

IT FIT 18/220...240/350 CS D L

ICUTRONIC IT FIT D CS L (non-isolated) | Linear / Area Constant Current – Non dimmable



Areas of application

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

Product family benefits

- Flexible with 1 driver offers 4 output currents
- High quality light with very low ripple
- Very high efficiency up to 93%
- Enable slim fixture design with flat 21 mm height metal housing
- Long lasting and high reliability
- Non-isolated driver



Product datasheet

Product family features

- Output current: 350/400/500/550 mA
- Low THD <15% @ full load
- Output power: 5 W – 75 W
- 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 93%
- Fixed output (no dimming)
- Lifetime: up to 50,000 h

Technical data

Electrical data

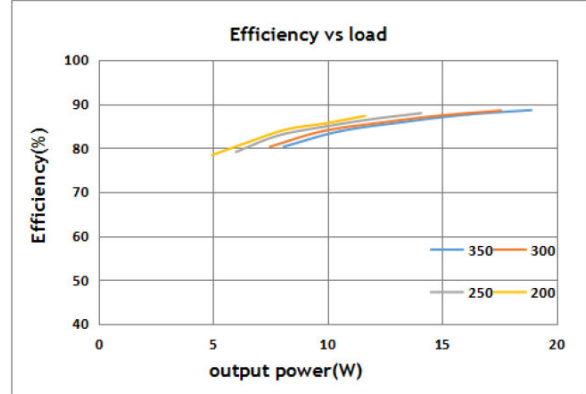
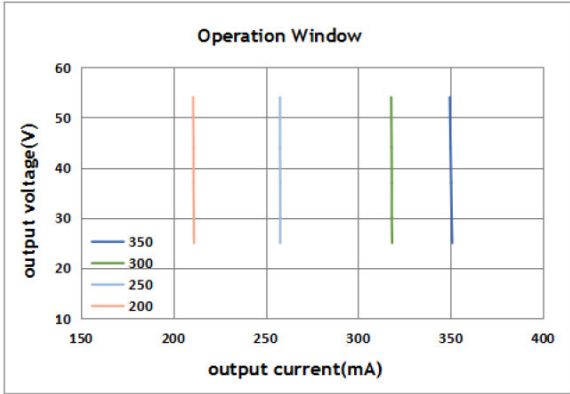
Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Current set	DipSwitch
Power factor λ	≥ 0.95
ECG efficiency	87 % ¹⁾
Device power loss	2.8 W ²⁾
Inrush current	7.7 A ³⁾
Max. ECG no. on circuit breaker 10 A (B)	43
Max. ECG no. on circuit breaker 10 A (C)	67
Max. ECG no. on circuit breaker 16 A (B)	69
Max. ECG no. on circuit breaker 16 A (C)	107
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	200 / 250 / 300 / 350 mA ⁴⁾
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	5...18.9 W

¹⁾ Full load, 220 – 240 V, 50 Hz

²⁾ At 230 V, Input power 22 W max.

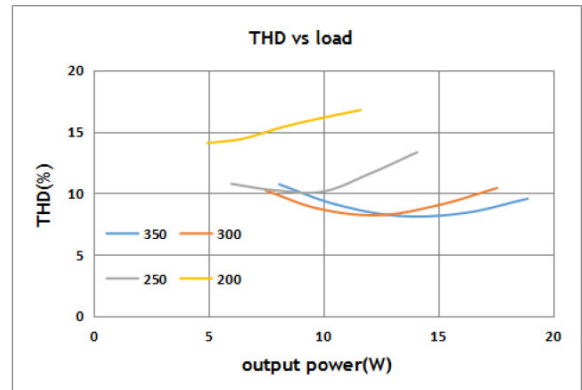
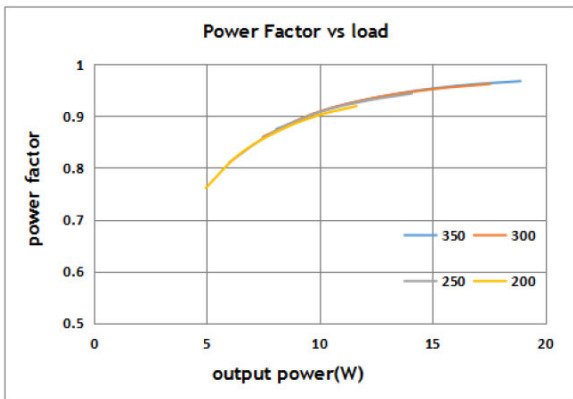
³⁾ $t_{width} = 220 \mu s$ (measured at 50 % I_{peak})

⁴⁾ $\pm 7.5\%$



Operating Window

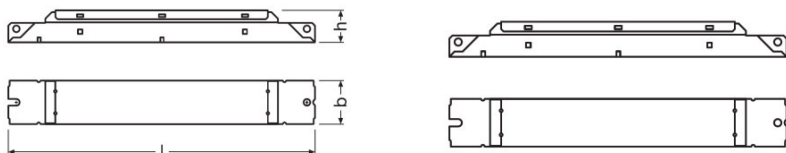
Typical Efficiency v Load 230 V 50 Hz



Typical Power Factor v Load

Typical THD v Load

Dimensions & weight



Mounting hole spacing, length	200.0 mm
Product weight	110.00 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
Length	210.0 mm
Width	30.0 mm
Height	21.0 mm

¹⁾ Solid/ Flexible Leads

Temperatures & operating conditions

Ambient temperature range	-25...+50 °C
Maximum temperature at tc test point	70 °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⁾ Non-condensing

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At maximum $T_c = 70^\circ\text{C}$ / 10% failure rate

Additional product data

Encapsulated	Yes
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible

Product datasheet

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

Certificates & standards




Approval marks – approval	CCC / CE / ENEC ¹⁾
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
Type of protection	IP20

¹⁾ In preparation

Logistical data

Commodity code	850440829000
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Download Data

File
 User instruction ICUTRONIC LED Power Supply
 Certificates IT FIT CS L DEKRA 35 113195 030820
 Declarations of conformity IT FIT CS D L CE 4205375 290420

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899617384	IT FIT 18/220...240/350 CS D L	Shipping carton box 20	375 mm x 230 mm x 88 mm	7.59 dm ³	2690.00 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.

Disclaimer

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