Light is OSRAM



Product data sheet: ICUTRONIC IT FIT 4/220-240/400 CS I

Compact constant current LED driver

Suitable for single LEDs or small LED arrays

Compact SELV on/offl driver Very compact housing and integrated cable clamps

Benefits

Low output voltage starting at 2.5V Dipswitches for 4 output currents High light quality with very low ripple Integrated cable clamps for independent installation

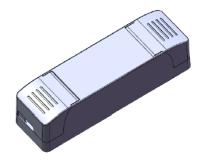
Applications

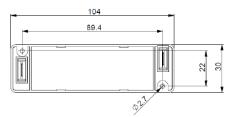
Spots and downlights Hospitality – Shop

Approbations & Certifications
CE, ENEC, CCC, RCM, EAC, BIS

In preparation, if not already printed on the label

Housing material: plastic, white.







Product Features

Output currents 100/200/300/400mALow THD, high PF

— Output voltage 2.5 – 10V
— Low LF-ripple < 5%</p>

Output power 0.25 – 4W
 Typical efficiency 75%

Fixed output (no dimming)Up to 50,000h lifetime

Extra compact housing
 5 years guarantee

Integrated cable clamps
 Suitable for class I and II luminaires

Version: final - Apr 2021

Electrical Specifications

	Item	Value	Unit	Remarks
	Nominal voltage	220 – 240	V	
	Nominal frequency	50 / 60	Hz	
	AC voltage range	198 – 264	V	
	DC voltage range		V	DC or RAC
	Maximum voltage	275	Vac	2 h maximum, unit might not operate in this abnormal condition
	Nominal current	0.027	Α	, , , , , , , , , , , , , , , , , , , ,
١.	Total Harmonic Distortion (THD)	< 10	%	Full load, 230 V, 50 Hz
NPUT	Power factor	0.8		Full load, 230 V, 50 Hz
	Efficiency	75	%	Full load, 230 V, 50 Hz
=	No-load power	< 0.5	W	230 V, typical
	Power loss	1.3	W	Full load, Max power, 230 V, 50 Hz , typical
	Protection class	II		
	Inrush current	<10	A pk	th = 100 µs (measured at 50% Ipeak)
	Max units nor sireuit breeker	B16: 213		
	Max. units per circuit breaker	B10: 133		
	Leakage current	< 0.7	mA	Output floating
	Nominal voltage range	2.5 – 10	V	
	Maximum voltage	< 60	Vdc	w/ Open Circuit
	Nominal current range	100/200/300/ 400	mA	
	Current accuracy	±10	%	
	Current ripple 100Hz	< 5	%	
	Pst LM	≤ 1.0	70	Full Load
١.	SVM	≤ 0.4		Full Load
OUTPUT	Nominal power range	0.25 – 4	W	1 dii Eddd
₽	Maximum power	4	W	
	Galvanic isolation	SELV	1	
	Carvario lociation	0221		
1	Dimming control	n.a		
	Dimming method	n.a		
Dimming	Dimming range	n.a	%	
Ē			70	
Ä	Dimming Standard	n.a		
	Ambient temperature range ta	-20+55	°C	
_	Maximum case temperature to	70	°C	Measured on tc point indicated of the product label
l ż	Max. case temp. in fault condition	110	°C	
Ξ	Storage temperature range	-20+80	°C	Cool down before operating
ENVIRONMENT	Relative humidity	5 85	%	Not condensing
盗	Surge transient protection	1 2	kV	L/N LN/PE acc. IEC 61000-3-2
≥	Environmental rating	Indoor	+	
ũ	IP rating	IP 20		
	Mains switching cycles	> 100'000	+.	400/ ()
L	Expected lifetime	50'000	h	tc max 10% failure rate

Protections

Weight

Overtemperature, Overload, No load, Short-circuit, Input overvoltage, Output overvoltage, Output undervoltage

Wiring Information

Terminal Push in

Max cable length 2m

Dimensions 104x30x26mm

6mm **7-8**mm

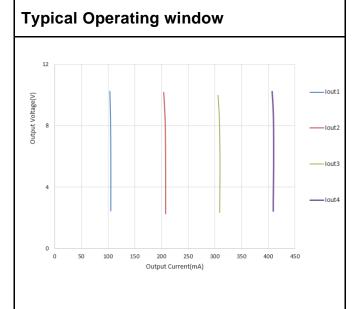
wire preparation push in s: 0.5 - 1.5 __

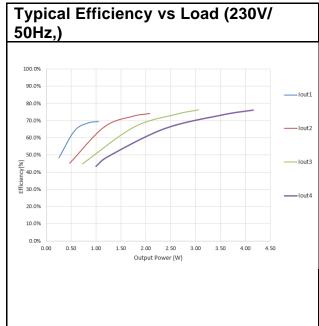
For independent: 0.75-1.5 mm² H03VVH2-F 2*0.75 mm²; H05VVH2-F 2*1.0 mm²

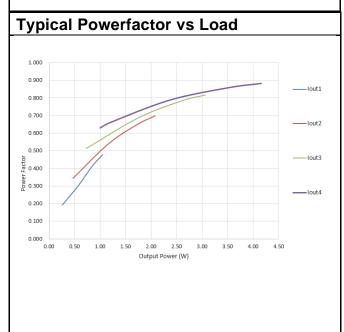
54g

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

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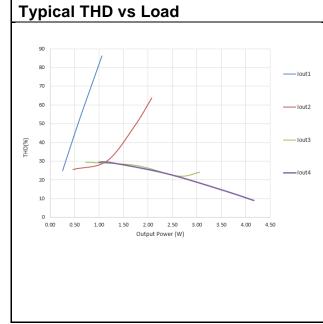


Table 1 - Rated output power and current sets					
I out (mA)	100	200	300	400	
U min [V]	2.5	2.5	2.5	2.5	
U max [V]	10	10	10	10	
P min [W]	0.25	0.5	0.75	1	
P max [W]	1	2	3	4	
Ta [°C]	55	55	55	55	
Tc [°C]	70	70	70	70	
Line Current, nominal@230V	18	21	22	27	
Max Power Loss@230V [W]	0.5	0.8	1	1.3	
Input Power @230V [W]	1.5	2.8	4	5.3	

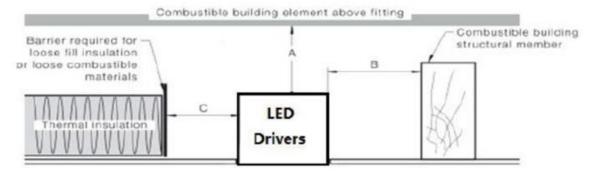
Pin1	Pin2	Current		
ON	ON	400		
ON	OFF	300		
OFF	ON	200		
OFF	OFF	100		

Current selection by DIP-switch

Product type	EAN10
IT FIT 4/220-240/400 CS I	4062172199261

Remarks

- Input over voltage protection: mains up to 275 Vac, for 2 hours maximum, will not destroy both the unit and the load;
 shut down of load might occur in this condition.
- Output short circuit / under voltage protection: automatic reversible
- Output overload protection: automatic reversible
- Output over voltage protection: limitation of output voltage <60V
- No load operation: limitation of output voltage <60V. Do not put a switch between load and unit.
- Over temperature protection: automatic reversible
- Touch current: lower than 0.7 mA, according to EN 60598-1 ann. G and EN 61347-1 annex A
- The LED control gear cannot be abutted against or covered by normally flammable materials or used in installations where building insulation or debris is, or may be, present in normal use.
- The minimum clearance distance from the top and sides of the controlgear to normally flammable building elements is
 A=B=C=Min.10mm, this clause does not apply when the LED driver is built-in the luminares (for Australia and New Zealand).



Standards

 $\mathsf{IEC}\ 61347\text{--}1;\ \mathsf{IEC}\ 61347\text{--}2\text{--}13;\ \mathsf{IEC}\ 62384;\ \mathsf{EN}\ 55015;\ \mathsf{IEC}\ 61000\text{--}3\text{--}2;\ \mathsf{IEC}\ 61000\text{--}3\text{--}3$

IEC 61547: CISPR 15

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