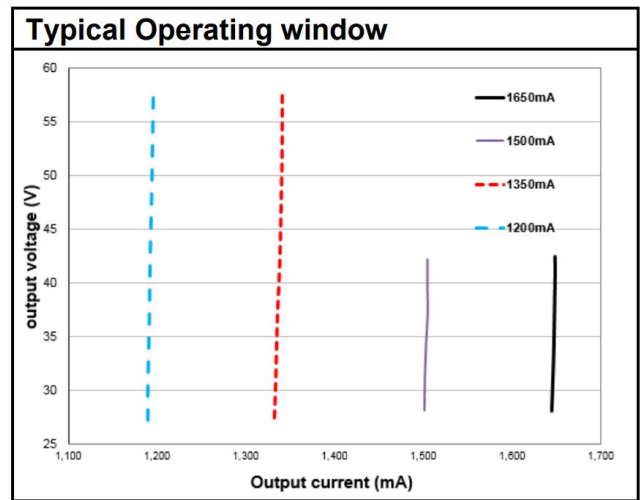
5) At output current 1200/1350 mA / At output current 1500/1650 mA

Typical Power Factor v Load



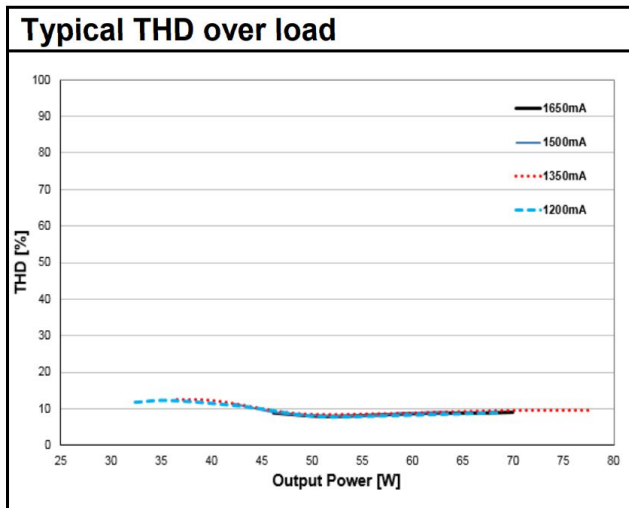
OT FIT 75/220-240/1A6 CS Typical Power Factor vs. Load

Operating Window



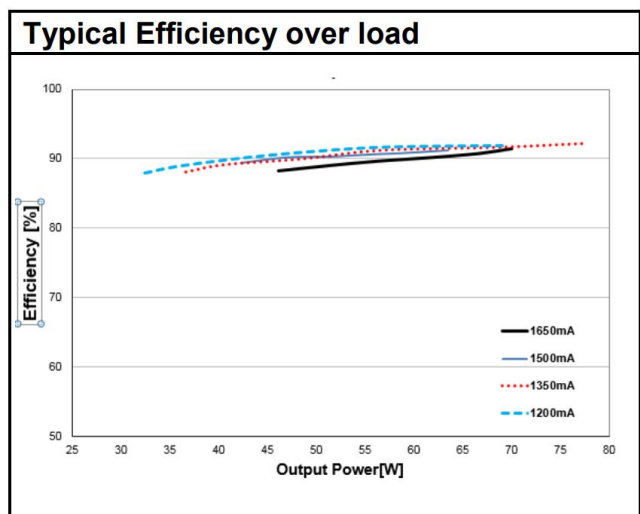
OT FIT 75/220-240/1A6 CS Operating Window

Typical THD v Load



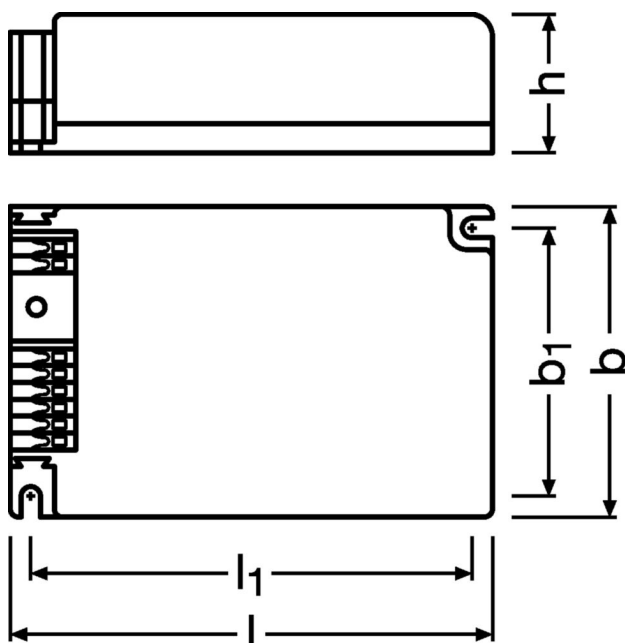
OT FIT 75/220-240/1A6 CS Typical THD Vs Load

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



Product weight	170.00 g
Length	103.0 mm
Width	67.0 mm
Height	29.5 mm
Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm
Cable cross-section, input side	0.5...1.5 mm ² / 0.75...1.5 mm ² ¹⁾
Cable cross-section, output side	0.5...1.5 mm ² / 0.75...1.5 mm ² ¹⁾
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Cable/wire length, output side	2000 mm

1) Solid/ Flexible Leads

Colors & materials

Casing material	Plastic
Product color	White

Temperatures & operating conditions

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

1) Non-condensing

Lifespan

ECG lifetime	50000 h / 30000 h ¹⁾
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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

Capabilities

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

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

Programming

Programming device	DIPswitch
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Certificates & standards

Approval marks – approval	CCC / CE / RCM / ENEC 05
Standards	IEC 61347-1 / IEC 61347-2-13 / IEC 62384 / IEC 61000-3-2 / IEC 61000-3-3 / IEC 61547 / CISPR 15
Type of protection	IP20

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	26-02-2025
Primary Article Identifier	4052899999565 6977770437562
Declaration No. in SCIP database	In work
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 12 200125
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 ³	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	▶ 6977770432147
OT FIT 75/220-240/1A6 CS	OT CABLE CLAMP B-STYLE TL	▶ 4052899948051
OT FIT 75/220-240/1A6 CS	OT CABLE CLAMP B-STYLE TL	▶ 6977770432161

Disclaimer

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