

Light is OSRAM

OSRAM

## IT FIT 120 / 220 – 240 / 750 D CS L

Constant Current LED Power Supply

550mA - 600mA - 700mA- 750mA

ICUTRONIC LED Power Supply is the reliable choice for linear and area fixtures for office - industrial - shop lighting

### Benefits

- Flexible with 1 driver offers 4 output currents;
- High quality light with very low ripple;
- Very high efficiency up to 94%
- Enable slim fixture design with flat 21mm height metal housing
- Long lasting and high reliability
- Non isolated driver

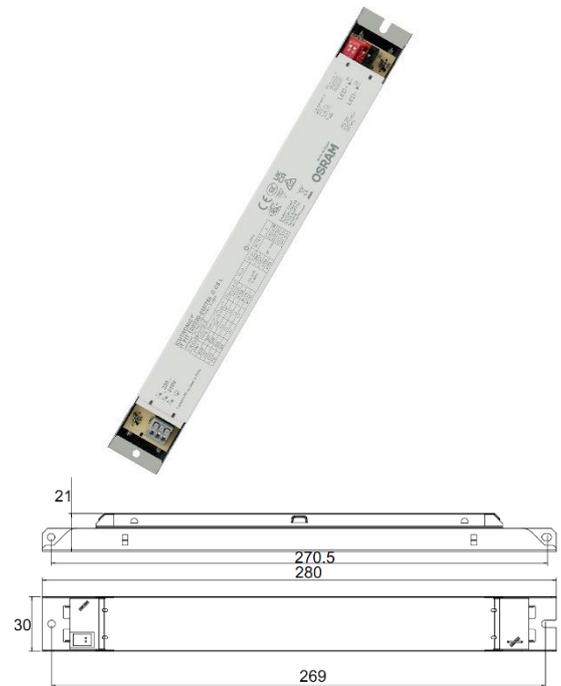
### Applications

- Linear and area lighting
- Industrial – warehouse – highbay, etc.

### Approbations & Certifications

**CE, CCC, RCM, UKCA, ENEC**

In preparation, if not already printed on the label



### Product Features

- Output current: 550/600/700/750mA
- Low THD < 15% @ full load
- Output power : 29.7W – 121W
- Input voltage: 220 – 240V<sub>AC</sub>
- Ambient temp range ta : -25 to +50°C
- Wide output voltage range
- Low ripple < 5%
- Very high efficiency up to 94%
- Fixed output ( no dimming)

	Item	Value	Unit	Remarks
INPUT	Nominal voltage	220 – 240	V	
	Nominal frequency	50 / 60	Hz	
	AC voltage range	198 – 264	V	
	DC voltage range	NA	V	
	Maximum voltage	300	Vac	2 h maximum, unit might not operate in this abnormal condition
	Nominal current	0.54	A	230V, Refer to Table 1 for details
	Total Harmonic Distortion (THD)	< 15	%	Full load, 220 – 240 V, 50 Hz / see graphs
	Power factor	≥ 0.95		Full load, 220 – 240 V, 50 Hz / see graphs
	Efficiency	94	%	Full load, 220 – 240 V, 50 Hz / see graphs
	Power loss	7.7	W	At 230V, Refer to Table 1 for details
	Protection class	I		Suitable for class I/II luminaire
	Inrush current	56.4	A	$t_{width} = 132 \mu s$ typical (measured at 50% Ipeak)
	OUTPUT	Nominal voltage range	54-220	V
54-200			@ 600 mA output current,	
54-170			@ 700 mA output current;	
54-160			@ 750 mA output current; Refer to Table 1 for details Exceed rated output voltage is not allowed	
Maximum voltage		< 250	Vdc	w/ Open Circuit
Nominal current range		550/600/700/750	mA	
Current accuracy		+/- 7.5	%	
Current ripple 100Hz		< 5	%	
Nominal power range		29.7-121	W	Partial Load. Refer to Table 1 for details. Exceed rated output power is not allowed
Maximum power		121	W	
Output PSTLM		≤1		
Output SVM		≤0.4		
Galvanic isolation		Non isolated		
ENVIRONMENT	Ambient temperature range $t_a$	-25 ...+50	°C	
	Maximum case temperature $t_c$	75	°C	Measured on $t_c$ point indicated of the product label
	Max. case temp. in fault condition	110	°C	
	Storage temperature range	-25 ...+80	°C	
	Relative humidity	5 ... 85	%	Not condensing
	Surge transient protection	1   2	kV	L/N   LN/PE acc to. EN 61547 Clause 5.7
	Environmental rating	Indoor		
	IP rating	IP 20		
	Mains switching cycles	> 100'000		
	Expected lifetime	50'000	h	$t_{cmax} = 75^{\circ}C$ , 10% failure rate
100'000		$t_{cmax} = 65^{\circ}C$ , 10% failure rate		

## Protections

### Over temperature

Automatic(Output current reduced), reversible,

### Overload

Automatic, reversible

### Short-circuit

Automatic, reversible

### No load,

Yes

### Input overvoltage

Maximum allowed input voltage 300V AC/ 1hr

### Output overvoltage

Yes, Limitation of Output voltage < 250Vrms

### Output under voltage

NA

## Wiring Diagram

Terminal:	Push in terminals
Max. cable length :	2 m
Geometry (l x b x h):	280 x 30 x 21 mm
Weight:	193.5g

### Wire preparation:

Push in  
s:0.5-1.5  
f:0.75-1.5  
  
7-8 mm

Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs. Indication that the lamp controlgear relies upon the luminaire enclosure for protection against accidental contact with live part

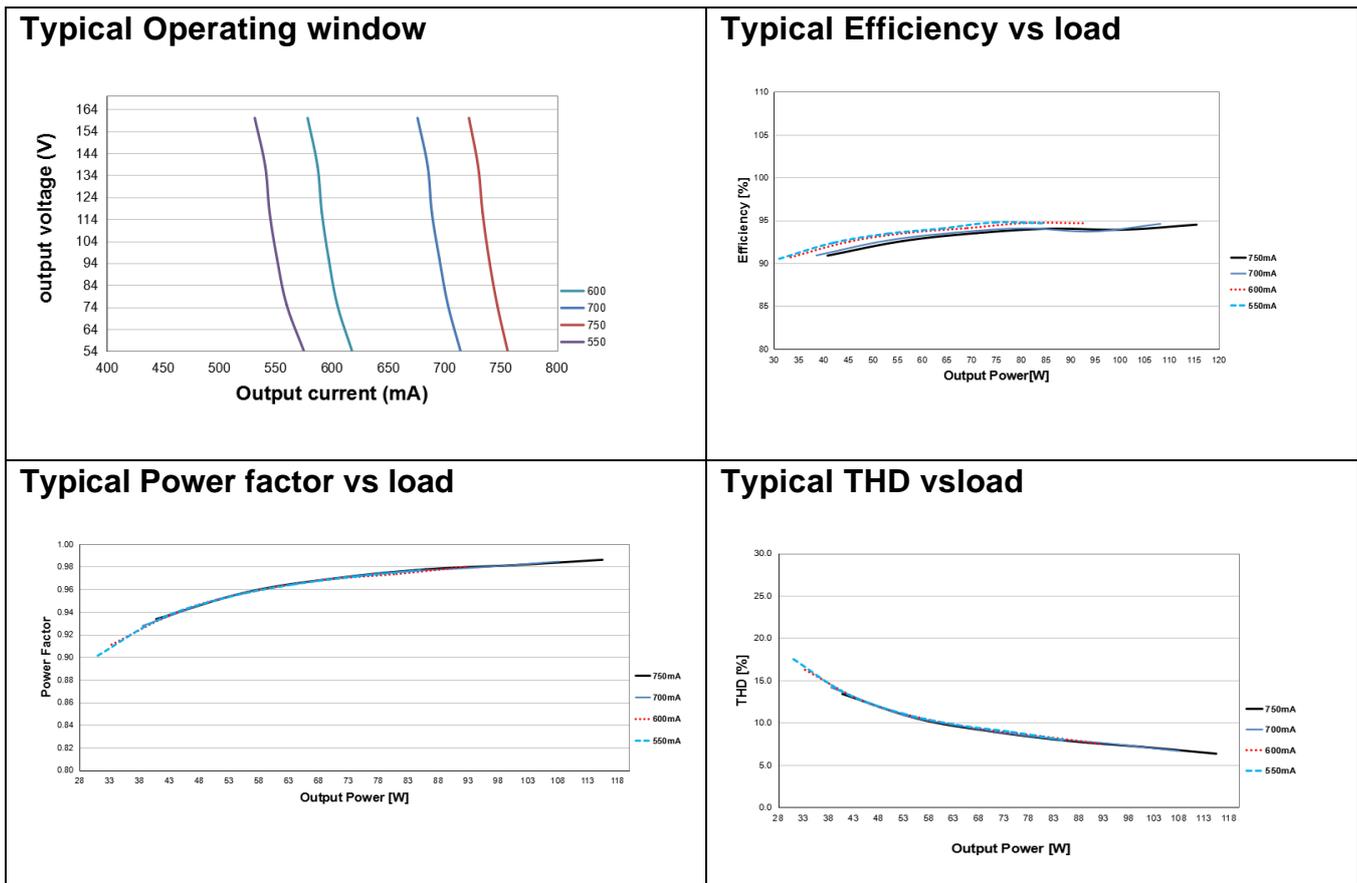


Table 1 - Rated output power and current sets				
<b>I<sub>out</sub> [mA]</b>	<b>550</b>	<b>600</b>	<b>700</b>	<b>750</b>
<b>U<sub>min</sub> [V]</b>	54	54	54	54
<b>U<sub>max</sub> [V]</b>	220	200	170	160
<b>P<sub>min</sub> [W]</b>	29.7	32.4	37.8	40.5
<b>P<sub>max</sub> [W]</b>	121	120	119	120
<b>T<sub>a</sub> [°C]</b>	50	50	50	50
<b>T<sub>c</sub> [°C]</b>	72	73	74	75
<b>Line Current, nominal@230V [A]</b>	0.589	0.584	0.579	0.584
<b>Max Power Loss@230V [W]</b>	7.7	7.6	7.6	7.6
<b>Input Power @230V [W]</b>	128.7	127.6	126.6	127.6

<b>PIN1</b>	<b>PIN2</b>	<b>I<sub>rated</sub>[mA]</b>
<b>OFF</b>	<b>OFF</b>	<b>550</b>
<b>ON</b>	<b>OFF</b>	<b>600</b>
<b>OFF</b>	<b>ON</b>	<b>700</b>
<b>ON</b>	<b>ON</b>	<b>750</b>

Current selection by DIP-switch

## 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.

## Standards

Safety: IEC 61347-1, IEC 61347-2-13

Performance: IEC 62384

Harmonic content: IEC 61000-3-2

Immunity: IEC 61000-4-5

IEC 61547

Product name	EAN10	EAN40	Pieces / box
IT FIT 120/ 220 – 240 / 750 D CS L	4062172317245	4062172317252	20

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The OSRAM logo is displayed in a bold, orange, sans-serif font.