

IT FIT 75/220...240/1A6 CS L

ICUTRONIC IT FIT CS L (SELV) | Linear / Area Constant Current – Non dimmable



Product family features

- Output current up to 1600 mA
- Output power up to 75 W
- Low THD <15% @ full load
- Input voltage: 220 – 240 VAC
- Ambient temp range ta: -25 to +50 °C
- Wide output voltage range
- Low LF-ripple < 5%
- Very high efficiency up to 87%
- Fixed output (no dimming)
- 5 years guarantee*

Product family benefits

- Flexible with 1 driver offers 4 output currents
- High quality light with very low ripple
- Very high efficiency up to 87%
- Enable slim fixture design with flat 21 mm height metal housing
- Long lasting and high reliability
- SELV driver

Areas of application

- Linear and area lighting
- Office, industrial and shop lighting

Technical data

Electrical data

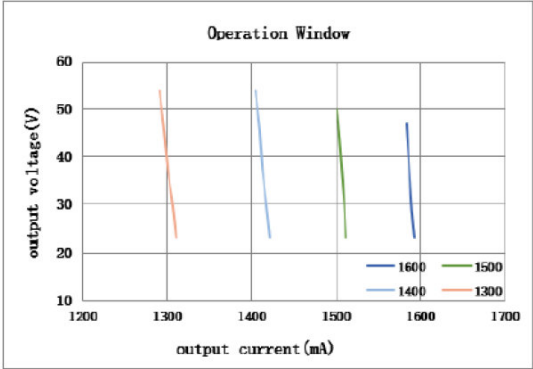
Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Current set	DipSwitch
Power factor λ	094C...098
Efficiency in full-load	88 % ¹⁾
Device power loss	9.77 W
Inrush current	19.8 A ²⁾
Max. ECG no. on circuit breaker 10 A (B)	12
Max. ECG no. on circuit breaker 10 A (C)	18
Max. ECG no. on circuit breaker 16 A (B)	19
Max. ECG no. on circuit breaker 16 A (C)	29
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	23...54 V
Nominal output current	1300 / 1400 / 1500 / 1600 mA ³⁾
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	29.9-76.8 W
Maximum output power	76.8 W
U-OUT (working voltage)	< 60 V
Total harmonic distortion	< 15 %
Output current tolerance	±7.5 %
Default output current	1600 mA

¹⁾ at 230 V, 50 Hz

²⁾ $t_{width} = 220 \mu s$ typical (measured at 50 % I_{peak})

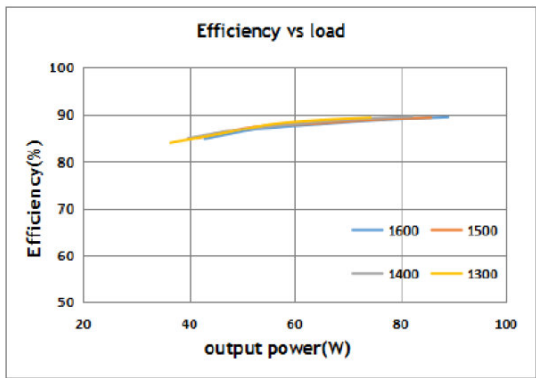
³⁾ ±5%

Typical Operating window



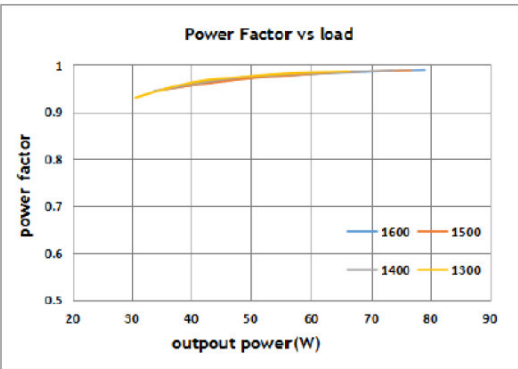
IT FIT 75220-2401A6 CS L

Typical Efficiency vs load



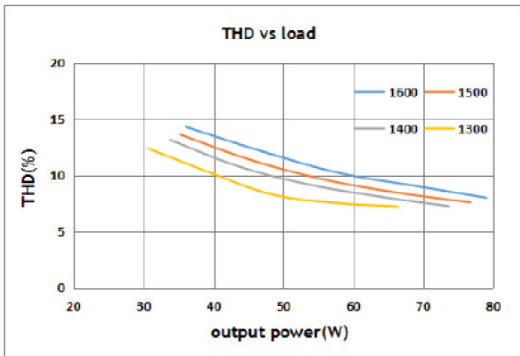
IT FIT 75220-2401A6 CS L

Typical Power factor vs load



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Typical THD vs load



IT FIT 75220-2401A6 CS L

Dimensions & weight



Mounting hole spacing, length	270.0 mm
Product weight	19250 g
Cable cross-section, input side	0.5...1.5 / 0.75...1.5 mm ^{2 1)}
Cable cross-section, output side	0.5...1.5 / 0.75...1.5 mm ^{2 1)}
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Length	2800 mm
Width	300 mm
Height	210 mm

¹⁾ Solid/ Flexible Leads

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-25...+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-25...80 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 / 100000 h ¹⁾
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¹⁾ At T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Additional product data

Encapsulated	No
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Product datasheet

Predecessor EAN	4052899617452
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Intended for no-load operation	No
Max. cable length to lamp/LED module	2.0 m ¹⁾
Suitable for fixtures with prot. class	I / II
Control interface	-
Number of channels	1

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

Programming

Tuner4TRONIC	No
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Certificates & standards

Approval marks – approval	CE / ENEC / CCC / RCM / BIS / TISI / EAC / UKCA
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 61547/Acc. to IEC 6100-4-5
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	21-11-2023
Primary Article Identifier	4062172212762
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	55750f64-2217-4efc-b6e8-24e493081c30

Product datasheet

Download Data

File	
	Certificates IT FIT CS L DEKRA 35 117749 080321
	Certificates IT FIT CS L CB NL 71241 080321
	Certificates IT FIT CS L CB NL 100907 231023
	Certificates IT FIT CS L DEKRA 35 120271 201123
	Certificates IT FIT 75 CS L CCC 2020171002003127 201123
	Declarations of conformity IT FIT CS L CE 4205372 161023
	Declarations of conformity IT FIT CS L UK DoC 4281081 040923

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
4062172212762	IT FIT 75/220...240/1A6 CS L	Shipping carton box 20	307 mm x 162 mm x 130 mm	6.47 dm ³	4215.00 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.

References / Links

* For more information on the multi-level guarantee and the terms and conditions of the guarantee visit <https://>

Product datasheet

► www.inventronics-light.com/multilevel-guarantees

Disclaimer

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