

**OT FIT 65 / 220 – 240 / 350 D CS L****Constant Current LED Power Supply**

200mA - 250mA - 300mA- 350mA

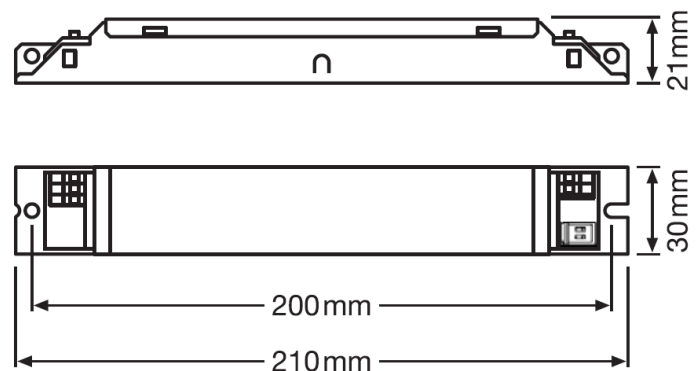
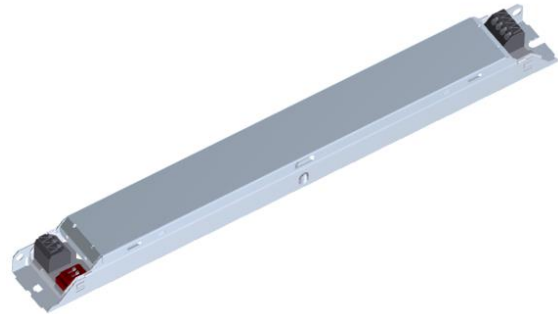
OPTOTRONIC® LED Power Supply is the reliable choice for linear and area fixtures for office - industrial - shop lighting

**Benefits**

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

**Applications**

Linear and area lighting  
Office – industrial - shop



Approval marks (under preparation if not on label)

**Product features**

- Output current: 200/250/300/350mA
- Low THD < 10% @ full load
- Output power : 16 W – 66.5W
- 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 93%
- Fixed output ( no dimming)
- 5 years guarantee

## 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 1hr
	Nominal current	250	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	93	% Full load, 230 V, 50 Hz, typical / see graphs
	Stand-by power	NA	W
	Power loss	5	W at 230V, Input power 71.5 W max. Refer to Table 1 for details
	Protection class	I	
	Inrush current	40	A $t_{width} = 100 \mu s$ typical (measured at 50% $I_{peak}$ )
	Max. units per circuit breaker	B16:13; B10:8; C16:22; B10:14	
	Leakage current	< 0.7	mA Output floating
OUTPUT	Nominal voltage range	70 – 220	$V_{DC}$ @ 200/250mA output current, Refer to Table 1 for details
	Maximum voltage	70 – 190	$V_{DC}$ @ 300/350mA output current, Refer to Table 1 for details
	Nominal current range	200/250/300/350	mA Open circuit
	Current accuracy	+/- 5	% at 220-240Vac nominal voltage
	Current ripple	< 5	% Full load, Ripple / average @ 100 Hz
	Nominal power range	16 – 66.5	W Partial Load. Refer to Table 1 for details
	Maximum power	66.5	W $T_a = 50^\circ C$ , Refer to Table 1 for details
	Galvanic isolation	Non-SELV	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 $t_a$	-25 ... +50	$^\circ C$ Refer to Table 1 for details
	Maximum case temperature $t_c$	75	$^\circ C$ Measured on $t_c$ point indicated of the product label.
	Max. case temp. in fault condition	110	$^\circ C$
	Storage temperature range	-25 ... +80	$^\circ C$ Cool down before operating
	Relative humidity	5 ... 85	% Not condensing
	Surge transient protection	1   2	kV L/N   LN/PE acc. IEC 61547
	Environmental rating	Indoor	
	IP rating	IP 20	
	Mains switching cycles	> 100'000	
	Expected lifetime	50'000	hrs $t_{cmax} = 75^\circ C$ , 10% failure rate

### Protections

#### Over temperature

Automatic, reversible

#### Overload

Automatic, reversible

#### No load

Yes

#### Short-circuit

Automatic, reversible

#### Input overvoltage

Maximum allowed input voltage 300V AC/ 1hr

#### Output overvoltage

Yes, Limitation of Output voltage &lt; 250Vrms


#### Output under voltage

NA

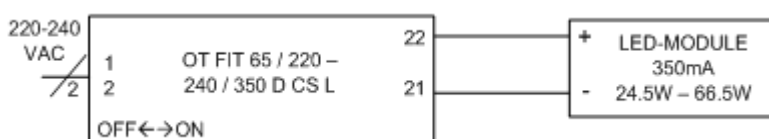
### Wiring Diagram

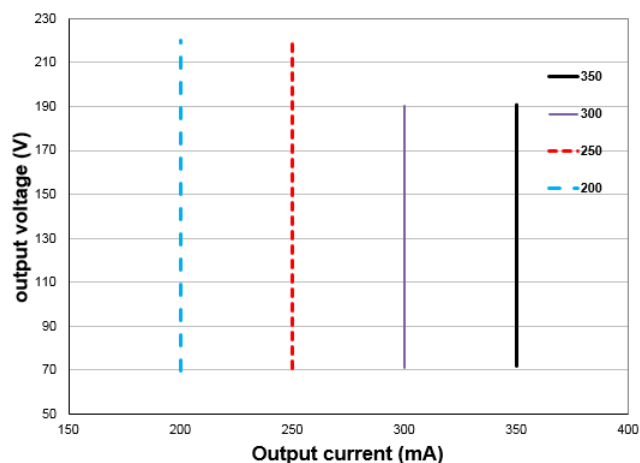
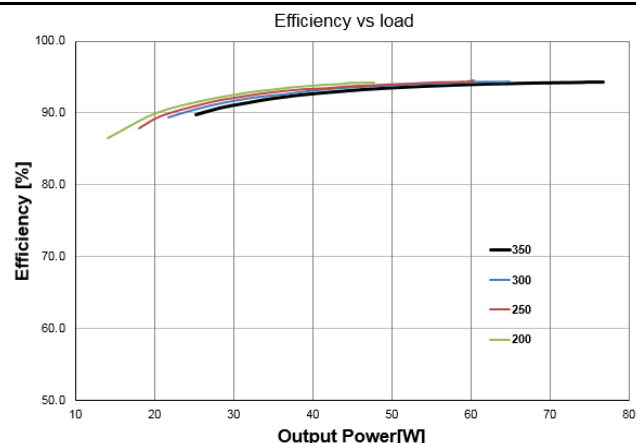
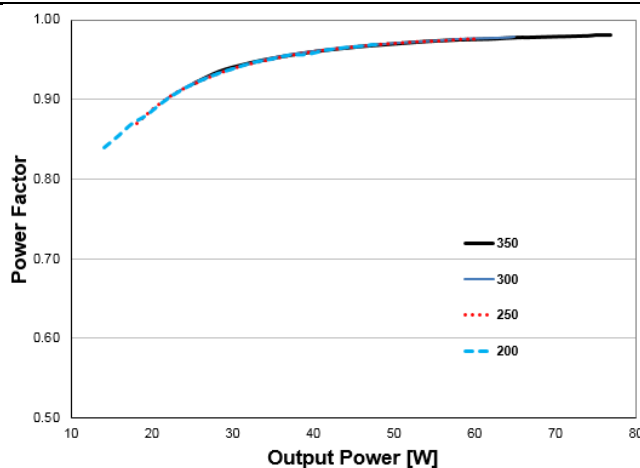
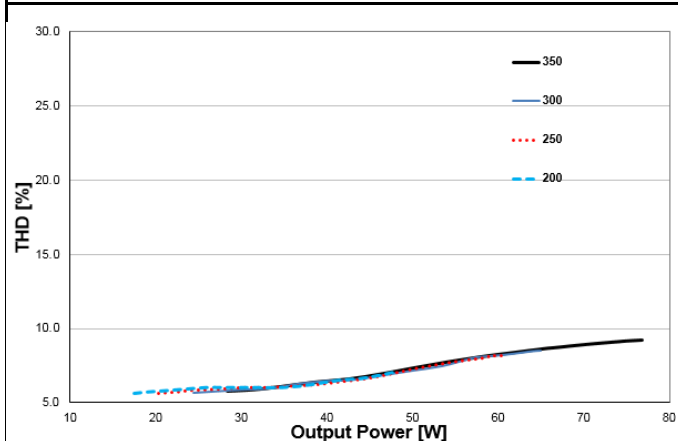
Terminal: Push in terminals  
 Max. cable length : 2 m  
 Geometry (l x b x h): 210 x 30 x 21 mm  
 Weight: 140g

#### 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.



**Typical Operating window****Typical Efficiency over load****Typical Power factor over load****Typical THD over load****Table 1 - Rated output power and current sets**

I <sub>out</sub> (mA)	200	250	300	350
U min [V]	70	70	70	70
U max [V]	220	220	190	190
P min [W]	14	17.5	21	24.5
P max [W]	44	55	57	66.5
T <sub>a</sub> [°C]	50	50	50	50
T <sub>c</sub> [°C]	75	75	75	75
Line Current, nominal@230V mA	250	300	320	350
Max Power Loss@230V [W]	3.3	4.1	4.3	5
Input Power @230V [W]	47.3	59.1	61.3	71.5

Pin1	Pin2	Current
ON	ON	350
ON	OFF	300
OFF	ON	250
OFF	OFF	200

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 65 / 220 – 240 / 350 D CS L	4052899531451	4052899531468	20

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