

OT FIT 75/220–240/1400 CS L AP

Constant Current LED Power Supply

1100mA - 1200mA - 1300mA- 1400mA

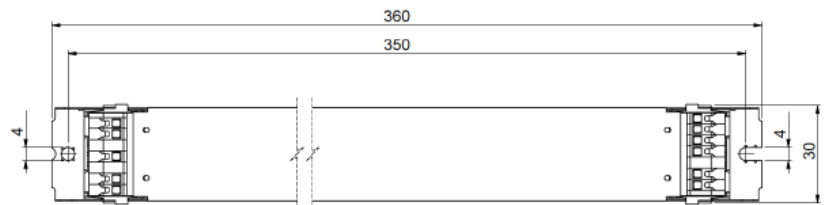
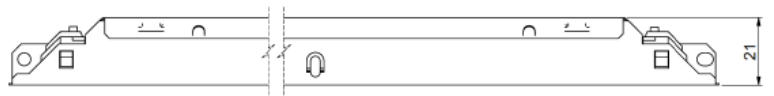
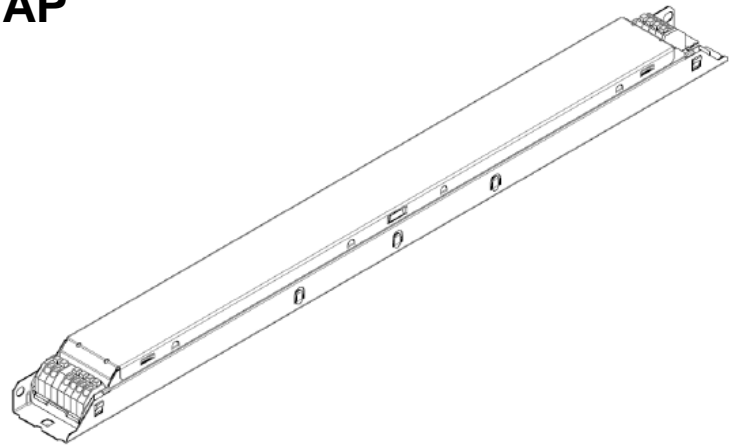
OPTOTRONIC® LED Power Supply is the reliable choice for linear and area fixtures for office - industrial - shop lighting

Benefits

Flexibility with 1 driver offers 4 output currents;
High quality light with very low ripple;
Enable slim fixture design with flat 21mm height metal housing
Long lasting and high reliability
Safety ensured by OSRAM (SELV)

Applications

Linear and area lighting
Office – industrial - shop



Housing material: metal, white painted.

Approval marks (under preparation if not on label)

**Product Features**

- Output current: 1100/200/1300/1400mA
- Output voltage : 27V_{DC} – 54V_{DC}
- Output power : 30W – 75.6W
- Input voltage: 220 – 240V_{AC}
- Ambient temp range t_a : -20 to +50°C
- Low ripple, low THD
- Fixed output (i.e. no dimming)
- Typ. Efficiency : 87%
- SELV
- 50'000 hours lifetime

Electrical Specifications

	Item	Value	Unit	Remarks
INPUT	Nominal voltage	220 – 240	V _{AC}	
	Nominal frequency	50 - 60	Hz	
	AC voltage range	198 – 264	V _{AC}	Permitted voltage range
	DC voltage range	NA	V	
	Maximum voltage	300	V	1hrs
	Nominal current	370	mA	230V, Refer to Table 1 for details
	Total Harmonic Distortion (THD)	< 10	%	Full load, 230 V, 50 Hz / see graphs
	Power factor	0.98		Full load, 230 V, 50 Hz / see graphs
	Efficiency	87	%	Full load, 230 V, 50 Hz, typical / see graphs
	Stand-by power	NA	W	
	Power loss	11	W	at 230V, Input power 85 W max. Refer to Table 1 for details
	Protection class	I		
	Inrush current	<16	A	t _{width} = 100 µs typical (measured at 50% I _{peak})
	Max. units per circuit breaker	B16: 17; B10: 11		
Leakage current	< 0.7	mA	Output floating	
OUTPUT	Nominal voltage range	27 – 54	V _{DC}	Refer to Table 1 for details
	Maximum voltage	60	V _{DC}	Open circuit
	Nominal current range	1100/1200/1300/1400	mA	
	Current accuracy	+/- 7.5	%	
	Current ripple	< 5	%	Ripple / average @ 100 Hz
	Nominal power range	30 – 75.6	W	Partial Load. Refer to Table 1 for details
	Maximum power	75.6	W	T _a =50°C, Refer to Table 1 for details
	Galvanic isolation	SELV		Output to mains - Touch current < 0.7 mA
DIMMING	Dimming control	No		Not dimmable
	Dimming range	NA	%	
	Dimming technique	NA		
	Frequency	NA	Hz	
	Galvanic isolation	NA		
ENVIRONMENT	Ambient temperature range t _a	-20 ... +50	°C	Refer to Table 1 for details
	Maximum case temperature t _c	80	°C	Measured on t _c point indicated of the product label.
	Max. case temp. in fault condition	110	°C	
	Storage temperature range	-20 ... +80	°C	Cool down before operating
	Relative humidity	5 ... 85	%	Not condensing
	Surge transient protection	1 2	kV	L/N LN/PE acc. IEC 61000-3-2 (ANSI C62.41 Cat.A ...)
	Environmental rating	Indoor		
	IP rating	IP 20		
	Mains switching cycles	> 100'000		
	Expected lifetime	50'000	hrs	t _c = 80°C, 10% failure rate

Protections

Over temperature

Automatic, reversible

Overload

Yes, non-reversible

No load

Yes, non-reversible

Short-circuit

Automatic, reversible

Input overvoltage

Maximum allowed input voltage 300V AC/ 1hr

Output overvoltage

Yes, Limitation of Output voltage < 60V

Output under voltage

NA

LED load protection

NA

Wiring Diagram

Terminal:

Max. cable length - system:

Geometry (l x b x h):

Weight:

Push in terminals

2 m

360 x 30 x 21 mm

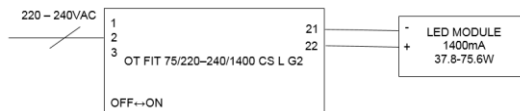
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Wire preparation:

Push in
s: 0.5-1.5

f: 0.75-1.5

7-8 mm



Example with 1400mA LED module

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

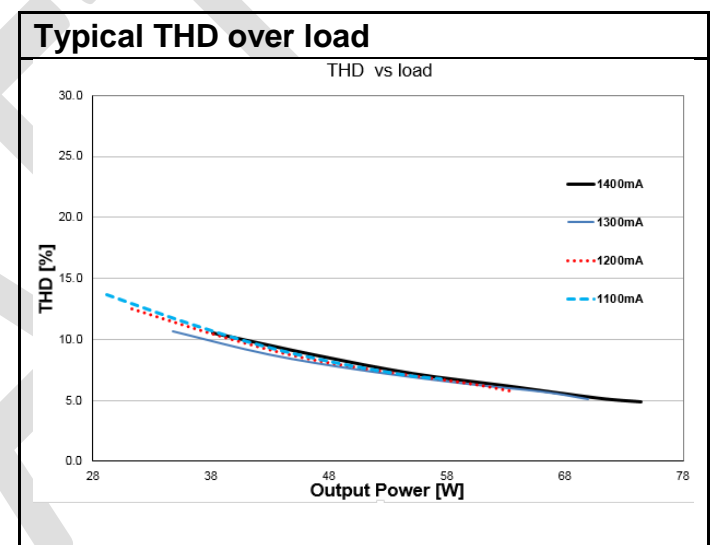
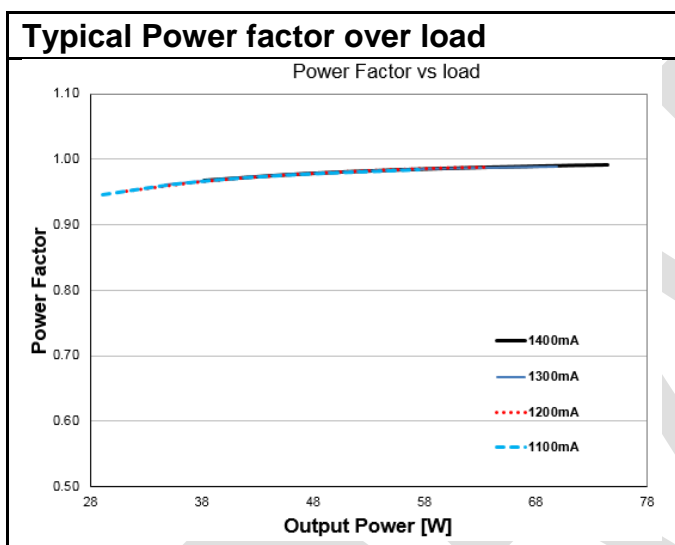
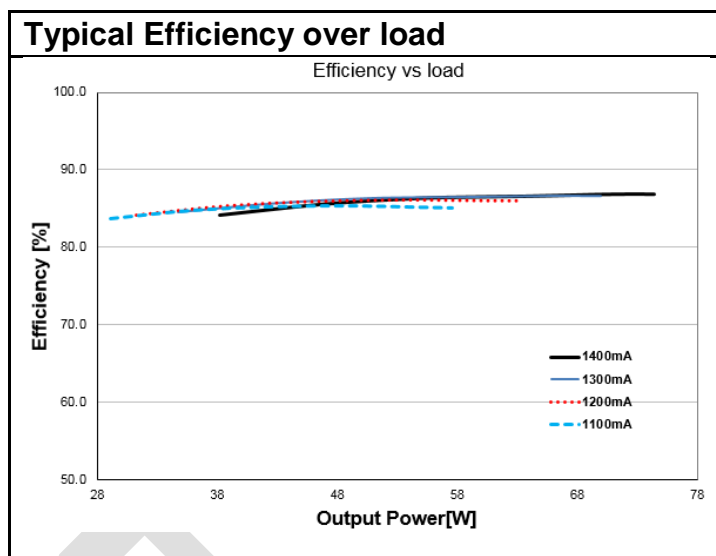
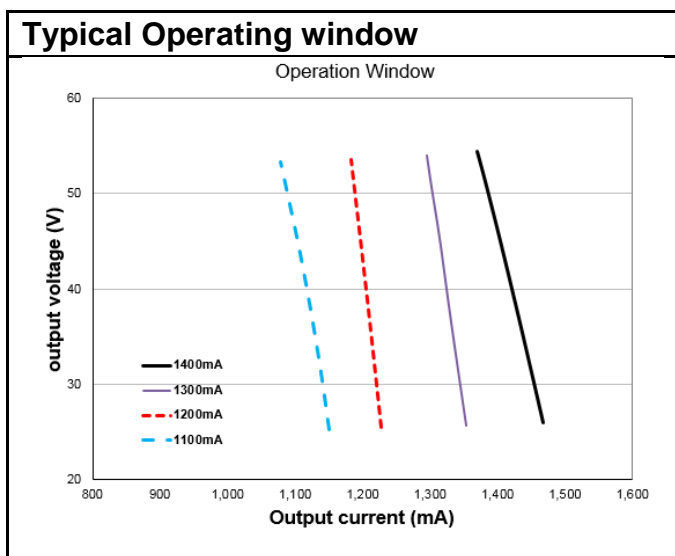


Table 1 - Rated output power and current sets

I_{out} (mA)	1100	1200	1300	1400
U min [V]	27	27	27	27
U max [V]	54	54	54	54
P min [W]	29.7	32.4	35.1	37.8
P max [W]	59.4	64.8	70.2	75.6
T_a [°C]	50	50	50	50
T_c [°C]	80	80	80	80
Line Current, nominal@230V mA	300	330	360	370
Max Power Loss@230V [W]	10.0	10.3	10.7	11.0
Input Power @230V [W]	68	74	81	85

Pin1	Pin2	Current
ON	ON	1400
ON	OFF	1300
OFF	ON	1200
OFF	OFF	1100

Current selection by DIP-switch

Standards

Safety: IEC 61347-1, IEC 61347-2-13
 Performance: IEC 62384
 Harmonic content: IEC 61000-3-2
 Immunity: IEC 61000-3-3
 IEC 61547

Product name	EAN10	EAN40	Pieces / box
OT FIT 75/220–240/1400 CS L AP	TBD	TBD	20

Manufacturer's address:

OSRAM GmbH

Steinerne Furt 62 D-86167 Augsburg
 Germany

www.osram.com

Technical support:

Kunden Service Center Germany
 +49 (0)89-6213-60 00

Disclaimer (Engineering Samples)

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