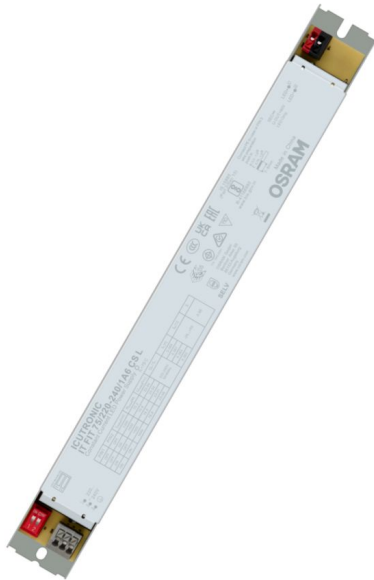


IT FIT 75/220...240/1A6 CS L

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 t_a : -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 |
| Input voltage DC | not relevant |
| Current set | DipSwitch |
| Total harmonic distortion | < 15 % |
| Power factor λ | 0.94C...0.98 |
| 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 16 A (B) | 19 |
| Surge capability (L/N-Ground) | 2 kV |
| Surge capability (L-N) | 1 kV |
| Nominal output voltage | 23...54 V |
| U-OUT (working voltage) | < 60 V |
| Nominal output current | 1300 mA / 1400 mA / 1500 mA / 1600 mA ³⁾ |
| Default output current | 1600 mA |
| Output current tolerance | ± 7.5 % |
| 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 |
| Galvanic isolation | SELV |

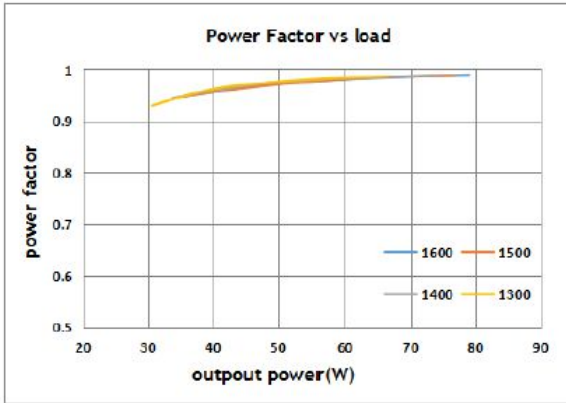
1) at 230 V, 50 Hz

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

3) $\pm 5\%$

Typical Power Factor v Load

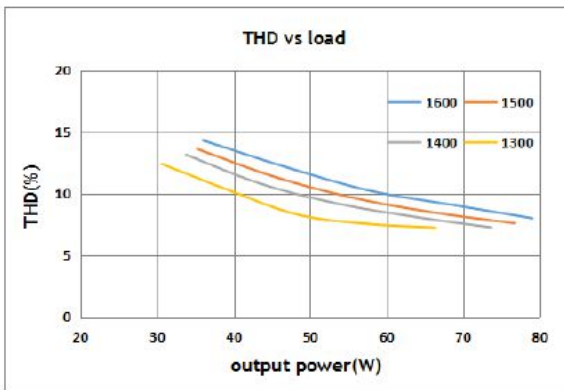
Typical Power factor vs load



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

Typical THD v Load

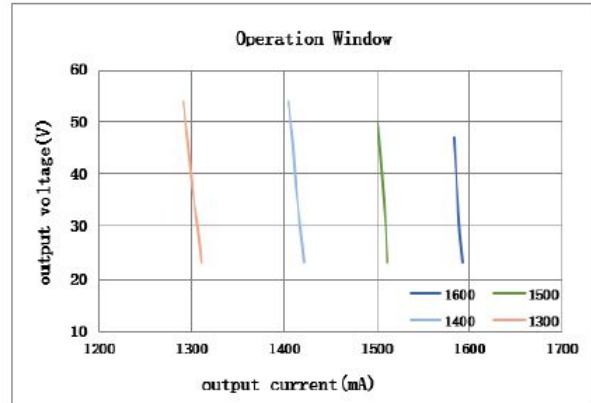
Typical THD vs load



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

Operating Window

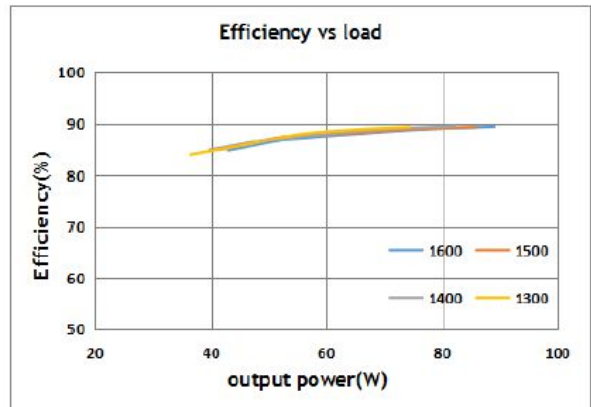
Typical Operating window



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

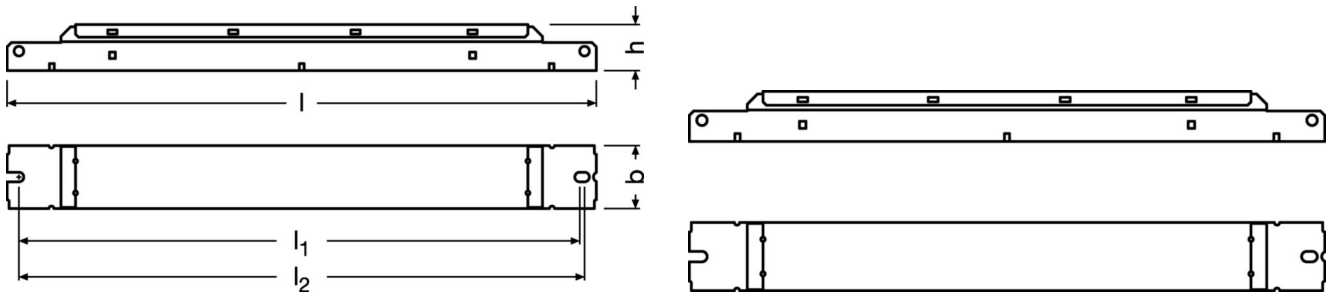
Typical Efficiency v Load 230 V 50 Hz

Typical Efficiency vs load



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

Dimensions & weight



| | |
|---|--|
| Length | 280.0 mm |
| Width | 30.0 mm |
| Height | 21.0 mm |
| Mounting hole spacing, length | 270.0 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 |
| Product weight | 192.50 g |

1) Solid/ Flexible Leads

Colors & materials

| | |
|------------------------|-------|
| Casing material | Metal |
|------------------------|-------|

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 h / 100000 h ¹⁾ |
|---------------------|----------------------------------|

1) At T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Additional product data

| | |
|---------------------|----|
| Encapsulated | No |
|---------------------|----|

Capabilities

| | |
|---|----------------------|
| Programming interface | Dipswitch |
| Dimmable | No |
| Constant lumen function | 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 |
| 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 | not relevant |
| Tuner4TRONIC | No |

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 |
| Protection class | I,II |

Logistical data

| | |
|----------------|-------------|
| Commodity code | 85044083900 |
|----------------|-------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---|---------------|
| Date of Declaration | 24-03-2024 |
| Primary Article Identifier | 4062172212762 |
| Declaration No. in SCIP database | In work |

Download Data

| File | | |
|----------------------------|-----|---|
| Certificates | PDF | ▶IT FIT CS L DEKRA 35 117749 080321 |
| Certificates | PDF | ▶IT FIT CS L CB NL 71241 080321 |
| Certificates | PDF | ▶IT FIT CS L CB NL 100907 231023 |
| Certificates | PDF | ▶IT FIT CS L DEKRA 35 120271 201123 |
| Certificates | PDF | ▶IT FIT 75 CS L CCC 2020171002003127 201123 |
| Declarations of conformity | PDF | ▶IT FIT CS L CE 4205372 161023 |
| Declarations of conformity | PDF | ▶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 Pieces | 307 x 162 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

References / Links

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

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